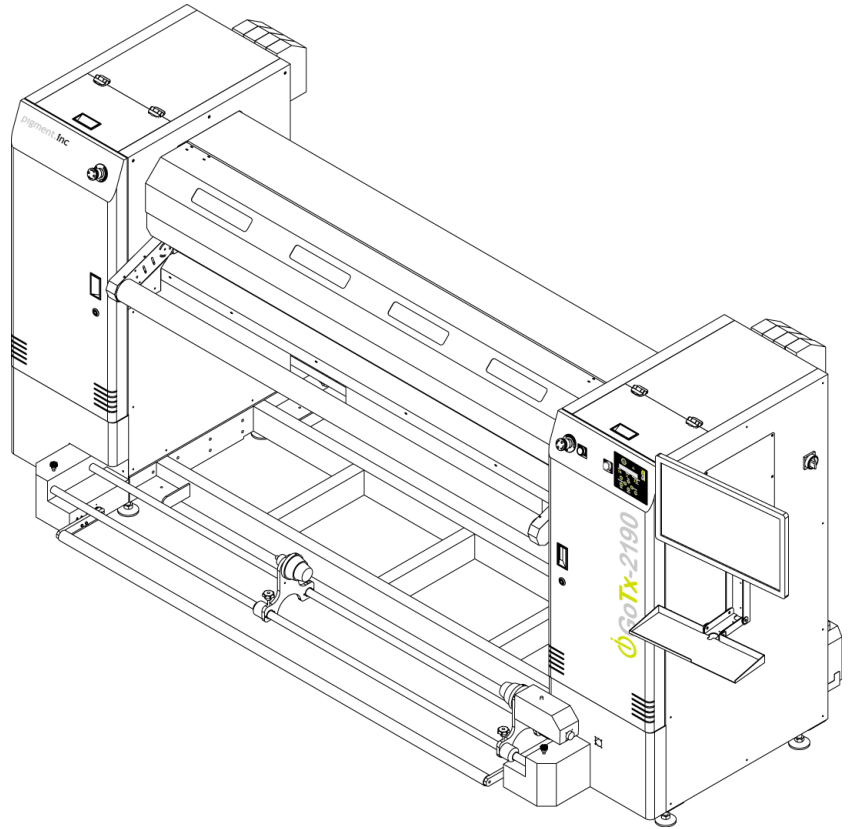




User Guide GoTx-2190 GoTx-2260

Digital Direct to Textile Printers

March 2016

IMPORTANT: Read this manual before using the printer

Important Notice

1. For Users in Europe



The CE marking is a mandatory European marking for certain product groups to indicate conformity with the essential health and safety requirements set out in European Directives.

By affixing the CE marking, the manufacturer, his authorized representative, or the person placing the product on the market or putting it into service ensures that the item meets all the essential requirements of all applicable EU directives and that the applicable conformity assessment procedures have been applied.

2. For Users in the United States

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Warranty Limitations

1. IMPRESSION TECHNOLOGY PTY LTD warrants part repair or replacement as a sole measure only if a failure is found in the system or in the materials and workmanship of the product the seller produced.

However, if the cause of failure is uncertain, action will be decided after due mutual consultation.

Details concerning the warranty are written in the warranty certificate included with the product.

2. The warranty shall not apply to any direct or indirect loss, or compensation for the loss where the product has been subject to misuse, neglect, or improper alternation.

About this Manual

1. Contents of the Manual

There is one manual for this product.

OPERATION MANUAL (THIS MANUAL)

2. Purpose and Target Readers

This manual explains preparations before use and operation procedures for the GoTx 2190/2260 Digital Direct to Fabric printer

This manual is prepared for the owners and operators of this printer.

Before using this printer, fully understand the contents and directions in this manual.

3. Manual Configuration

Section	Description
1 Safety instructions	This chapter explains the installation of this printer, warning terms that operators need to know, caution items and warning labels on the printer main unit.  1 SAFETY INSTRUCTIONS
2 Product overview	This chapter explains the features of the printer along with the names and functions of each part.  2 PRODUCT OVERVIEW
3 Before using	This chapter explains necessary steps before using the printer.  3 INITIAL SETUP AND BASIC OPERATIONS
4 Handling the printer	This chapter explains how to handle the printer.  4 HANDLING THE PRINTER
5 Panel setup menu	The section explains the Setup menu of the printer.  5 PANEL SETUP MENU
6 Maintenance	This chapter describes daily maintenance of the product.  6 MAINTENANCE
7 Troubleshooting	This chapter describes possible problems / errors during the use of this product and countermeasures.  7 TROUBLESHOOTING
8 Appendix	This chapter describes specifications and included components with this printer.  8 APPENDIX

NOTE

Sections Safety Instructions through to Handling the Printer must be read before using the printer.

Read Sections 5 PANEL SETUP MENU setup menu through 8 APPENDIX as required.

4. Manual Notation

This section explains general cautions that must be followed in order to use this printer safely.

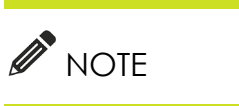
Warning	Meaning
	Used for dangerous situations where death or serious injury may be caused.
	Used for dangerous situations that may cause slight or medium injury, or when all or parts of products are damaged.
	<i>Used for special cautions and for information that needs to be emphasized.</i>
	Indicates useful tips for operating or understanding the printer.
	Indicates “prohibited” operations
	Indicates required operations
	Indicates reference pages within this manual

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1. SAFETY INSTRUCTIONS

This chapter explains the setup of this printer, warning terms that operators need to know, caution items and warning labels on the printer.

WARNING

When installing an operating this printer, be sure to follow the directions and warnings in this manual

1.1 Types and Meanings of Warnings

The warnings in the Operation Manual and the warning labels attached to the printer are categorized into three stages.

Understand the meanings of the following warning terms and follow the contents (instructions) in this manual.

Warning	Meaning
 WARNING	Used for dangerous situations where death or serious injury may be caused.
 CAUTION	Used for dangerous situations that may cause slight or medium injury, or when all or parts of products are damaged.
 NOTE	<i>Used for special cautions and for information that needs to be emphasized.</i>

1.2 Important Safety Instructions

This section explains general cautions that must be followed in order to use this printer safely.

⚠ WARNING

Common to GoTx-2190 / 2260

Do not install this printer in the following places.



It may cause an injury if the printer falls down.

- On a non-stable stand
- Slanting location
- Places where vibration of other machines etc. is transmitted



Do not climb on the printer or place heavy things on top of it.

It may cause an injury if the printer falls down.



Do not block the vent when covering the printer with cloths, such as a blanket or tablecloth.

If the vent is blocked, heat may accumulate inside the printer and may cause a fire.



Do not install the printer where it is humid or dusty.

It could lead to an electric shock or fire.



Do not use a damaged power cord set.

It could lead to an electric shock or fire.



Do not pull out or insert the power plug with a wet hand.

This could lead to an electric shock.

Do not connect an earth wire to the following places:

- Gas pipes

There is a possibility of ignition and explosion.



- Earth wire of telephone cables and lightning rods

A heavy current might flow whenever lightning strikes.

- Water pipe and faucet

The earth might not work if a plastic pipe is connected in the middle of the metal pipe.



Do not insert or drop metal or flammable objects into the printer through openings such as a vent.

It could lead to an electric shock or fire.

⚠ WARNING (Continued)*Common to GoTx-2190 / 2260*

If foreign substances or liquids such as water enter the printer, do not use the printer.



It could lead to an electric shock or fire.

Immediately turn OFF the power switch, disconnect the power plug from the electric socket, and contact your local MUTOH dealer



Wire the various cords as directed in the Operation Manual.

Incorrect wiring could cause a fire.



Be sure to use the specified power cord set.

Using a power cord set other than that specified can cause an electric shock or fire.



Make sure to use only the specified power supply (AC 100 V to 120 V or AC 220 V to 240 V).

If a power supply other than the specified voltage is used, it could cause an electric shock or fire.



Take power for the printer directly from the power socket (AC 100 V – 120 V or AC 220 V - 240 V).

Do not use multiple plugs on the same socket.

This could generate heat and might cause a fire.



Be sure to use a dedicated power socket with an earth wire for the power supply, and connect it to the earth wire.

If the earth wire is not connected, it may cause an electric shock or fire.



You are obligated to properly dispose of waste fluid from the printer in compliance with local Waste Disposal regulations.

Delegate disposal to an industrial waste disposal contractor.

⚠ CAUTION

Common to GoTx-2190 / 2260

Pay attention to the following points when handling the power cord set.



- Do not tamper with the power cord set.
- Do not put heavy objects on the power cord set.
- Do not bend, twist or pull the power cord set by force.
- Do not route the power cord set near heating appliances.

Pay attention to the following points when handling the power plug.
Any mishandling of the power cable could cause a fire.



- Make sure that no foreign substances such as dust are stuck to the power plug.
- Make sure that the power plug is firmly inserted to the edge of the power socket.

When handling Ink cartridges, pay attention so that ink does not come into contact with your eyes or skin.



If ink gets into your eyes or sticks to your skin, immediately wash it off with water.

Failing to do so might cause irritation or light inflammation of eyes.
In case of any abnormality, consult a physician immediately.



Do not disassemble Ink cartridges / Ink cartridge bags.

If disassembled, there is a possibility that ink might come into contact with your eyes or skin.



Do not use volatile solvents such as thinner, benzene, or alcohol.
These solvents may cause damage to the paint.



Make sure that no moisture enters the printer.
The electric circuit inside the printer may be short-circuited.



Never open covers that are attached with screws under any circumstances.
This may cause an electric shock or a malfunction.

⚠ CAUTION (Continued)

Common to GoTx-2190 / 2260

When cleaning the Cleaning wiper (Wiper Blade),

- Do not touch Cleaning wiper and Head cap unit.

If these parts are contaminated with oil from your skin, head cleaning may not be performed correctly.



- Make sure to use a Cleaning stick to wipe around the Print head (not the face of the printer head).

A contaminated Cleaning stick may cause the Print head to clog.

- Do not reuse the Cleaning stick.

The attached ink, dust, etc may damage the Print head.

When cleaning around Print head,

- Never touch the nozzles of Print head.

Doing so may damage Print head.



- Do not touch the tip of Cleaning stick.

Print head may be damaged because of oil from your hands.

- Never put water, etc on the tip of Cleaning stick.

Doing so may damage Print head.

- Do not reuse Cleaning stick.

The attached dust, etc may damage Print head.



Do not slant the printer, prop it against a wall or turn it upside down.

The ink inside the printer may leak.

Moreover, normal operation after shifting (to these positions) cannot be guaranteed.



Unpacking or moving this printer must be done by the following number of people, and will require a forklift to move it from the transportation crate.

- More than 2 people



When taking the printer out of the transportation crate, make sure to remove any plastic coverings, and packaging braces.

Attempting to move the printer with plastic coverings on increases the risk of slippage, and damage to the printer.

⚠ CAUTION (Continued)

Common to GoTx-2190 / 2260



When the printer is not used for a long period of time, be sure to remove the power plug from the power socket for safety.

Make sure to connect an earth wire to the earth connection that meets the following standards.



- Earth terminal of power socket
- An earth wire with a copper plate which is buried at 650 mm or more in the ground.



Before operation, make sure to read the Safety Data Sheet (SDS) of any inks, cleaning solutions etc.



Before cleaning the areas other than Wiper and circumference of Print head, be sure to turn OFF the power and disconnect the power plug.



When moving the printer, make sure to maintain it in a horizontal state.

1.3 Warning Labels

This section explains the handling of warning labels, their pasting locations and types.

Warning labels are attached to parts of the printer that need special caution.

Understand the locations and the descriptions of the danger associated with each label before operating the printer.

1.3.1 Handling the Warning Labels

When handling the warning labels, observe the following points.

NOTE

- *Check whether all the warning labels can be read.*

If the letters or illustrations on the label are not clear, remove any dirt from the label.

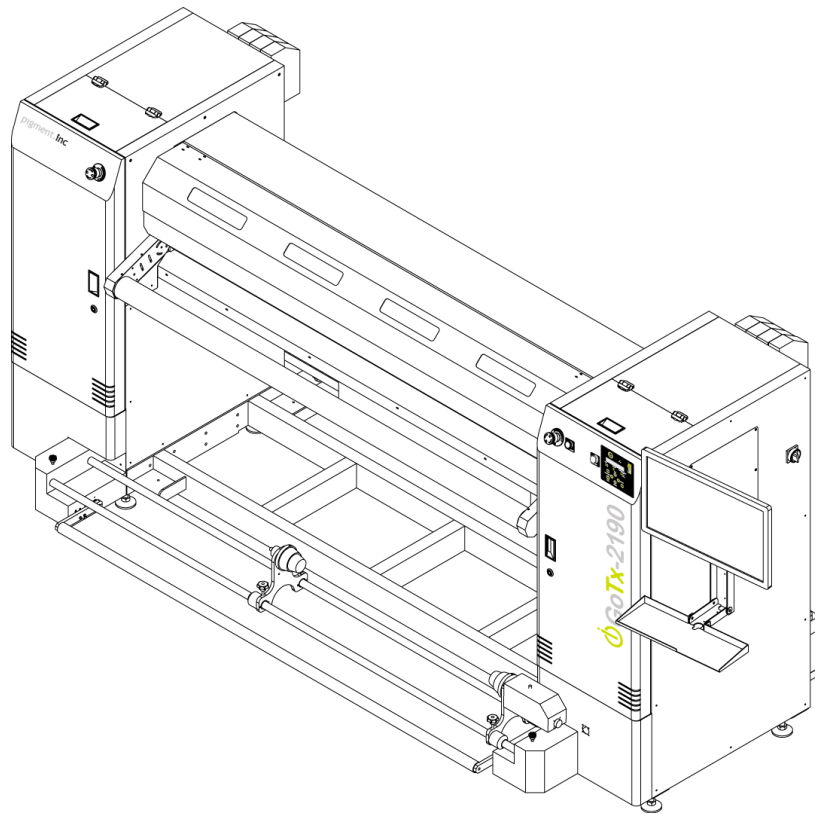
- *Use cloth, water and mild detergent for removing dirt from the warning labels.*

Avoid organic solvents and gasoline.

- *Replace the labels if they are damaged, lost or illegible.*

If the warning labels have to be replaced, contact your local GoTx dealer.

1.3.2 Location and Type of Warning Labels



2. PRODUCT OVERVIEW

This Chapter explains the features of this printer along with the names and functions of each part.

2.1 Features

This section explains the main features of the printer.

1) High-speed output

With dual staggered latest generation Epson DX7 print heads, high-speed production output from 32 – 95spm/h is realised.

2) Wide variety of compatible media

Designed for uninterrupted mass decoration to a wide variety of textiles with either pigment ink, reactive or sublimation dyes.

3) Vibrant color reproduction

GoTx inks are bespoke and designed for printing any fabric in either synthetic or natural fibers. The inks have been formulated specifically for maximum colour gamuts to natural fibers like cotton, silks and wool with our P60i pigment and P50i reactive range. The P40i sublimation ink for polyester and spandex is crisp and sharp with the addition of chromatic dyes that deliver fantastic colours – all the inks deliver deep black, brilliant green and even difficult violet colour ranges are achieved.

Configurations available are either dual CMYK for higher speed production or for an increased colour gamut range with 8 colours by adding (for example) red, orange, violet and green.

4) Advanced media feeding system

The media feeding system is a patented process that delivers minimal fabric shift and maximum feed accuracy across the roll without the need of sticky blanket systems.

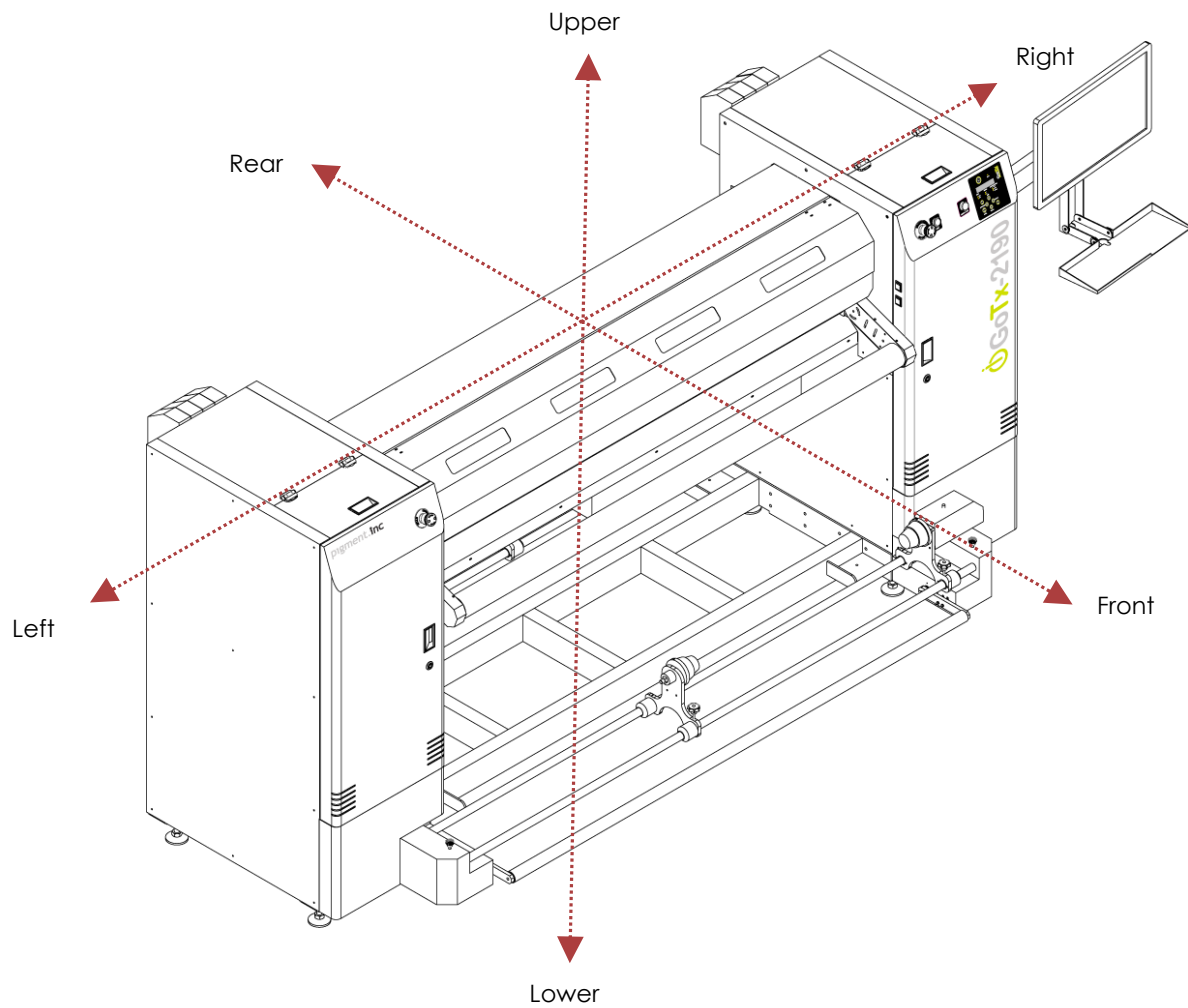
5) Optional pre- and post-treat equipment

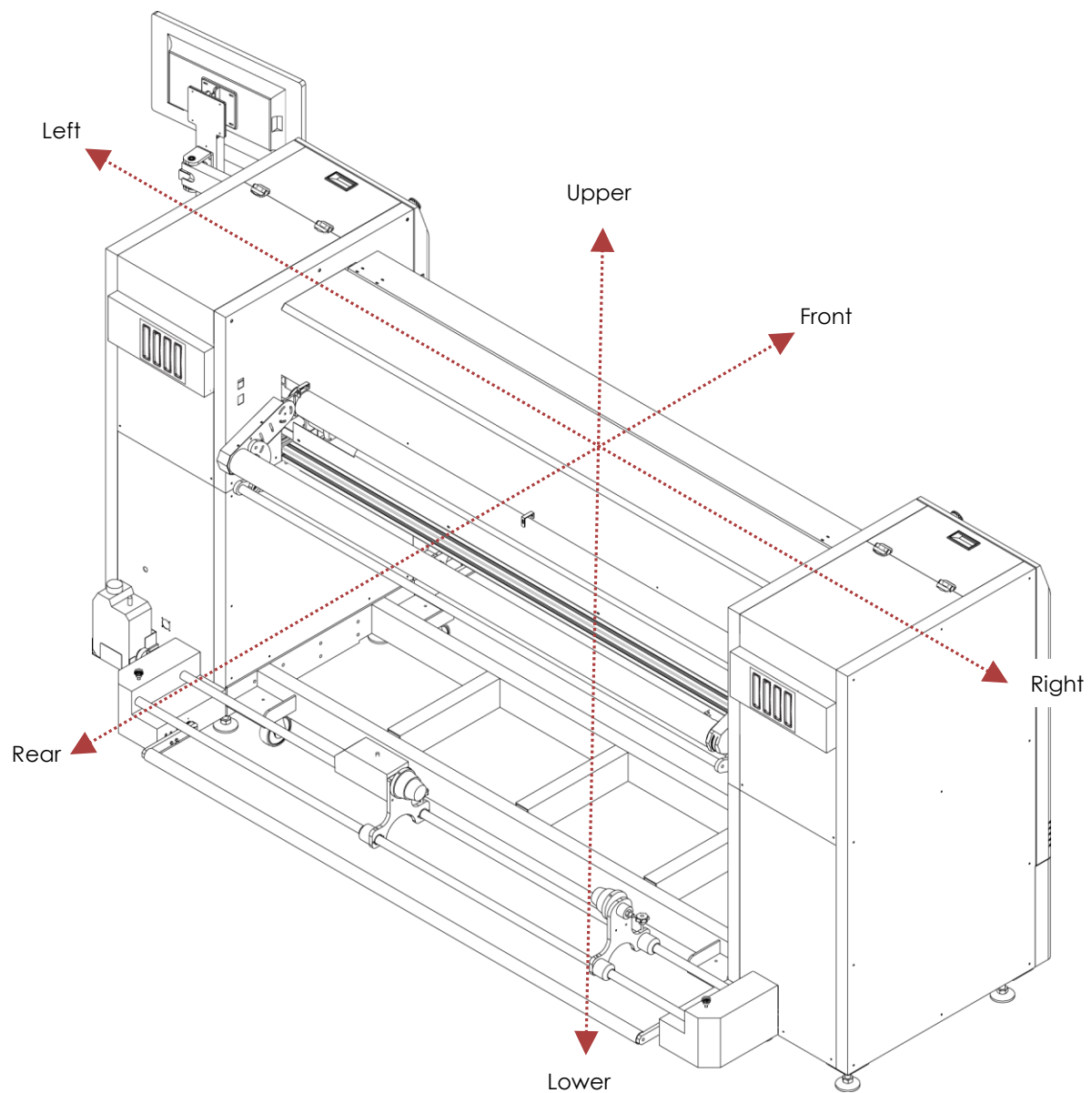
The GoTx system is available with inline or offline horizontal fixation equipment and offline pre-treat station to complete any process requirement.

2.2 Part Names and Functions

Part names and functions are explained in this section.

For directions described in this document, refer to the following orientation figures:





2.2 Part Names and Functions

2.2.1 Major Part Groups

Covers have been “removed” in this diagram to illustrate the major part groupings

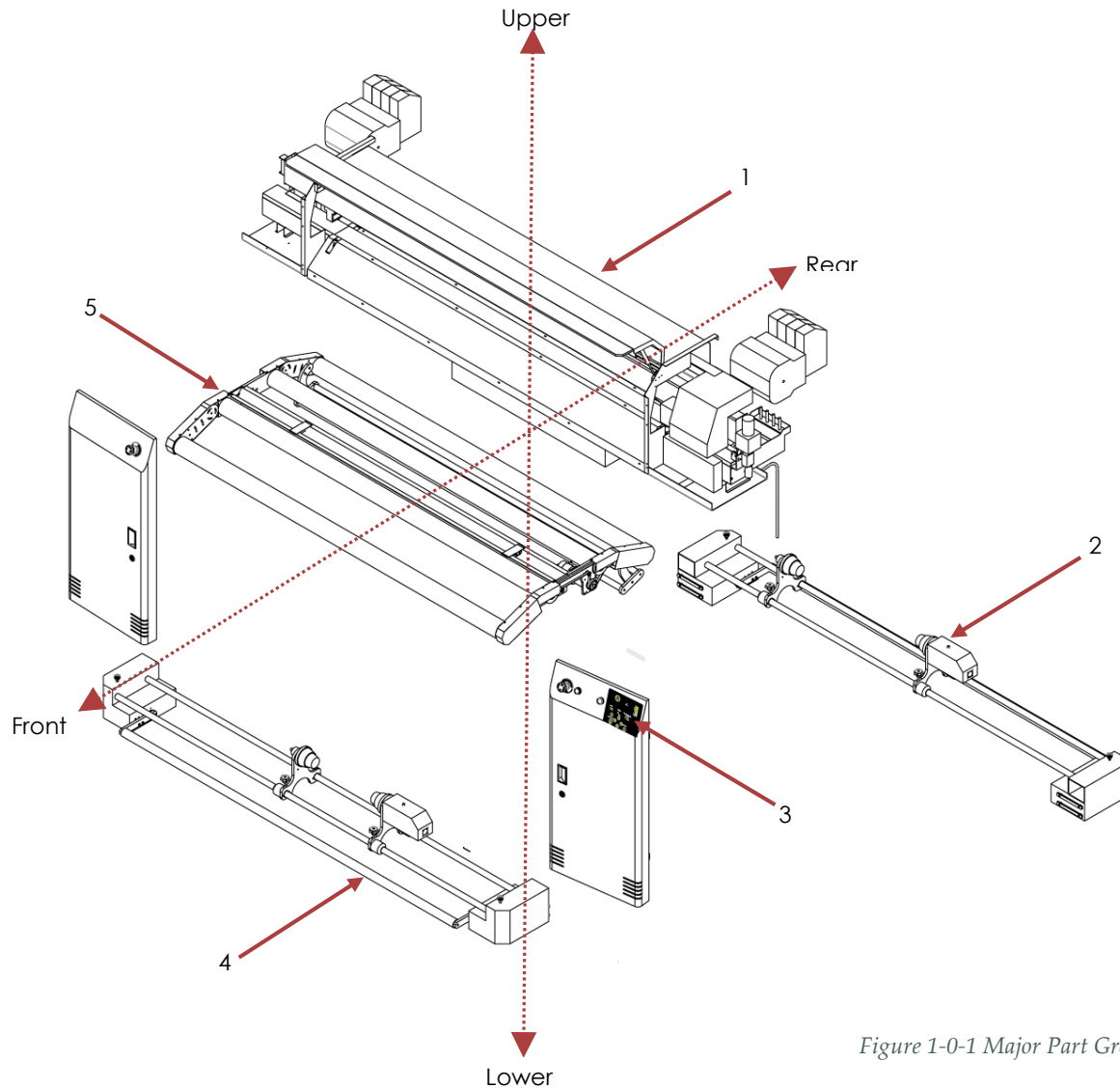


Figure 1-0-1 Major Part Groups

MAJOR PART GROUPS	
Ref.	Name
1	Printer Unit
2	Feed Assembly
3	Operation Panel (considered part of Printer Unit)
4	Take-up Assembly
5	Roto-Trak Roller Assembly

2.2.2 Front Section

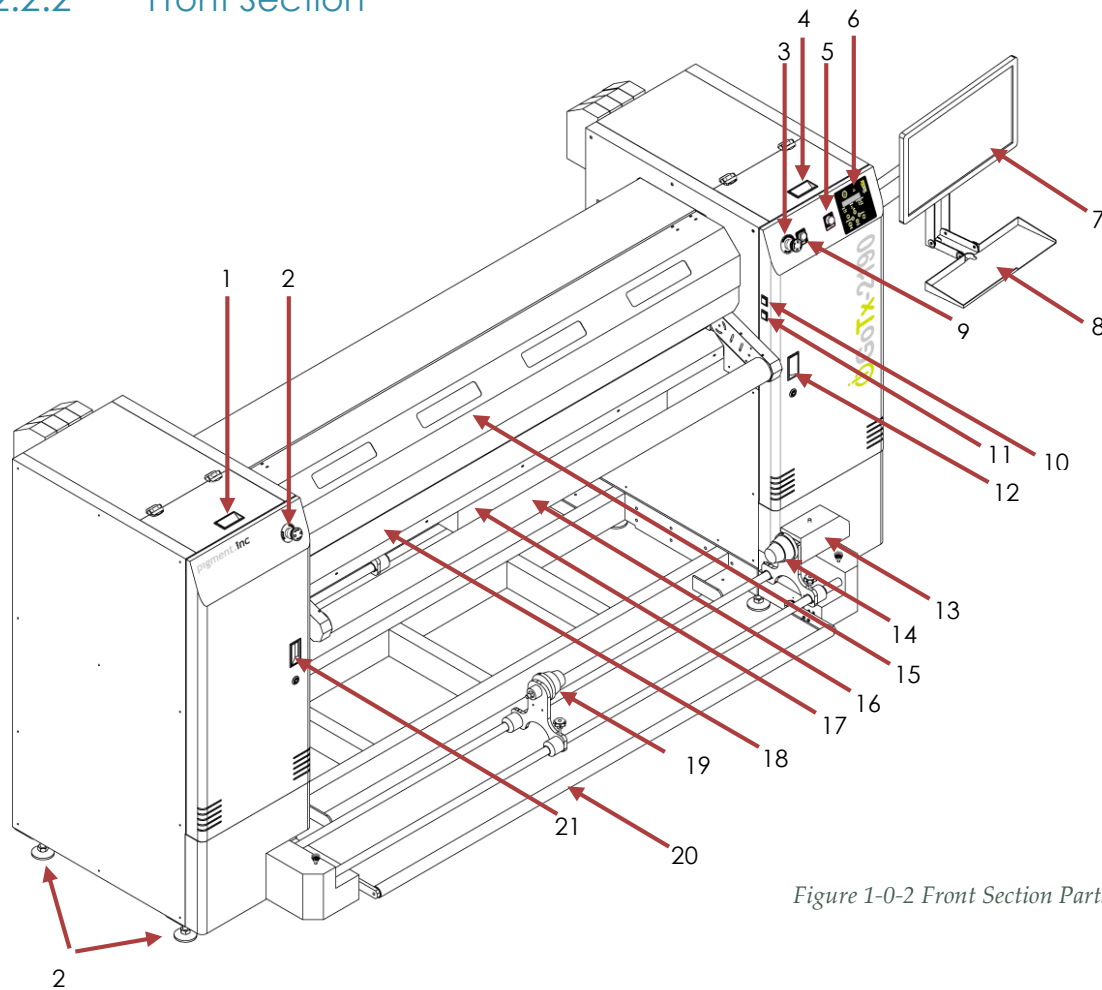


Figure 1-0-2 Front Section Parts

FRONT SECTION PARTS		
Ref.	Name	Function
1	Cleaning Station Inspection Hatch	The Cleaning Station Inspection Hatch allows for visual inspection of the CR maintenance Cleaning Station
2 AND 3	Emergency Stop	This button removes mains power from the printer in an emergency. Press firmly to engage, twist clockwise to disengage
4	Home Position Inspection Hatch	The Home Position Inspection Hatch allows for visual inspection of the Print Head when in home position, and Capping Station when the Print Head is not at home position.
5	Media Load Indicator / Button	Indicates if printer system is in a "loaded" state, button press sets system to loaded or unloaded state.
6	Printer Operation Panel	Used to set operational conditions, display the status of the printer, and set other functions.
7	Computer Monitor	

2.2 Part Names and Functions

FRONT SECTION PARTS		
Ref.	Name	Function
8	Keyboard and Mouse Station	
9	Mains Indicator	When illuminated indicates mains power supply to the printer.
10	Media Jog Switch	Manual control switch for running the media feed (Roto-Trak) for loading media.
11	Take-up Motor Run Switch	3 position, Media Take-up unit operation switch. Forward / Stop / Reverse.
12	Maintenance Compartment	The cabinet door has a key latch and allows access to the Print Head assembly maintenance station, secondary drive systems and RIP Computer.
13	Take-up Motor	Motor that drives the media Take-up core spindle
14	Take-up drive Core Chuck	Take-up Core chuck. Adjustable position to allow for different media widths and set the position of the right print edge.
15	Main Cover	Main cover allows access to Roto-Trak drive system for loading media. Encases ink mist fans, inspection lighting and is the main safety cover during printing.
16	Roto-Trak trailing roller	The trailing roller of the Roto-Trak system which tensions and stabilizes the media exiting the print area.
17	Main Electronics Housing	Casing for the print engine electronics.
18	Secondary Media Drive Roller	The second of the Roto-Trak synchronized drive rollers.
19	Take-up Idle Core Chuck	Free spinning Take-up idle Core Chuck. Adjustable position to allow for different media widths.
20	Rewind Dancer Bar	The Dancer Bar is a freefloating bar with encoder sensing designed to control the Take-up Motor to maintain a constant length of media between the Roto-Trak drive and the media Take-up.
21	Cleaning Station Compartment	This cabinet door has a key latch and allows access to the Print Head assembly for executing maintenance procedures and a large storage space for cleaning supplies, extra inks and other small consumable items.
22	Levelling Pads	Adjustable Pads / Feet to level and stabilize the printer on uneven floors.

2.2.3 Right Side Section Parts

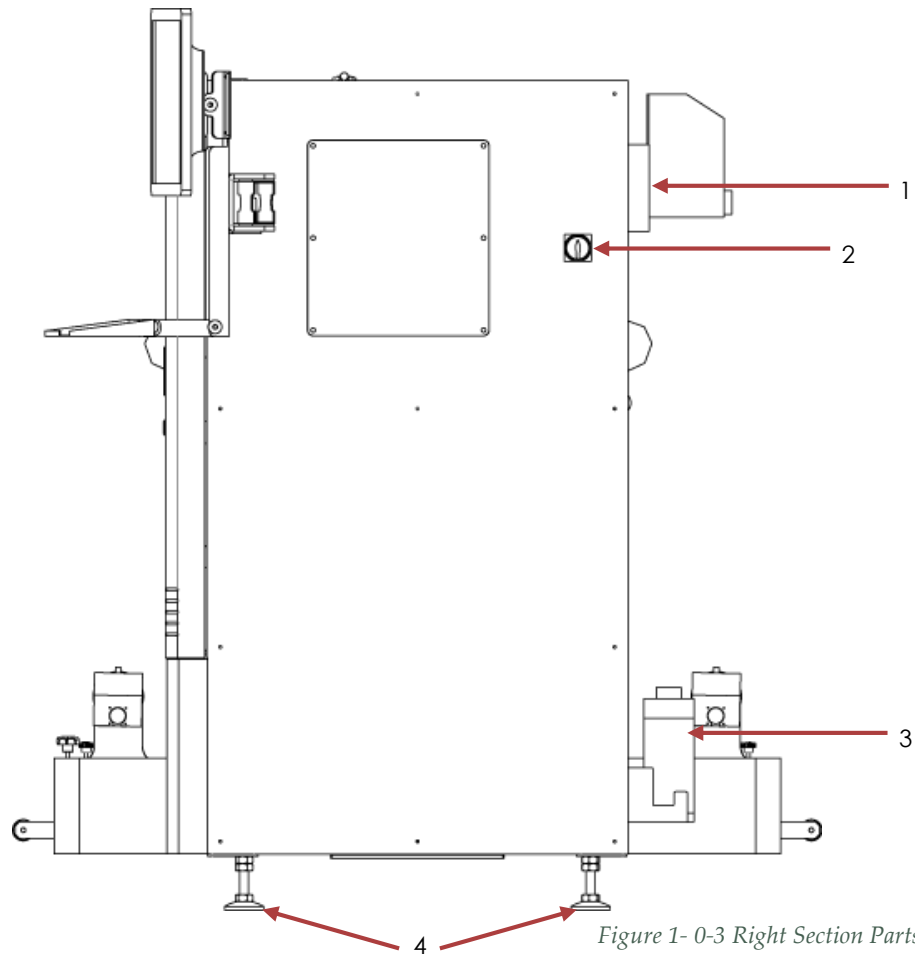


Figure 1- 0-3 Right Section Parts

RIGHT SECTION PARTS		
Ref.	Name	Function
1	Right Side Cartridge Bay	Ink Cartridge Slots 1 - 4
2	Mains Power Switch	Mains Power Switch activates all secondary systems including Media Feed and Take-up systems, Roto-Trak drive jog functions and supplies power to the Main Print Controller. NB. Will not cut power to the RIP Computer.
3	Waste Fluid Tank	Container collects waste liquids from the Print Head maintenance station.
4	Levelling Pads	Adjustable Pads / Feet to level and stabilize the printer on uneven floors.

2.2 Part Names and Functions

2.2.4 Rear Section Parts

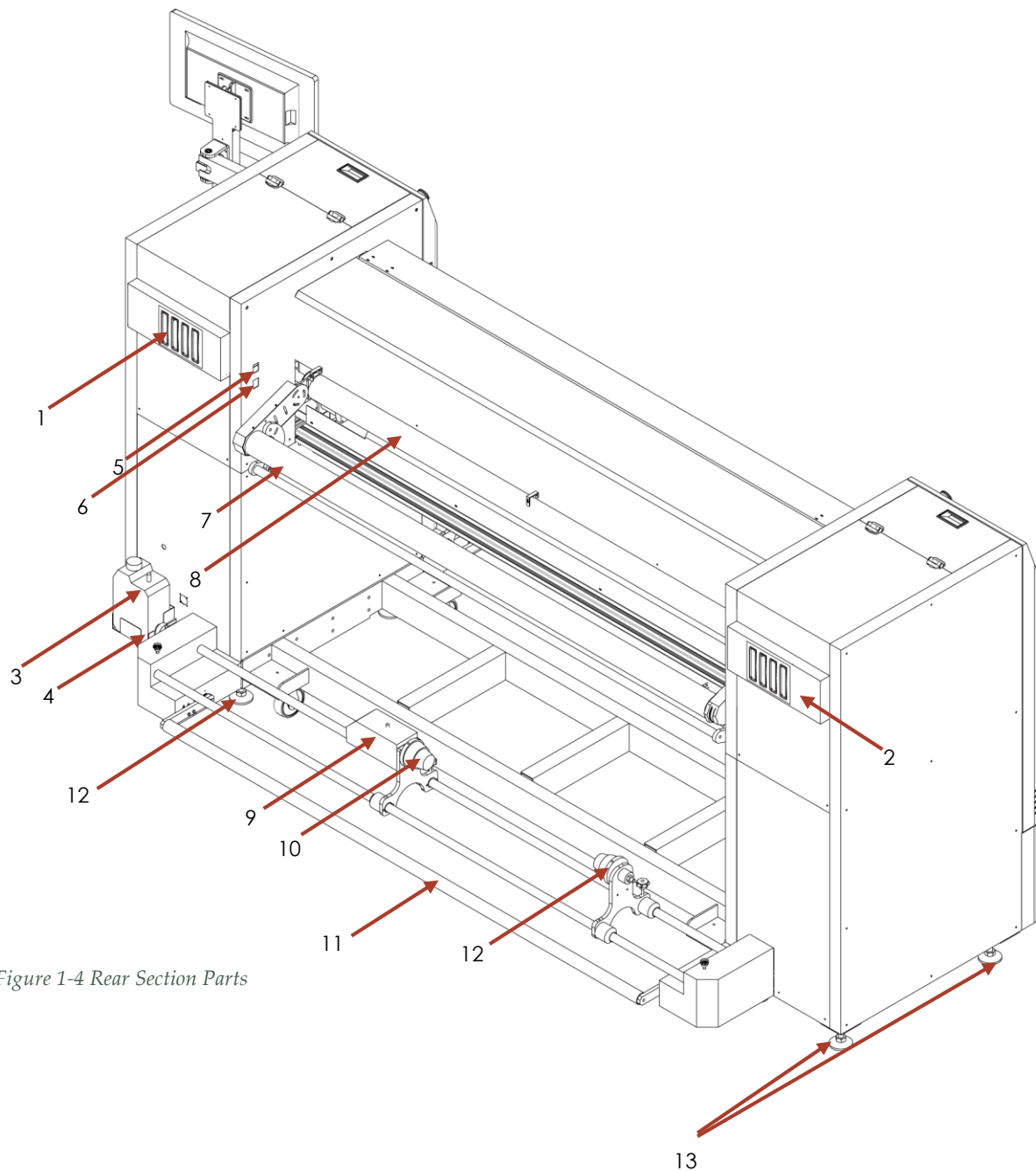


Figure 1-4 Rear Section Parts

REAR SECTION PARTS		
Ref.	Name	Function
1	Left Side Cartridge Bay	Ink Cartridge Slots 1 – 4 (left side when viewed from Rear)
2	Right Side Cartridge Bay	Ink Cartridge Slots 5 – 8 (right side when viewed from Rear)
3	Waste Fluid Tank	Container collects waste liquids from the Print Head maintenance station.
4	Waste Fluid Valve	Open/close when discharging the waste fluid from Waste fluid tank. It is normally closed.
5	Media Jog Switch	Manual control switch for running the media feed (Roto-Trak) for loading media.
6	Feed Motor Run Switch	3 position, Media Take-up unit operation switch. Forward / Stop / Reverse.
7	Roto-Trak Feed Roller	Leading roller of the Roto-Trak system which tensions and stabilizes the media entering the print area.
8	Primary Roto-Trak Drive Roller (Feed)	The first of the Roto-Trak synchronized drive rollers.
9	Feed Motor	Motor that drives the media Feed core spindle
10	Feed Drive Core Chuck	Feed Core Chuck. Adjustable position to allow for different media widths and to set the position of the right edge.
11	Feed Dancer Bar	The Dancer Bar is a free floating bar with an encoder sensor designed to control the Feed Motor to maintain a constant length of media between the Roto-Trak drive and the media Take-up
12	Feed Idle Core Chuck	Free spinning Feed idle Core Chuck. Adjustable position to allow for different media widths.
13	Levelling Pads	Adjustable Pads / Feet to level the printer on uneven and/or sloping floors.

2.2.5 Operation Panel

Used to set the operating conditions, to display the status of the printer, and to set various functions.

Explains names of each operation key and status display along with the functions.

i TIP

Refer to the following for details regarding the operation method of the Operation panel.

- When setting the menu from Operation panel: 4.3 Menu Setup on Operation Panel
- When performing various operations in Operation panel: 4.4 Operating from the Operation panel

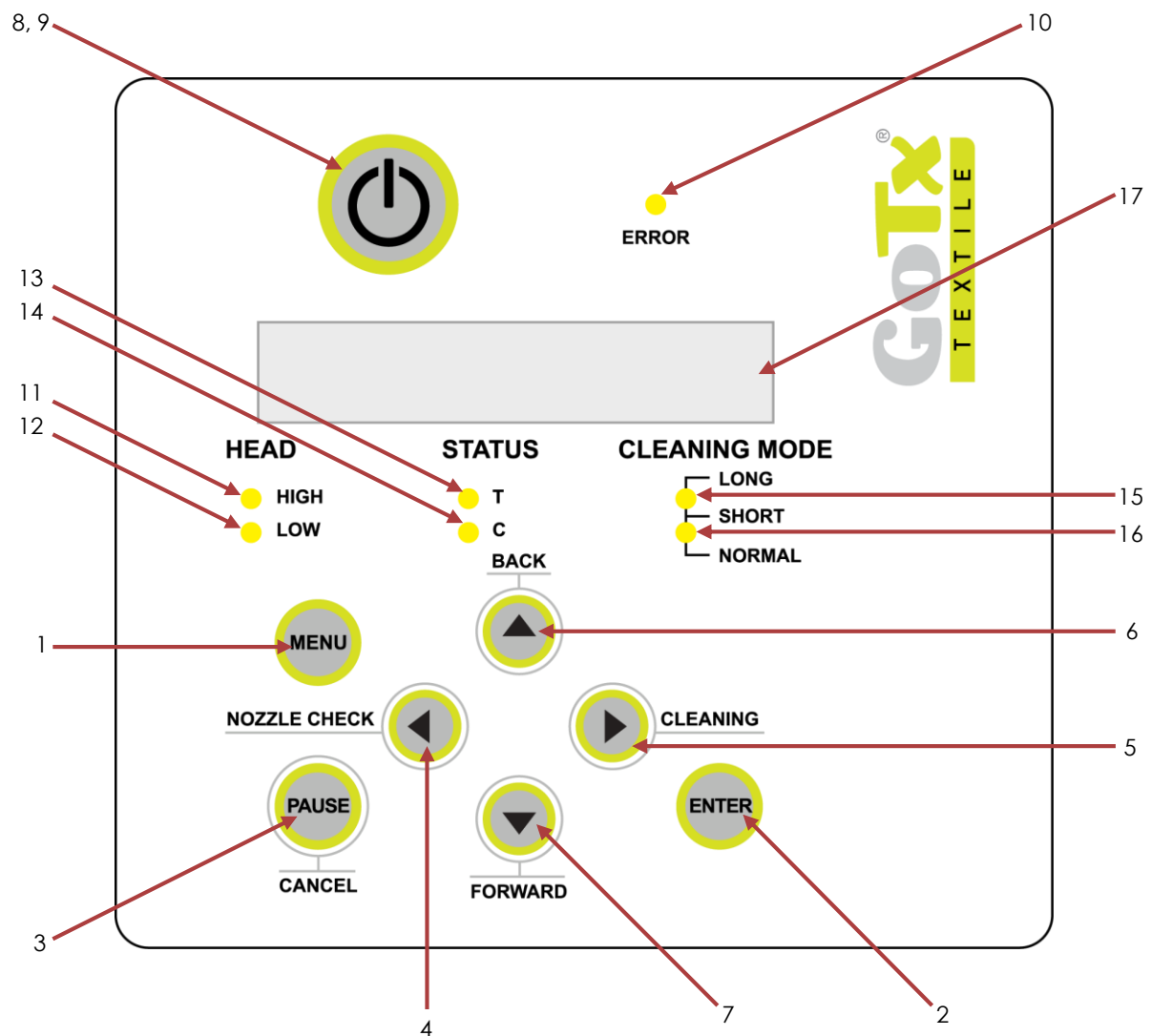


Figure 1-0-5 Operation Panel

1) Operation Keys



NOTE

• Operation Keys are assigned with different functions and names depending on the printer status (ie. whether printer status is in Normal or Setup menu display mode).

For details about the printer status, refer to 2.3 Printer Status Outline.

OPERATION KEYS			
Ref.	Name	Action when pressed in Normal display mode	Action when pressed in Setup menu display
1	[Menu] key 	Shifts to the Setup menu	Shifts from Setup menu display to Normal
2	[Enter] key 	Restarts printing if printing has been paused.	• Selects the menu item and shifts to the next hierarchy • The selected setting is saved
3	[Pause] key 	Pauses printing	--
	[Cancel] key 	• When printing: If pressed for more than two seconds, stops printing and deletes the remaining data for that print job. • When receiving or analysing data: When pressed for more than two seconds, deletes the data already received / analysed.	• Returns to the previous menu hierarchy. Changes made in the settings are discarded • Shifts from Setup menu display to Normal
4	[<] key 	--	--
	[Nozzle Check] key 	Press and hold this key for two seconds more to perform Nozzle Check printing.	--

OPERATION KEYS			
Ref.	Name	Action when pressed in Normal display mode	Action when pressed in Setup menu display
5	[>] key 	• Sets Cleaning Mode • The lamp indicator of the Cleaning Mode that you set lights up (green)	Shifts the menu to the lower hierarchy
	[Cleaning] key 	When pressed for more than two seconds, cleaning starts	--
6	[Up/Back] key 	The media is fed in the reverse direction	• Scrolls the displayed menu upward • Scrolls the setting value upward • The numeric value is increased during numerical input
7	[Down/Forward] key 	Media is fed in the forward direction	• Scrolls the displayed menu downward • Scrolls the setting value downward • The numeric value is decreased during numerical input
8	[Power] key 	Turns the printer unit ON / OFF	Turns the printer unit ON / OFF

2) Display Section

DISPLAY SECTION				
Ref.	Name	Color	Status	Description
9	Power Lamp	Blue	Lamp ON	Power to printer unit is ON
			Lamp blinks	• Receiving and analysing the data • Performing media initial operation
			Lamp OFF	Power to the printer unit is OFF
10	Error lamp	Orange	Lamp ON	An error has occurred The error message is displayed on the LCD
			Lamp blinks	Ink level is low
			Lamp OFF	There is no error
11	High lamp	Green	Lamp ON	The head height is set to High. If the Low lamp is also ON, the head height is set to Mid.
			Lamp OFF	The head height is set to Low.
12	Low lamp	Green	Lamp ON	The head height is set to Low. If the High lamp is also ON, the head height is set to Mid.
			Lamp OFF	The head height is set to High.
13	T (Take Up) lamp	Green	Lamp ON	Media mode is set to "Take up". This is the required setting for correct operation of the GoTx 2190/2260.
			Lamp OFF	Incorrect Media mode is set. Refer 5.1.6 Output Mode menu
14	C (Cut) lamp	Green	Lamp ON	Incorrect Media mode is set. Refer 5.1.6 Output Mode menu
			Lamp OFF	Media mode is set to "Off" or "Take-up"
15	Long Lamp	Green	Lamp ON	• Cleaning mode is set to Long. • When the Normal lamp is also on, Cleaning mode is set to Short.
			Lamp OFF	Cleaning Mode is set to Normal.

DISPLAY SECTION				
Ref.	Name	Color	Status	Description
16	Normal lamp	Green	Lamp ON	• Cleaning mode is set to Normal. • When the Long lamp is also on, Cleaning mode is set to Short.
			Lamp OFF	Cleaning mode is set to Long.
17	LCD Display Section	--	--	Displays the operation status of the printer or an error message.

**TIP**

When an error requiring a restart (fatal malfunction of the printer) occurs, all lamps will blink in alarm.

 7.2.3 Error requiring restart

If the error persists even when the malfunction is fixed, contact your GoTx dealer.

2.3 Printer Status Outline

This section explains the printer status.

2.3.1 Status

1) Normal

Printing is possible if the media is loaded.

Various printing functions can be performed on the Operation panel.

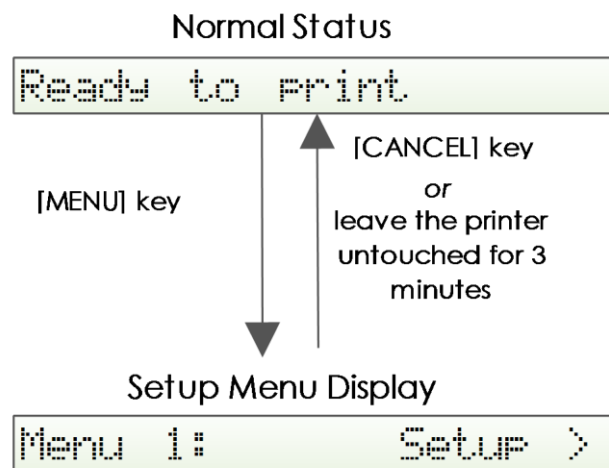
2) Setup menu display

Various settings for printing can be made from the Operation panel

Various printing functions can be performed on the Operation panel.

Display contents in the LCD monitor of the Operation panel are as follows:

3) Panel display



2.3.2 Changing printer status

Follow the procedure below to change the printer status.

1) Normal → Setup menu display

Press the [Menu] key on Operation panel when the printer is set to Normal.

- "Menu 1: Setup>" is displayed on Operation panel and the display shifts to the Setup menu.



NOTE

- For details regarding the Setup menu, refer to 4.3 Menu Setup on Operation Panel.

2) Setup menu display → Normal

When the printer is at Setup menu display, perform either of the following operations to shift Operation panel to the Normal display.

- Press the [Cancel] or [Menu] key on Operation panel.
- In the Setup menu, leave the keys untouched for three minutes.

NOTE

- *For details on Status messages, refer to 7.2.1 Status Messages.*
-

3. INITIAL SETUP AND BASIC OPERATIONS

3.1 Introduction

This chapter provides information on the initial setup and basic operation of the GoTx 2190/2260.

It is assumed that your authorised GoTx dealer has performed the initial installation & set-up procedure. Damage caused by incorrect setup will not be warrantied.

Initial setup should be undertaken in the following order:

- Uncrate the printer & remove packaging materials
- Position & level the printer
- Connect power to the printer
- Fill ink
- Load Media
- Test prints
- Print quality adjustments
- Connect PC to the printer

3.2 Before you Get Started

3.2.1 Commit to Maintenance

Your GoTx 2190 / 2260 represents a significant investment of both time & money. As with any piece of production equipment, maintenance is key to the ongoing productivity of the GoTx 2190 / 2260.

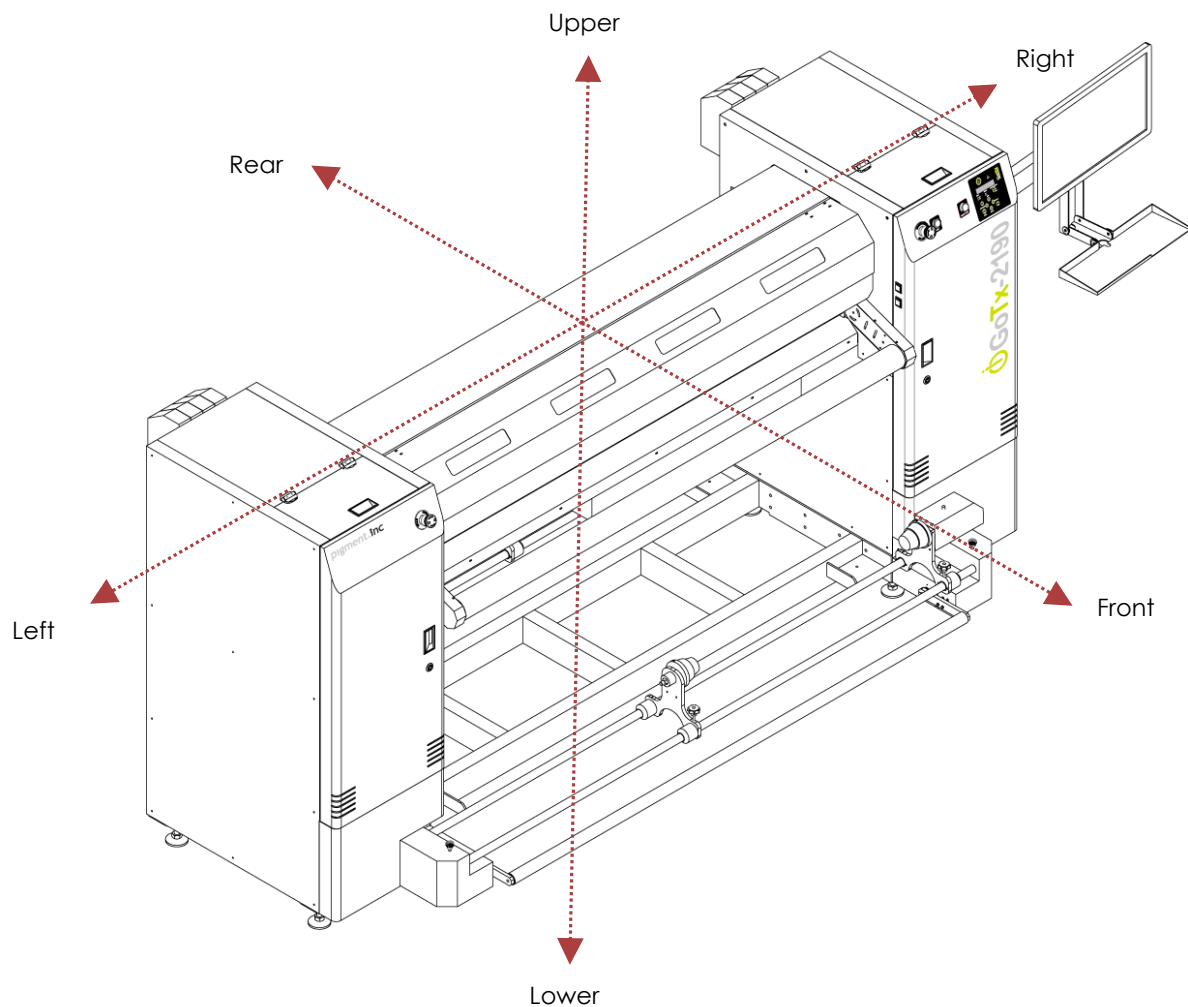
Please refer to the sections within this User's Guide on Preventative Maintenance for further information.

Please also commit to professional bi-annual service of your machine by a qualified and authorised GoTx technician.

3.2.2 Get to Know your GoTx

The GoTx is quite straight-forward to operate and so you should be producing superb quality prints in no time. Even so, allow plenty of time to become familiar with the GoTx and to learn not only the basics, but also the variables that can impact on your finished product.

These variables include image types, fabric types, and operating environment. Thoroughly read this manual, and ask questions of your authorised GoTx Dealer or Technician to help increase your familiarity with the machine and the printing processes.



i TIP

- Refer to the following for details the machine part names & functions.

 2.2 Part Names and Functions

3.3 Installing the GoTx 2190 / 2260



NOTE

- *Your authorised GoTx dealer is responsible for the unpacking and setup of your GoTx 2190/2260. Information is provided here for reference only. Damage caused during unpacking or setup by non-authorised personnel is not covered by warranty.*
-

3.3.1 Choosing a place for the Printer



WARNING

- **Do not place the printer in a location under the following conditions. Doing so may cause the product to fall over, become damaged, or cause serious injury:**
 - Unstable or shaky surfaces.
 - Slippery, slanted or angled surfaces.
 - Locations that are subject to vibration from other products.
 - **Do not stand, or lean, on the printer or place any objects on it. Doing so may cause it to fall over, become damaged, or cause injury.**
 - **Do not cover any ventilation holes or slots of the printer with anything at all. Doing so could prevent the printer from ventilating and cause fire.**
 - **Keep the printer away from damp, humid or dusty areas. Failure to do so may result in electrical shock or fire.**
-

3.3.2 Installation Environment Requirements

Choose a place for printer installation following the requirements of the tables below.

GoTx 2190			
Installation space		10m ² or more, 4 metres or more is required for the width	
Floor loading capability		Up to 3000Pa (450kgf/m ²) or more	
Electrical specifications	Voltage	AC 100 V - 120 V $\pm$ 10% or AC 200 V - 240 V $\pm$ 10% (auto-switching)	
	Frequency	50/60Hz $\pm$ 1Hz	
	Capacity	Up to 4A or more	
Environmental conditions		Temperature	Humidity
	Operation environment	20° C (68F) to 32° C (90F)	40% to 60%, with no condensation
	Printing accuracy guarantee range	22° C (72F) to 30° C (86F)	40% to 60%, with no condensation
	Rate of change	2° C per hour or less	5% per hour or less

GoTx 2260			
Installation space		12.25m ² or more, 4.6 metres or more is required for the width	
Floor loading capability		Up to 3000Pa (450kgf/m ²) or more	
Electrical specifications	Voltage	AC 100 V - 120 V $\pm$ 10% or AC 200 V - 240 V $\pm$ 10% (auto-switching)	
	Frequency	50/60Hz $\pm$ 1Hz	
	Capacity	Up to 4A or more	
Environmental conditions		Temperature	Humidity
	Operation environment	20° C (68F) to 32° C (90F)	40% to 60%, with no condensation
	Printing accuracy guarantee range	22° C (72F) to 30° C (86F)	40% to 60%, with no condensation
	Rate of change	2° C per hour or less	5% per hour or less



NOTE

- Avoid the following temperature and humidity conditions. Otherwise, printed images may appear differently from what you expect and machine operation may be erratic or incorrect.
 - Places where sudden changes in temperature or humidity are expected, even if the condition is within the range specified within this document.
 - Places where direct sunlight or excessive lighting conditions are expected
 - Places where air conditioners blow directly.

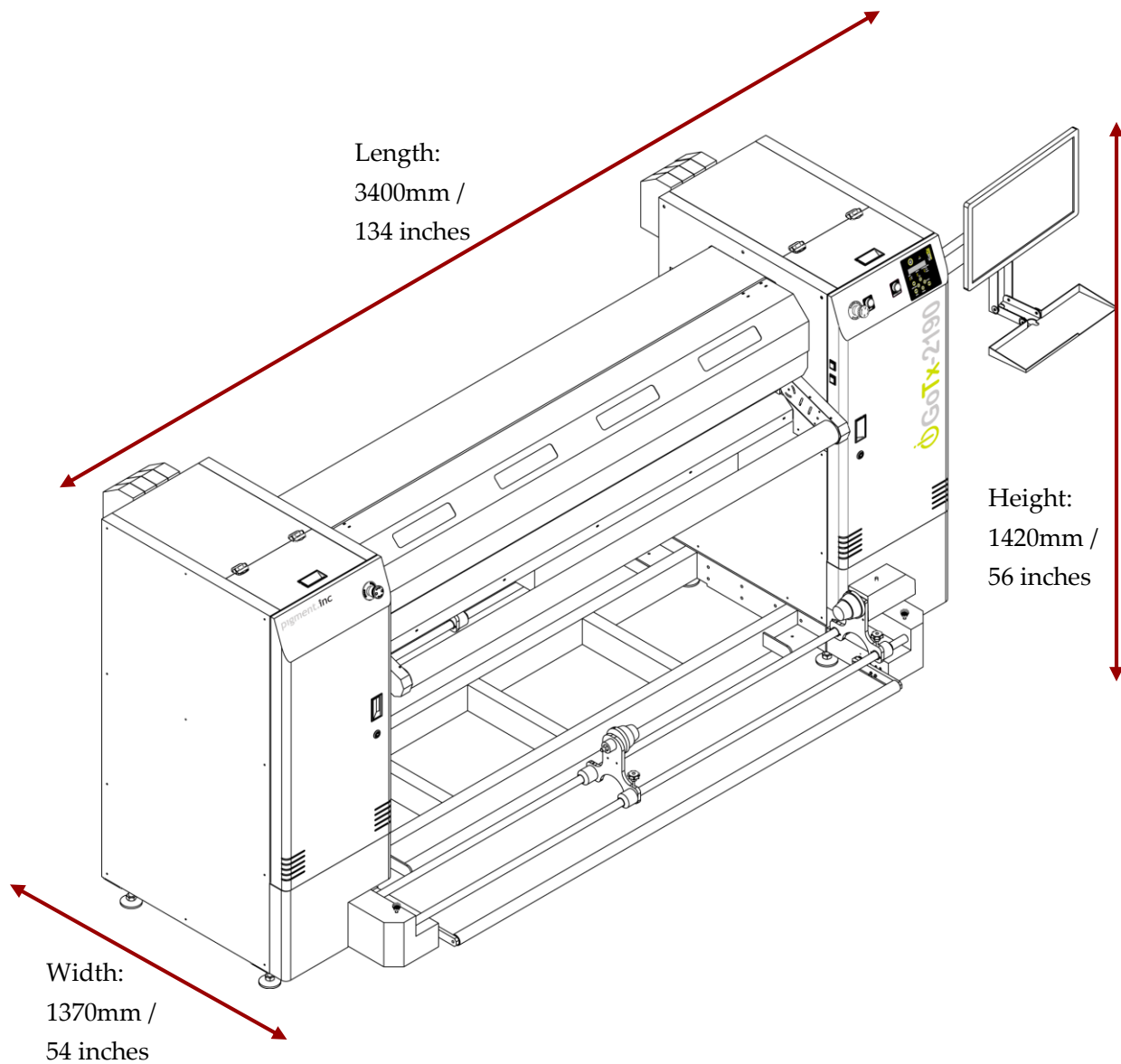
Pigment Inc / GoTx strongly recommend that the printer should be installed where air conditioning airflow, humidity and temperature can be adjusted easily.

3.3.3 Required Space

Install the printer on a flat surface that meets the following conditions:

- The load bearing surface will fully support the full weight of the printer plus 100%.
- The load bearing surface has an angular difference from level by no more than 2 degrees.
- The load bearing surface is textured and firm enough to be considered a non-slip, hard surface.
- The load bearing surface will fully support lateral forces in all directions in excess of 300kg.

The following diagram shows the dimensions of the GoTx 2190. Allow at least 50cm / 20 inches additional space to the left, right, front and back for access to all areas of the printer and for easier media loading and un-loading.



The GoTx 2260 has the following dimensions:

Length: 4100mm / 161.5 inches

Width: 1370mm / 54 inches

Height: 1420mm / 56 inches

3.3.4 Unpacking the GoTx 2190 / 2260

The GoTx 2190 and GoTx 2260 are shipped from factory in a timber crate. Crated, these machines weigh in excess of 600 / 700kg each.

1. The crates should be dismantled carefully so as to not cause damage to the machines.



WARNING

- A minimum of two (2) persons are required to dismantle the shipping crate.
- Ensure that appropriate PPE (Personal Protection Equipment) such as leather gloves, safety goggles and protective clothing is worn by persons involved in dismantling the crate.

The timber may break and splinter during dismantling, which may cause damage to the printer or cause injury.

Nails and screws used to secure the crate may become exposed during dismantling, which may cause damage to the printer or cause injury.

- Take care to hold the walls of the crate as they are disassembled. Walls that are not manually secured during disassembly may fall, which may cause damage to the printer or cause injury.
- Ensure all relevant workplace health and safety requirements are observed during disassembly.

- Remove the top and the walls of the crate and store or dispose of in a safe manner.
- Remove any cartons that are packed within the printer and put aside carefully.
- Remove any plastic coverings from the printer.



WARNING

- Remove any plastic protective coverings from the printer before attempting to move or handle the printer.

If the printer is moved or handled with the protective materials attached, it may slip and fall, which may cause damage to the printer or cause injury.

A forklift / lift truck / hand pallet truck / walkie lift truck will be required to lift the machine from the base of the crate.

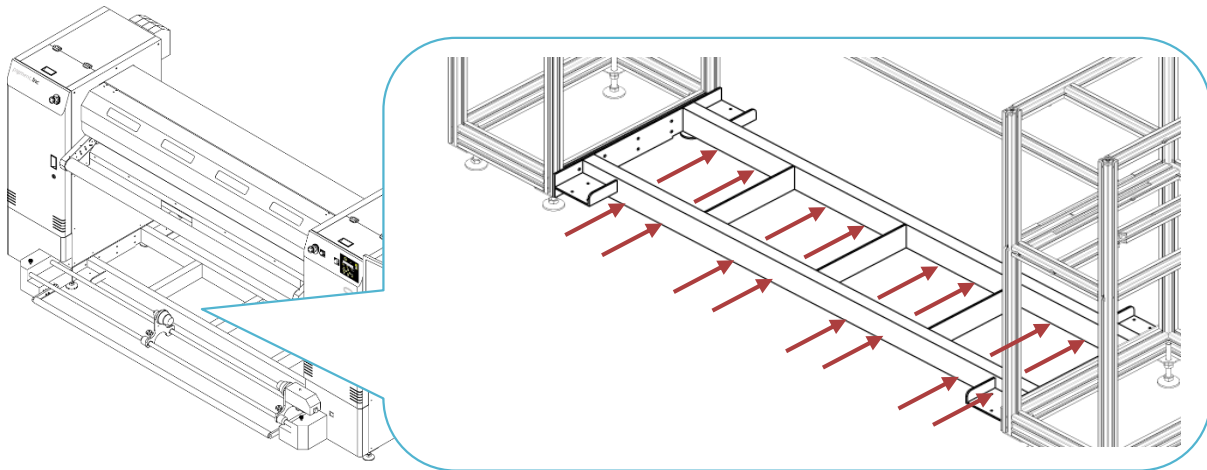
⚠ WARNING

- Use lift equipment with adequate lifting capacity for the size and weight of the printer.
- Use only the approved lift points when lifting the printer from the base of the crate.

Use of inadequate lifting equipment or incorrect lift points may cause the printer to fall, which may cause damage to the printer or cause injury.

✎ NOTE

Approved lift points are indicated here:



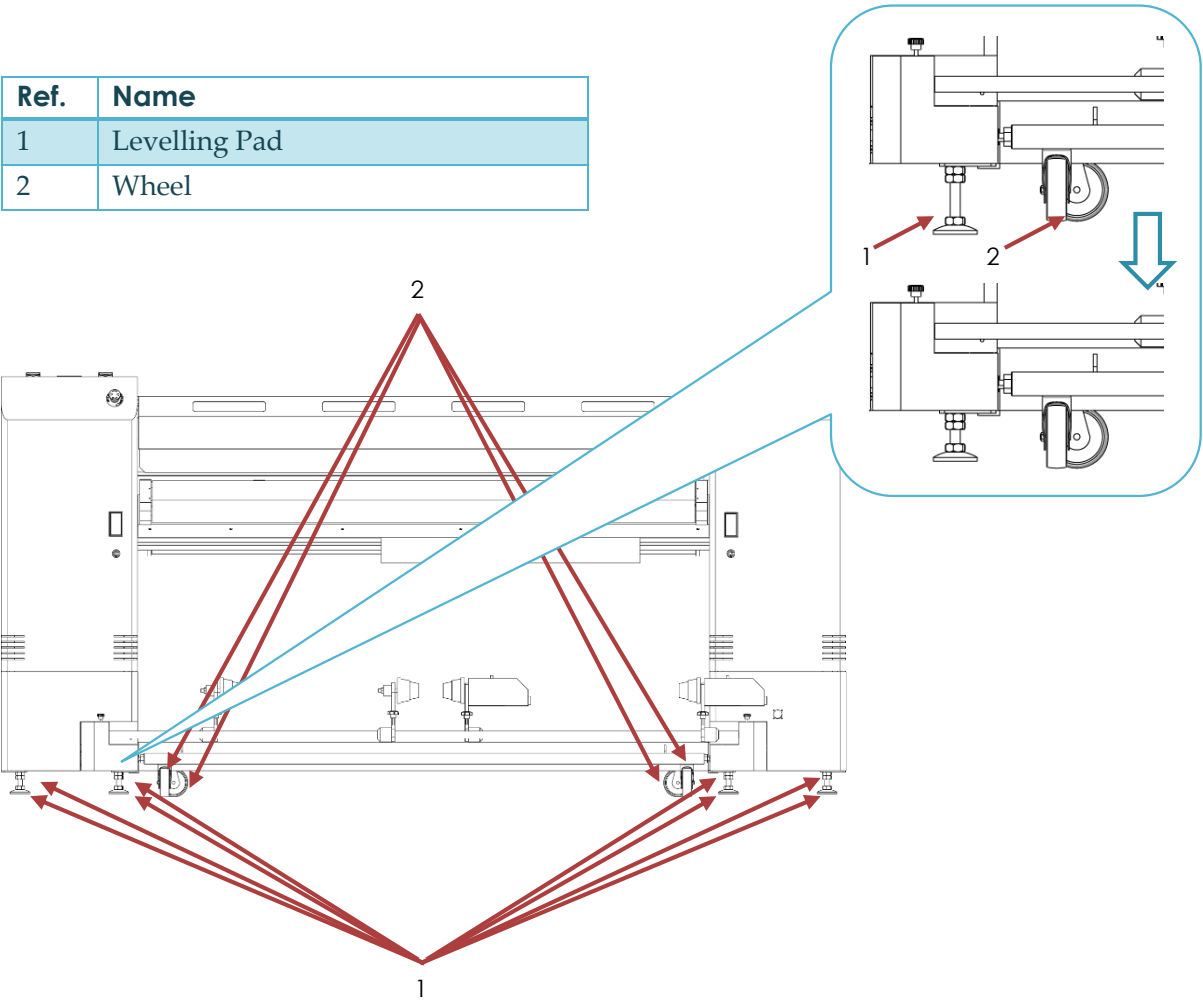
-
2. Lift the GoTx2190/2260 from the crate base and on to a level surface, preferably close to the intended location of operation.

3. Wheel the GoTx 2190/2260 into the chosen position.

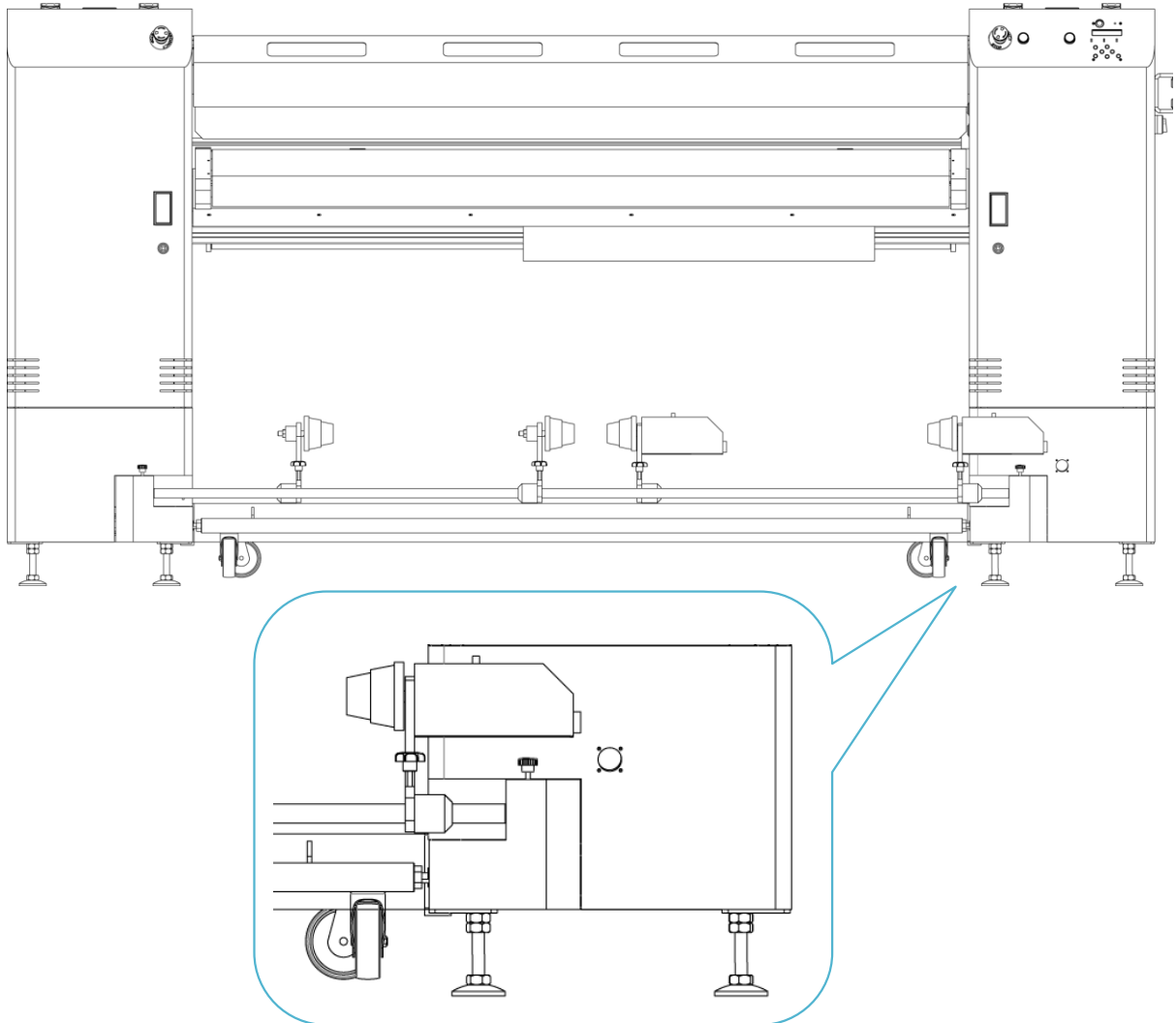
i TIP

- If necessary, raise the 8 x levelling pads on the base frame so that the printer will roll on the wheels.

Ref.	Name
1	Levelling Pad
2	Wheel



4. Lower the 8 x levelling pads so that the GoTx 2190/2260 is no longer resting on the wheels, and is secured on the levelling pads.



5. Make further adjustments to raise / lower each levelling pad so that the GoTx 2190/2260 is level on all planes (front / rear and left / right).

i TIP

- Use a Spirit Level / Bubble Level / Bullseye Level / Carpenters Level at several positions and directions across the top casings of the GoTx 2190/2260 while adjusting the levelling pads to achieve good overall level of the printer.
-

3.4 Other Preparations and Checks

3.4.1 Remove Head Locking Bracket

The GoTx 2190 / 2260 is fitted with a bracket to prevent the Print Head Carriage from moving during transportation. This **MUST** be removed before connecting power to the printer.

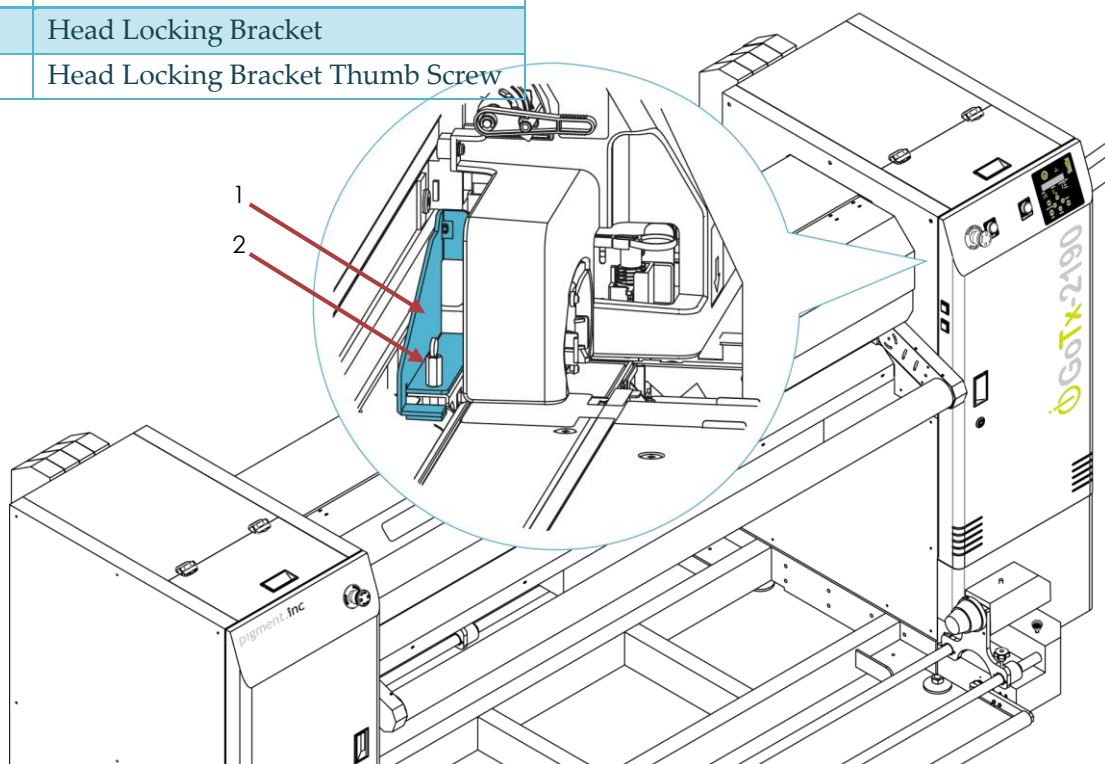
Follow the instructions below to remove the Head Locking Bracket.

CAUTION

- Do not connect power or attempt to start the printer if the Head Locking Bracket has not been removed.
Powering on the printer with the Head Locking Bracket in place will cause major damage to critical parts on the GoTx 2190/2260. Such damage will not be covered by manufacturer's warranty.

- Open Main Cover of printer, and look to the right side within the Maintenance Compartment. Locate and unscrew the thumb screw securing the Head Locking Bracket.
- Carefully remove the Head Locking Bracket (retain bracket and thumb screw for future use if machine is to be transported).

Ref.	Name
1	Head Locking Bracket
2	Head Locking Bracket Thumb Screw



3.4.2 Removing Bearer Protective Materials

The GoTx 2190 / 2260 ships with materials which are designed to support and protect the bearer and the T Fence (Encoder Strip) during transportation. These **MUST** be removed before connecting power to the printer.

Follow the instructions below to remove the Head Locking Bracket.

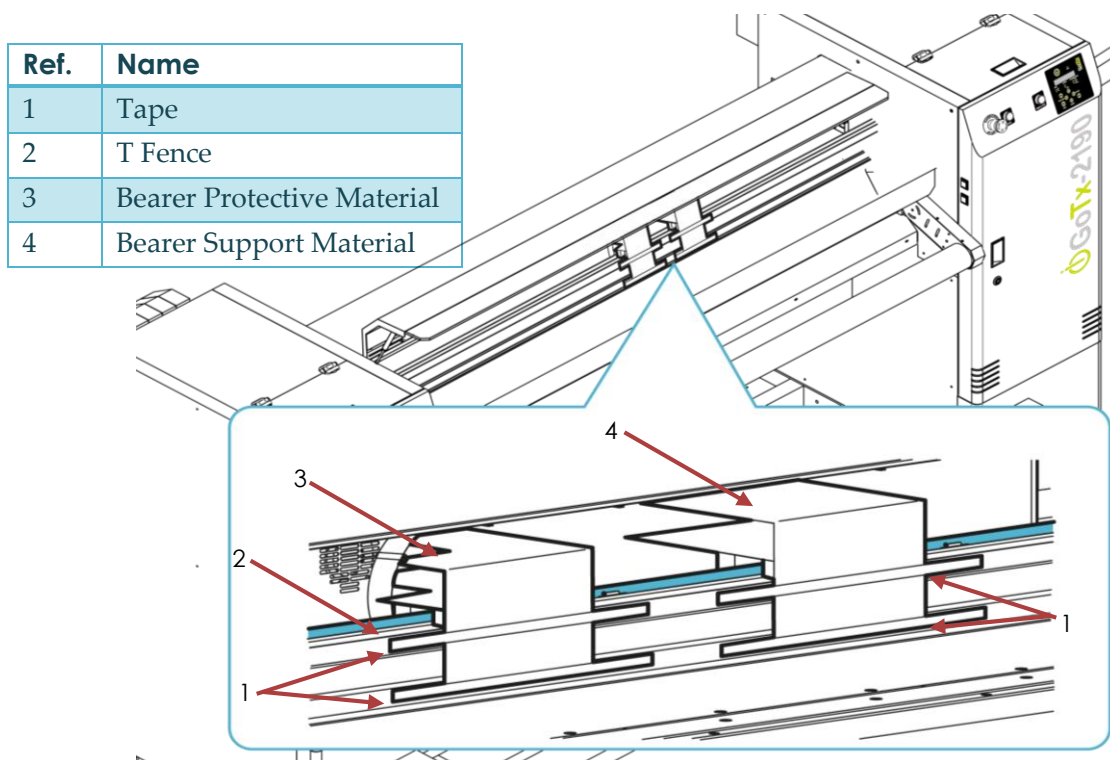
CAUTION

- Do not connect power or attempt to start the printer if the bearer protective materials have not been removed.
Powering on the printer with the Bearer protective materials in place will cause major damage to critical parts on the GoTx 2190/2260. Such damage will not be covered by manufacturer's warranty.

- Open Main over of the printer and locate the protective materials.
- Carefully peel off the tape (be careful not to come in contact with the T Fence) and remove the Bearer support and protection materials.

CAUTION

- Make sure not to damage the T Fence during removal of the protective materials.
If the T Fence is damaged, it will affect print results.



3.4.3 Remove Plastic Wrap from Rollers

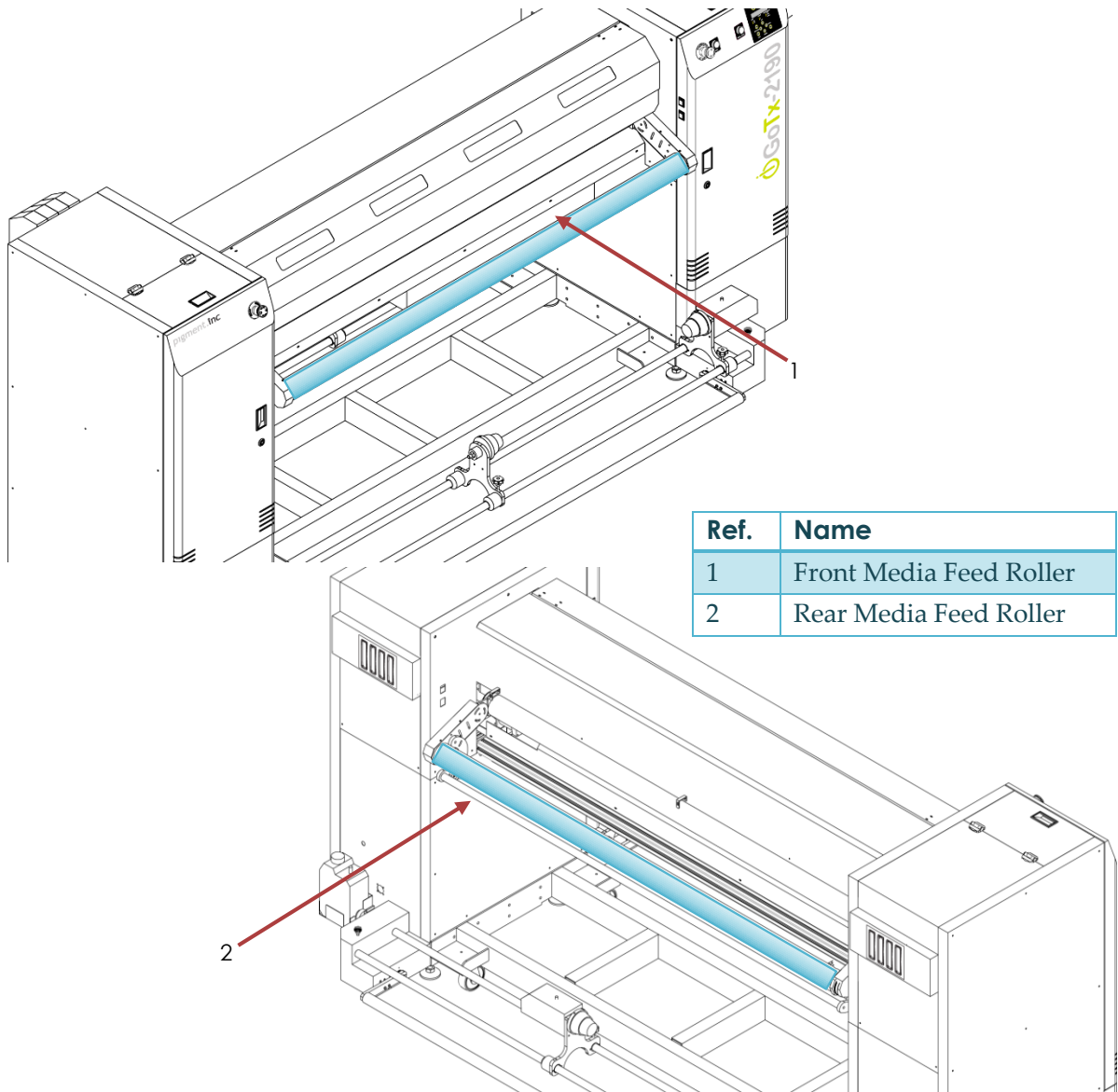
The GoTx 2190 / 2260 is shipped with protective plastic film wrapped around the Roto-Trak Rollers.

1. Remove the protective film carefully.

CAUTION

- Do not remove the film from the Roto-Trak Rollers in such a way that the rollers start to turn quickly.

Turning the rollers manually at speed can cause damage to the motors and drivers that control the rollers during normal operation. Such damage will not be covered by manufacturer's warranty.



3.4 Other Preparations and Checks

3.5 Power Connection

This section explains the connection power to the GoTx 2190/2260.



WARNING

- **Be sure to use the specified power cord set.**
Using a power cord set other than the specified can cause an electric shock or fire.
- **Use the power cord set compliant with the safety standards, power-supply voltage, and plug shape of the country where the printer is used.**
- **Use a power cord set which is equipped with a protective earth, and securely connect it to the outlet.**
- **Do not use a damaged power cord set.**
It could lead to an electric shock or fire.



CAUTION

Pay attention to the following points when handling the power cord set.

- Do not tamper with the power cord set.
- Do not put heavy objects on the power cord set.
- Do not bend, twist or pull the power cord set by force.
- Do not route the power cord set near heating appliances.



NOTE

- *Contact your local GoTx dealer if the power cord set is damaged.*

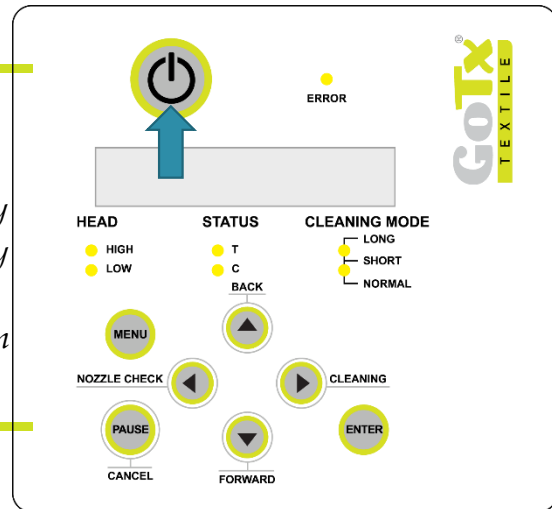
3.5.1 Connecting the Power Cord Set

Follow the procedure below to install the power cord set.

1. Make sure that the printer is turned OFF.

NOTE

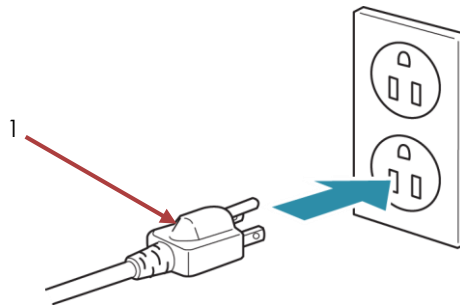
- The printer is turned ON when the [Power] key of the Operation panel is depressed. Check this by manually inspecting the [Power] key. Press the key once again to release the [Power] key and turn the printer OFF.



NOTE

- The power cord is fixed to the GoTx 2190 / 2260 printer at the lower right side / rear corner, and extends from beneath the main casing.

2. Insert the plug of the power cord firmly in the power socket.



Ref.	Name
1	Power Plug

⚠ WARNING

Common to GoTx-2190 / 2260



**Do not pull out or insert the power plug with a wet hand.
This could lead to an electric shock.**



Make sure to use only the specified power supply (AC 100 V to 120 V or AC 220 V to 240 V).

If a power supply other than the specified voltage is used, it could cause an electric shock or fire.



Take power for the printer directly from the power socket (AC 100 V – 120 V or AC 220 V - 240 V).

**Do not use multiple plugs on the same socket.
This could generate heat and might cause a fire.**



**Be sure to use a dedicated power socket with an earth wire for the power supply, and connect it to the earth wire.
If the earth wire is not connected, it may cause an electric shock or fire.**

Do not connect an earth wire to the following places:

- Gas pipes

There is a possibility of ignition and explosion.



- Earth wire of telephone cables and lightning rods

A heavy current might flow whenever lightning strikes.

- Water pipe and faucet

The earth might not work if a plastic pipe is connected in the middle of the metal pipe.

⚠ CAUTION*Common to GoTx-2190 / 2260*

Pay attention to the following points when handling the power plug.
Any mishandling of the power cable could cause a fire.



- Make sure that no foreign substances such as dust are stuck to the power plug.
- Make sure that the power plug is firmly inserted to the edge of the power socket.
- Remove the power plug from the power socket if the printer is not used / not to be used for a long period.



Make sure to connect an earth wire to the earth connection that meets the following standards.

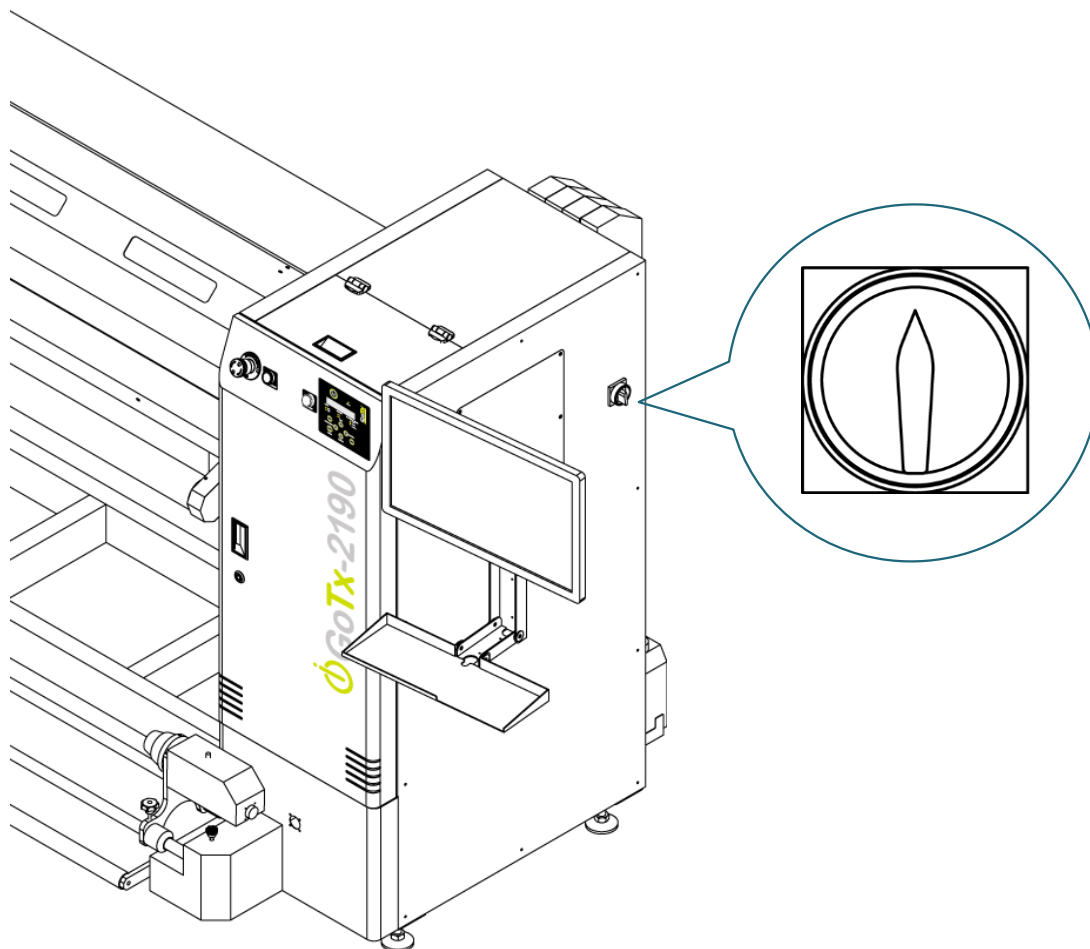
- Earth terminal of power socket
 - An earth wire with a copper plate which is buried at 650 mm or more in the ground.
-

 NOTE

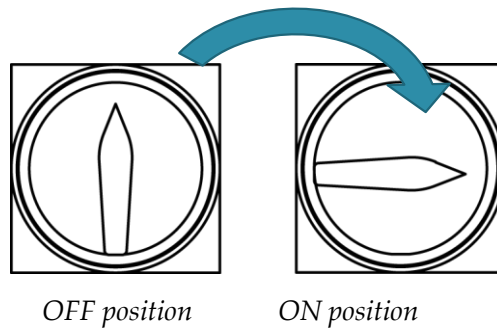
- *Contact your local GoTx dealer if the earth connection is not / cannot be established.*
 - *When the printer is ON, do not pull out the power cord set from the power socket.*
- Whenever the plug is pulled out from the power socket, turn OFF the power on the Operation panel and allow at least one minute before inserting the plug in the power socket again.*
-

3.5.2 Mains Power Switch

The Mains Power switch controls the mains power or AC power supply to the Printer Unit, the Roto-Trak Roller Assembly and to the Feed and Take-up Mechanisms.



The Mains switch must be turned to the ON position for power to be available to the Printer Unit, Roto-Trak Roller Assembly and to the Feed and Take-up Mechanisms:



 NOTE

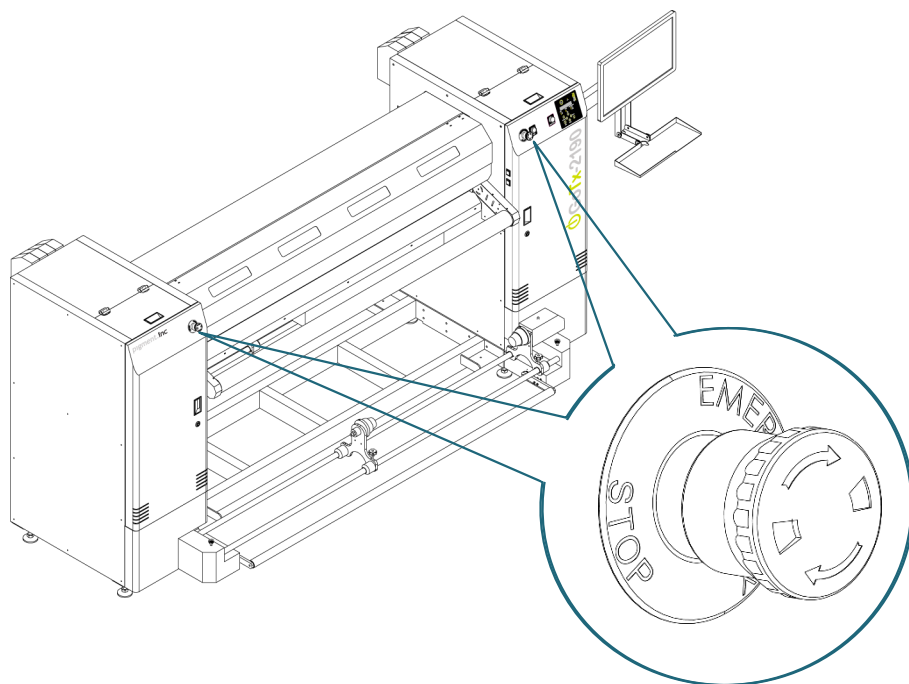
- *Power is available to the multi outlet board located within the Maintenance Compartment at all times that the power cord is connected to the power socket. This power supply is independent of the Mains switch.*
-

 NOTE

- *When the printer unit is ON, do not turn the mains power switch off.
If turning the mains power switch off, first turn OFF the power on the Operation panel and allow at least one minute before turning the mains power switch back to the on position.*
-

3.5.3 Emergency Stop Switches

The Emergency Stop Switches remove mains power from the Printer Unit, Roto-Trak Roller Assembly and to the Feed and Take-up Mechanisms in an emergency. Press firmly to engage, twist clockwise to disengage.



3.6 Turning the power ON/OFF

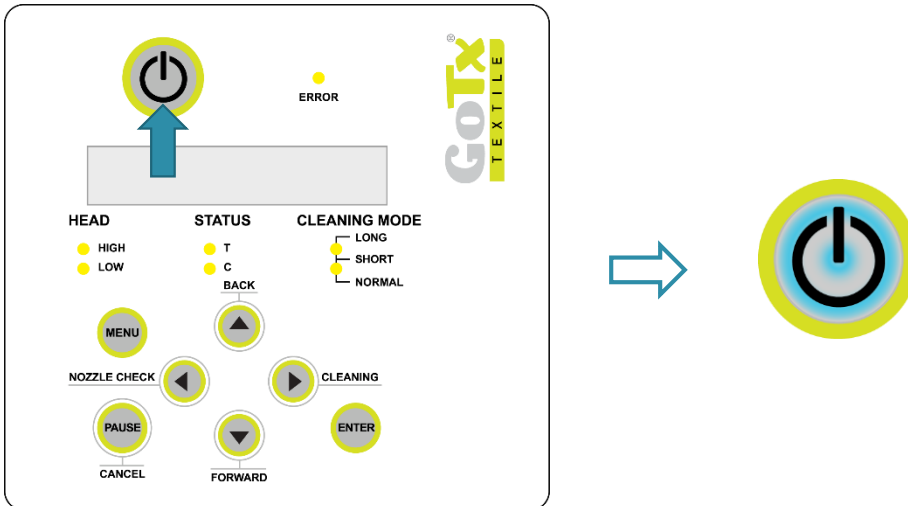
This section explains how to turn the Printer Unit ON/OFF

3.6.1 Turning the power ON

Follow the procedure below to turn the power ON.

1. Press the [Power] key on the Operation panel to turn ON the printer.

- The Power lamp on the Operation panel lights up in blue.



- The printer will start to initialise
- When the initialisation is complete, the printer will enter Normal status.



NOTE

- *If there is a problem during the initialisation, a message will display on the Operation panel and the printer may stop operating.*

If printer operation stops, refer to 7 TROUBLESHOOTING to deal with the problem.

3.6.2 Turning the power OFF

Follow the procedure below to turn the printer OFF

1. Verify the following regarding the operational status of the printer.

- Printing or other operations are not in progress
- Operation panel display is Normal
- The Low lamp on the Operation panel is illuminated green
- The High lamp on the Operation panel is turned off.

NOTE

- *If the High lamp on the Operation panel is illuminated green, the head height is set to High or Mid.*

Return the head height to Low before turning the power OFF.

 4.2.5.3 Setting the Head height to Low.

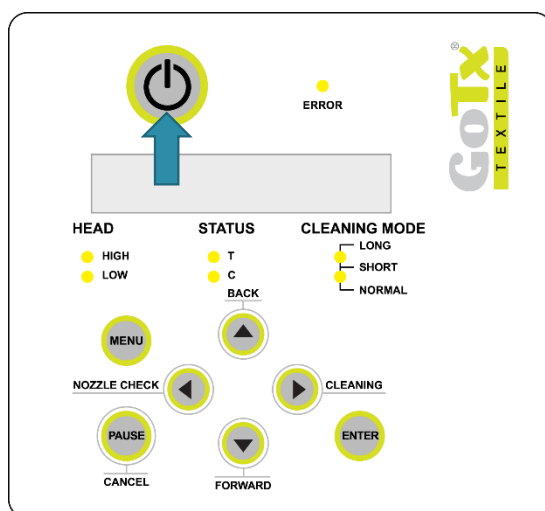
2. Press the [Power] key on the Operation panel to turn OFF the printer unit.

- The Power lamp on the Operation panel is turned off.

NOTE

- *If the Operational panel is in the follow status, the power is ON.*
 - *The [Power] key is pressed in.*
 - *The Power lamp is illuminated blue.*

Press the key once again to turn OFF the power.



- The printer turns the power OFF
- POWER OFF is displayed on the Operation panel.

**NOTE**

- *If the head height is set to High or Mid, Set height to low is displayed on the Operation panel, and the printer stops the Power off procedure. To restart the procedure, return the head height to Low.*

**4.2.5.3 Setting the Head height to Low.**

- All the lamps on the Operation panel and the LCD monitor are turned OFF.
- The printer automatically turns the power OFF (to the Printer Unit only)

**NOTE**

- *If there is a problem during the operation of turning OFF, a message will be displayed on the Operation panel and the printer may stop operating. If the operation stops, refer to 7 TROUBLESHOOTING and deal with the problem.*
- *After turning OFF the printer, wait ten seconds or longer before turning it ON again.*

3.7 Filling Ink

This section describes the procedure to install Ink Cartridges for the first time.

NOTE

- *Your GoTx dealer should perform this operation as part of the installation procedure. The procedure is included here for reference only. Contact your GoTx dealer for further information.*
-

CAUTION

- Before operation, make sure to read the Safety Data Sheet(s) (SDS) for the inks.
- When handling ink cartridge or ink packs, pay attention so that ink does not come into contact with your eyes or skin.

If ink gets into your eyes or makes contact with your skin, immediately wash it off with water.

Failing to do so may cause irritation or slight inflammation of the eyes.

In case of any abnormality, consult a physician immediately.

- Do not disassemble ink cartridges or ink packs.
If disassembled, ink might come into contact with your eyes or skin.
 - Comply strictly with the following during ink filling.
 - Do not turn OFF the printer.
 - Do not unplug the power cord set or engage the emergency stop switches.
 - Do not open the Front cover.
 - Do not open the Maintenance compartment door.
-

 NOTE

- Use genuine GoTx / Pigment Inc ink cartridges or ink packs for charging.
This printer is designed to use Pigment Inc ink cartridges and ink packs.
If you use inks which are not supplied by GoTx or your GoTx dealer:
 - *print quality may decline*
 - *any problems caused by using an ink bag other than those recommended above will not be covered by warranty, an repair expenses will be paid by the customer.*
- *For types and details of ink packs, contact your local GoTx dealer.*
- *Do not shake ink cartridges / ink packs vigorously*
Doing so may cause ink leakage.
- *Do not disassemble ink cartridges / ink packs.*
A disassembled ink cartridge or ink pack must not be used.
- *Use only GoTx / Pigment Inc supplied cleaning cartridges / packs suitable for your printer model.*
- *Shake the ink cartridge or ink pack lightly before installing.*
Failure to do so may affect the print quality.
- *When moving ink cartridge or ink packs from a storage location to the printer location, leave the ink cartridges / packs in the printer location for 3 or more hours before printing.*
- *Do not insert / remove High-capacity ink pack adapter more than 6 times.*
The High-capacity ink pack adapter will require replacement of the Connector rubber.

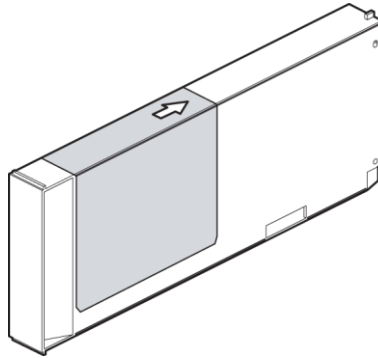
3.7.1 Preparing Cleaning Cartridges

This section describes preparation of Cleaning Cartridges for use (where required).

When the printer is initialised for the first time, it will require the installation of Cleaning Cartridges before the ink is charged. This is necessary to dispel all air from the ink delivery system before priming with ink.

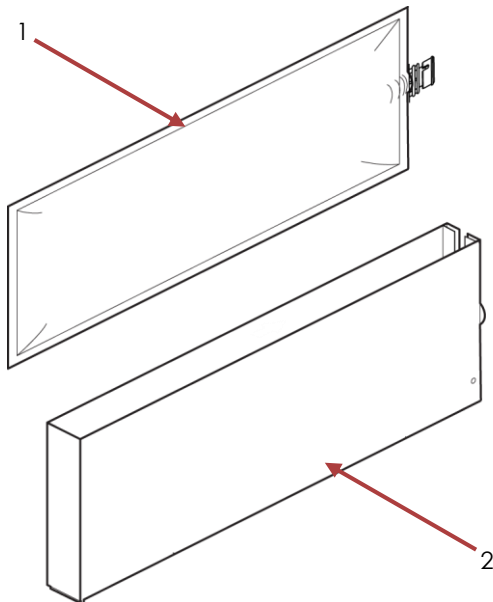
There are two types of cleaning cartridges that may be provided for the initial startup procedure:

a. Standard style cartridge:



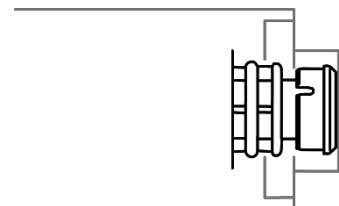
- This standard cleaning cartridge requires no further preparation, other than to remove any packaging.

b. Cleaning pack with cartridge style holder:



Ref.	Name
1	Cleaning Pack
2	Cartridge Style Holder

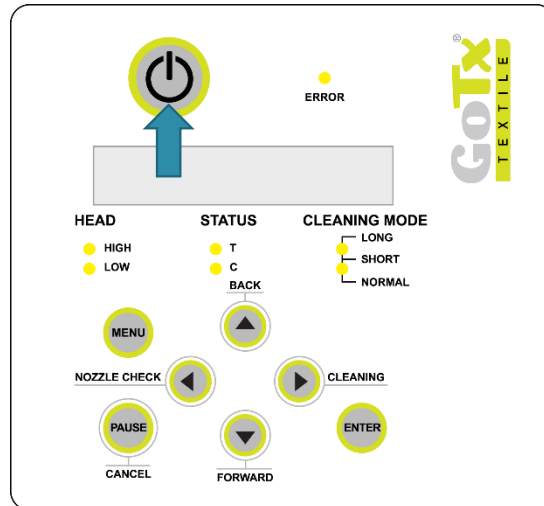
- The cleaning pack should be inserted into the cartridge style holder, so that the nozzle of the pack fits neatly into the end of the cartridge (top view shown here):



3.7.2 Installing Cleaning Cartridges

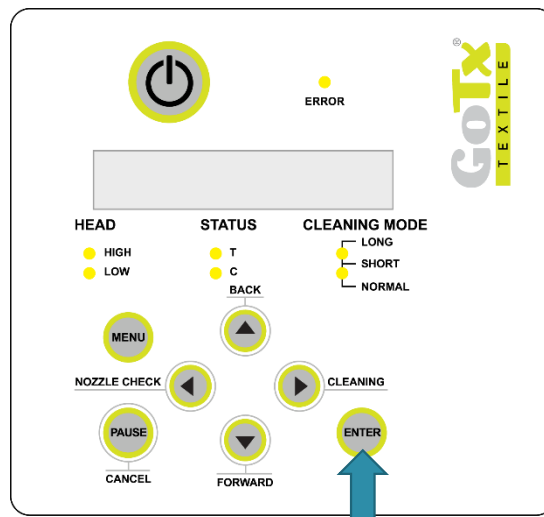
This section describes installing & using Cleaning Cartridges

1. Turn the printer ON.



- The printer starts the initializing operation.
- After the initial operation is complete, `Start Ink Charge -> E` is displayed on the Operation panel.

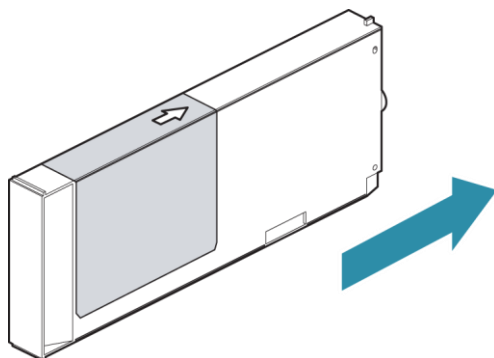
2. Press the [Enter] key on the Operation panel



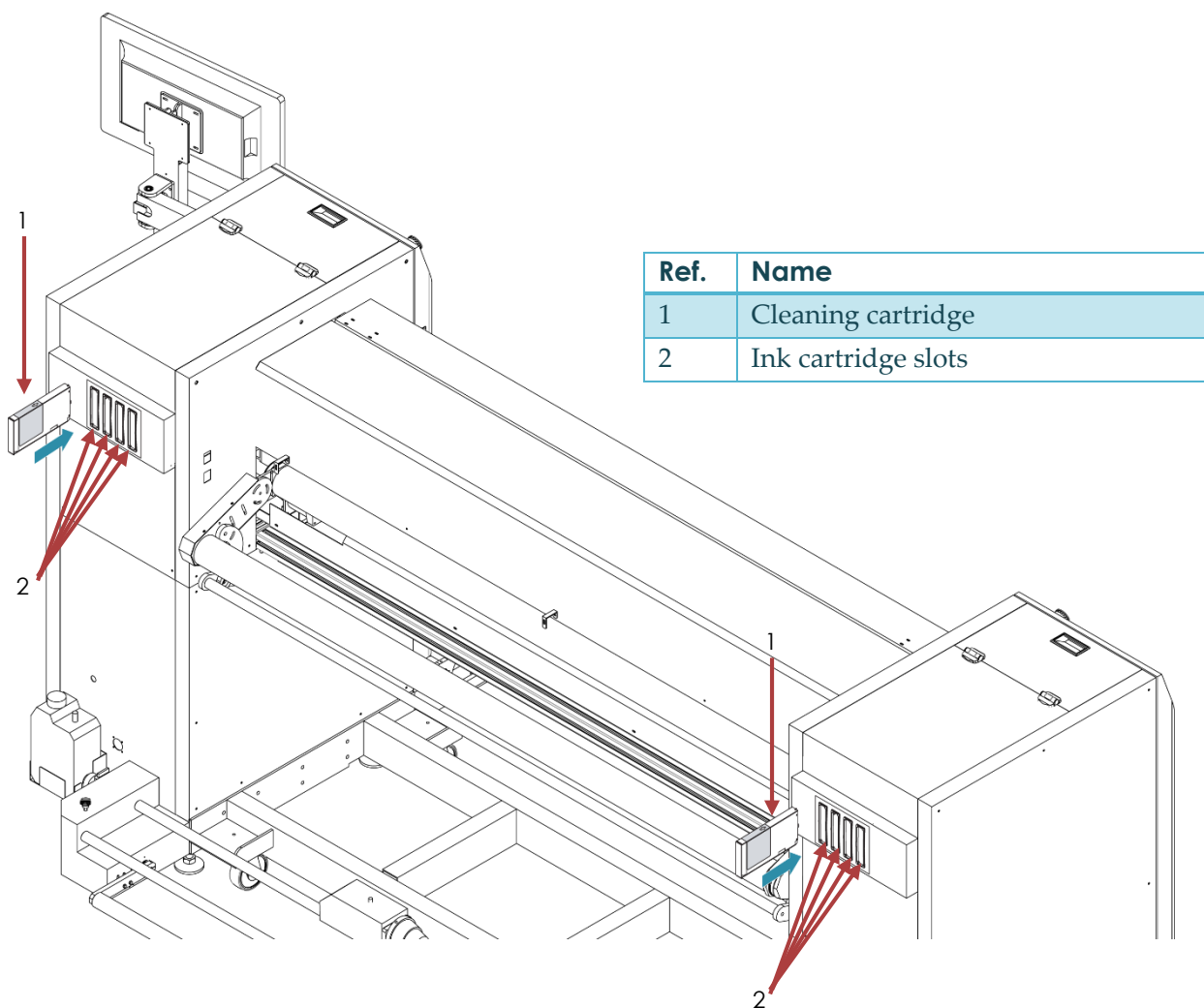
- `Insert CleaningCart.` is displayed on the Operation panel

3. Insert 8 x cleaning cartridges into the Ink Cartridge slots at the rear of the printer.

- For standard type cleaning cartridge, ensure the arrow pictured on the top of the cartridge is facing upwards and insert in the direction of the arrow.
- For cleaning pack with cartridge style holder, ensure the open top side of the holder is facing upwards, and insert the nozzle end of the cartridge into the ink cartridge slots.



- Insert the Cleaning cartridges all the way in the Ink cartridge slots.



- If the head height is set to High, Change Head Gap Low is displayed on the Operation panel.

Change the head height to Low.



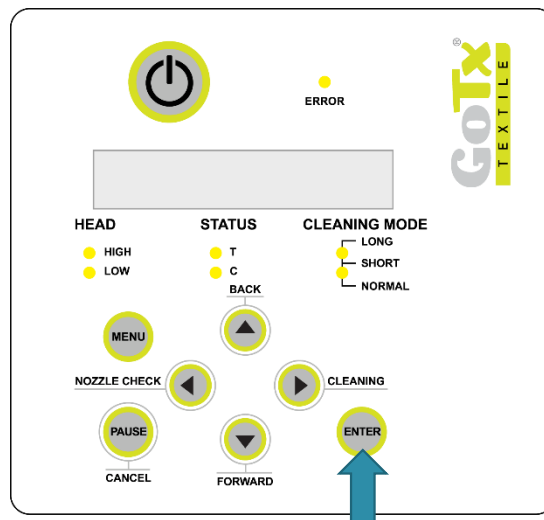
Head Height Adjustment

- When all Cleaning cartridges are installed, **Busy-Washing** is displayed on the Operation panel, and the printer starts charging the cleaning fluid.
- When Cleaning fluid has been charged, **Remove Cartridges** is displayed on Operation panel.

4. Remove all cleaning cartridges.

- **Busy-Washing** is displayed on the Operation panel and the printer starts head cleaning.
- When the head cleaning is complete, **Wash retry? No** is displayed on the Operation panel.

5. Press the [Enter] key on the Operation panel

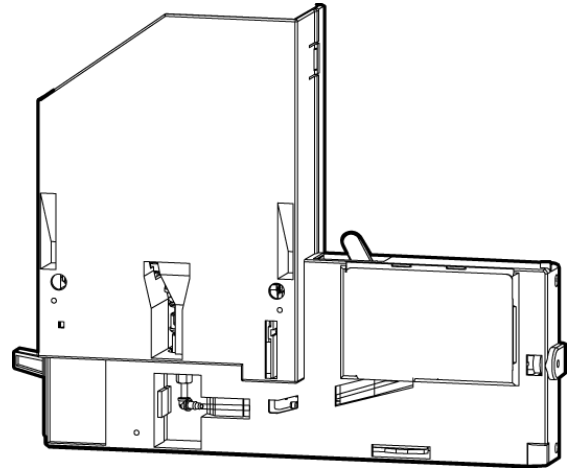


- **Insert InkCartridges** is displayed on the Operation panel.

3.7.3 Installing Ink Packs

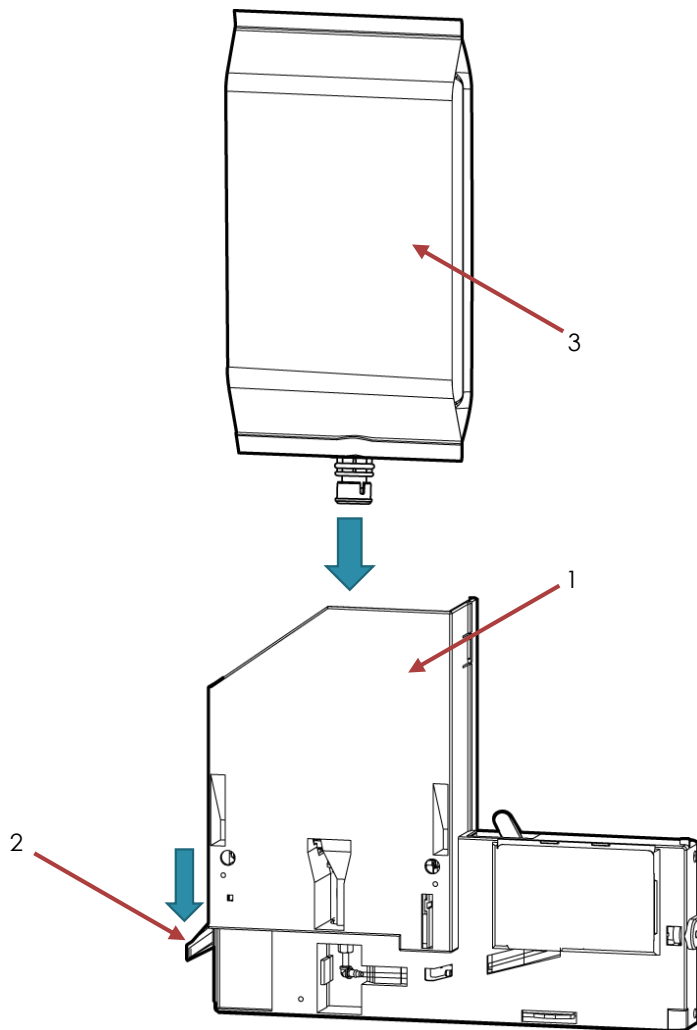
Follow the procedure below to install Ink packs to the High-capacity Ink pack adapters.

1. Prepare High-capacity ink pack adapter.



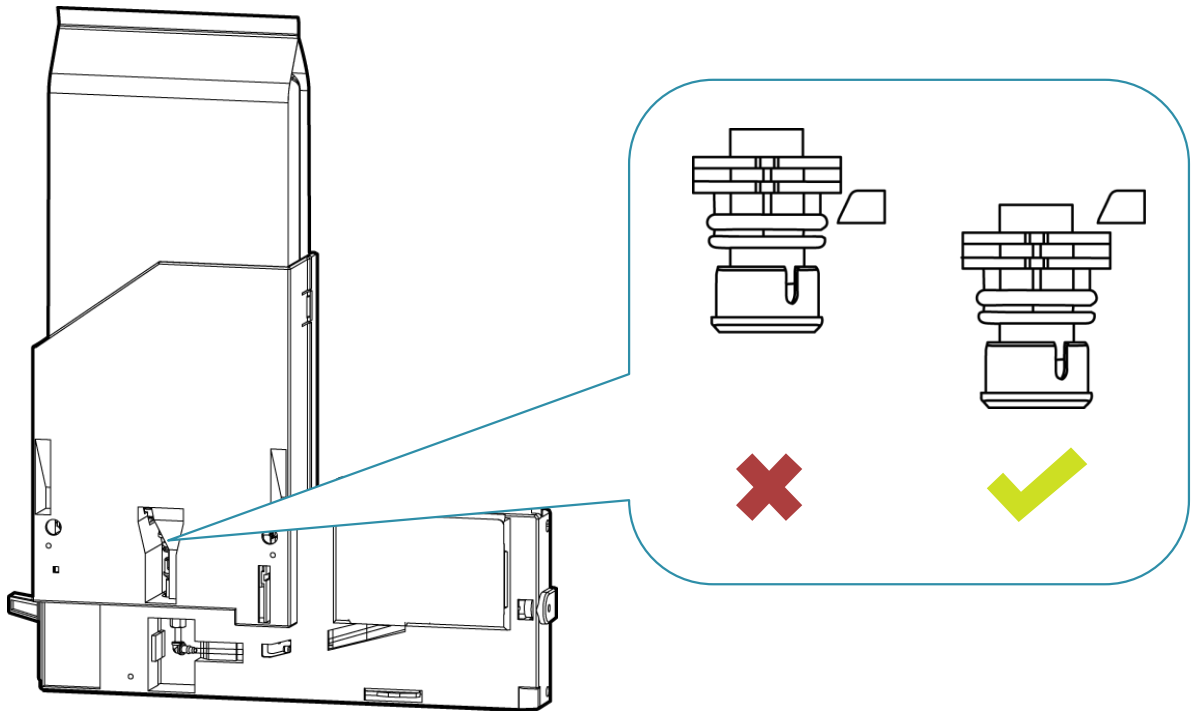
2. While lowering the Lock lever of the High-capacity ink pack adapter, firmly insert an Ink pack.

- Make sure to insert Ink packs all the way in the High-capacity ink pack adapter.

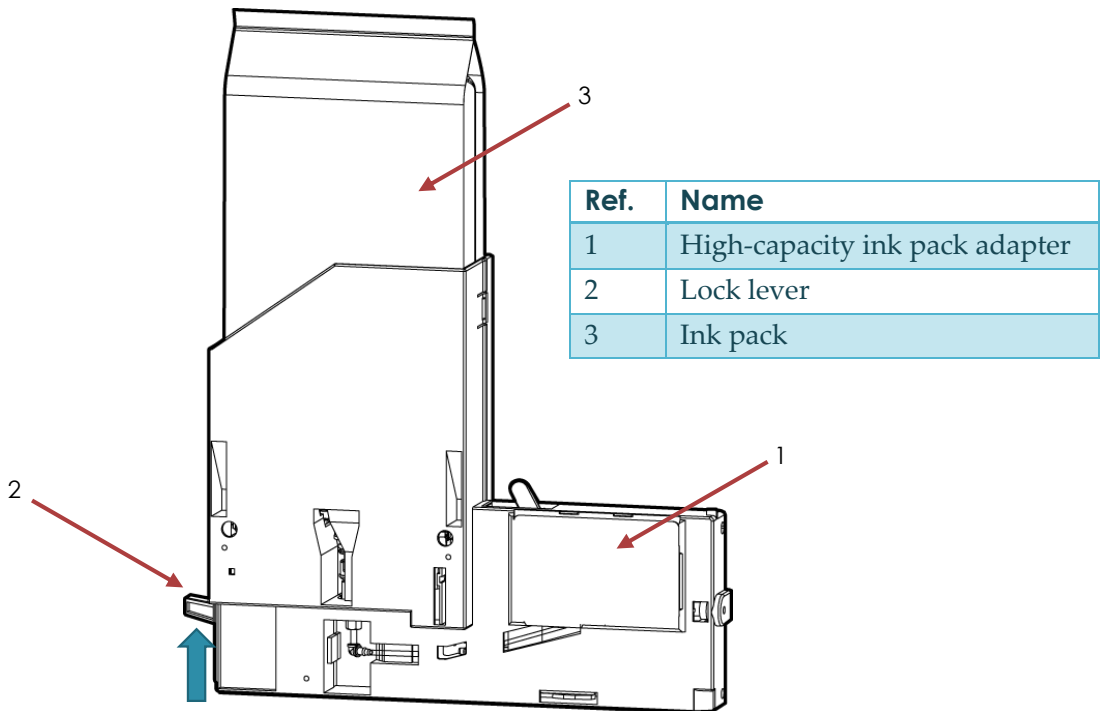


Ref.	Name
1	High-capacity ink pack adapter
2	Lock lever
3	Ink pack

- Confirm ink pack is fully seated by checking the lock mechanism is at the top of the ink delivery neck through the observation window of the High-capacity ink pack adapter. See proper positioning here:



- Make sure that the Lock lever of the High-capacity ink pack adapter is back to it's original position.



Ref.	Name
1	High-capacity ink pack adapter
2	Lock lever
3	Ink pack

 NOTE

- *If after inserting an Ink pack to the High-capacity ink pack adapter, the Lock lever does not return to it's original position, push the lever up with your finger. If it still does not return, insert the Ink pack again.*

 CAUTION

- If Lock lever does not return to it's original position and is left that way, it may cause ink leakage.

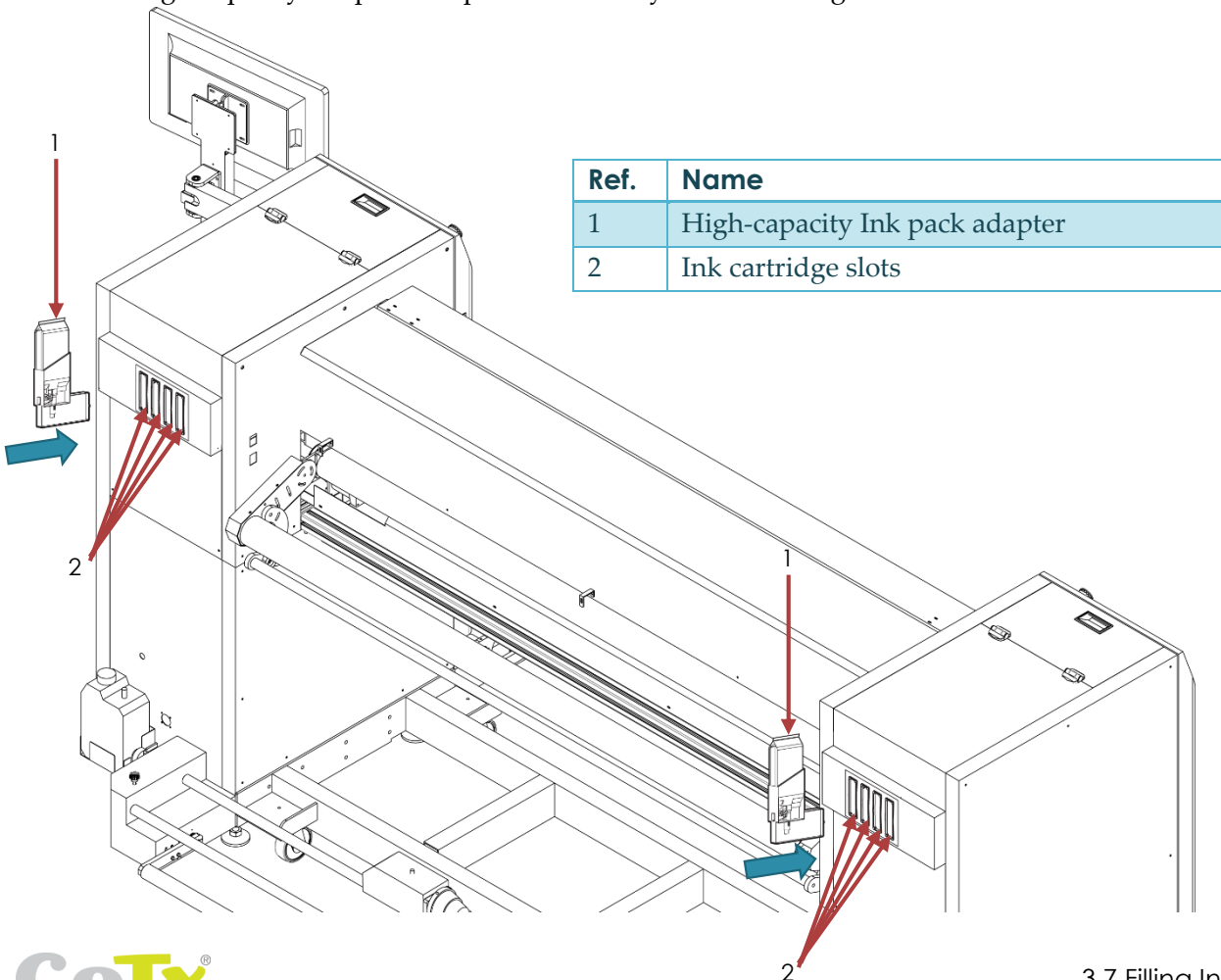
3. Install Ink packs in the same way to the remaining High-capacity ink pack adapters.
4. Install the High-capacity ink pack adapters to the printer.

3.7.4 Installing High-capacity Ink Pack Adapters

NOTE

- The order of the colors of the ink to be inserted to the Ink cartridges slots will be determined by the software RIP supplied by your GoTx dealer.
Refer to your GoTx dealer for further information.
- A typical order for pigment inks might be (where ink cartridge slot 1 is very left of the rear of the printer, and ink cartridge slot 8 is the right-most slot):
 - Slot 1 – Orange
 - Slot 2 – Yellow
 - Slot 3 – Red
 - Slot 4 – Magenta
 - Slot 5 – Violet
 - Slot 6 – Cyan
 - Slot 7 – Grey
 - Slot 8 – Black

1. Insert High-capacity ink pack adapters all the way in Ink cartridge slots.



- When all High-capacity ink pack adapter are installed correctly, Ink Refill **% is displayed on the Operation panel and ink replenishment starts.
- Initial filling takes about 17 minutes
Ink filling a pause operations are repeated during the initial ink replenishment.
- When 100% is displayed, the initial ink replenishment is complete.
- After the initial ink replenishment is complete, Media End is displayed on the Operation panel.

 CAUTION

- Comply strictly with the following during ink filling. If filling is interrupted, ink will be wasted when filling is resumed.
 - Do not turn OFF the printer.
 - Do not unplug the power cord set or engage the emergency stop switches.
 - Do not open the Front cover.
 - Do not open the Maintenance compartment door.
-

 NOTE

- *If a nozzle check is printed immediately after the initial ink replenishment is completed, the following results may occur.*

- *Printed lines become blurred.*
- *The printed output may be missing parts.*

In such cases, follow 5.3 Cleaning menu and refill a small amount of ink, then check the printing result.

If there is no improvement in the print result even after refilling a small amount of ink, leave the printer unused for one or more hours. Then again refill a small amount of ink and check the print result.

If there is still no improvement, contact your local GoTx dealer.

3.7.5 Installing High-capacity ink pack adapters on printers previously filled with ink.

For printers where previously filled with ink using a different style of ink cartridge, or where changing / replacing ink pack adapters: if the printer is used with High-capacity ink pack adapters without having done an initial ink replenishment, air from within the High-capacity ink pack adapters will pass through the Ink tubes and may cause nozzle clogging. Perform the initial ink replenishment from the Cleaning menu in the following cases:

- When using High-capacity ink pack adapters for the first time on a printer where the ink has been previously filled.
- After using High-capacity ink pack adapters and replacing them with new ones.

5.3 Cleaning menu

3.8 Loading Media

This section explains how to load and set media, and settings for each media type.

NOTE

- *Refer to the following for details about handling media*

4.2 142Media

- *For types and details of the recommended media, contact your local GoTx dealer.*
-

3.8.1 Loading roll media

This section describes the procedure to load roll media.

Load the roll media in the centre of the printer.

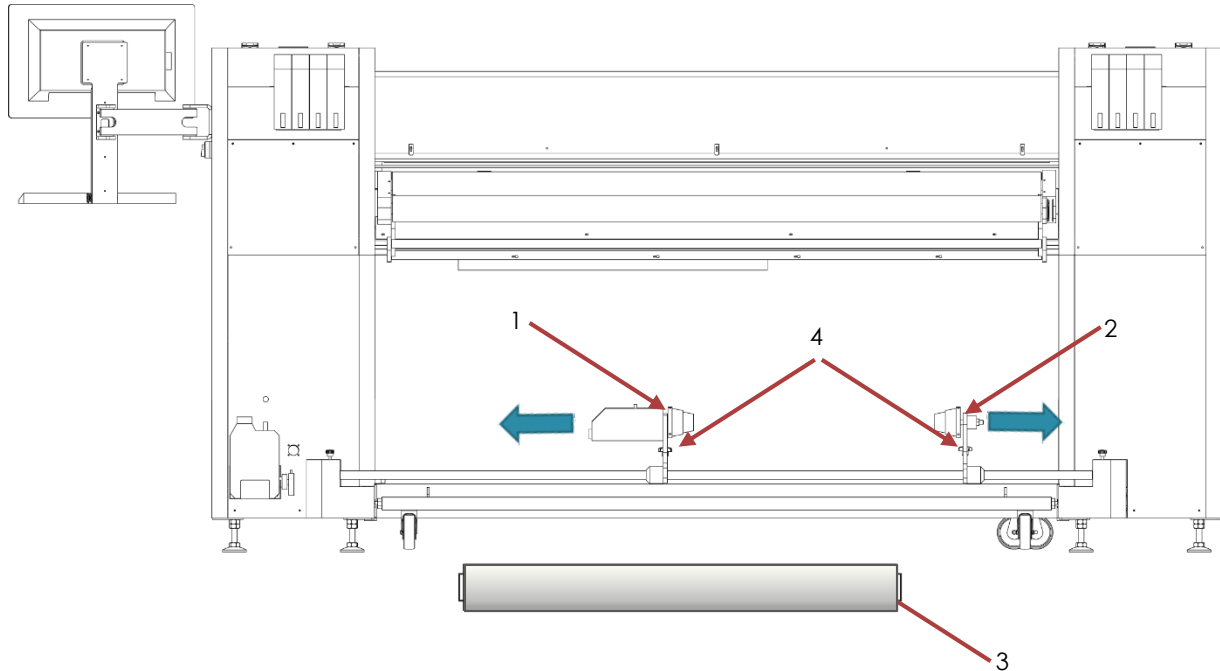
NOTE

- *The following roll media can be loaded to the GoTx 2190 / 2260*
 - *Outer diameter: 300mm or less*
 - *Media tube (core) diameter: two to three inches (50mm or 75mm)*
 - *Weight: 40kg or less*
 - *Width: 1910mm / 2610mm or less*
 - *Thickness: 2.8mm or less*

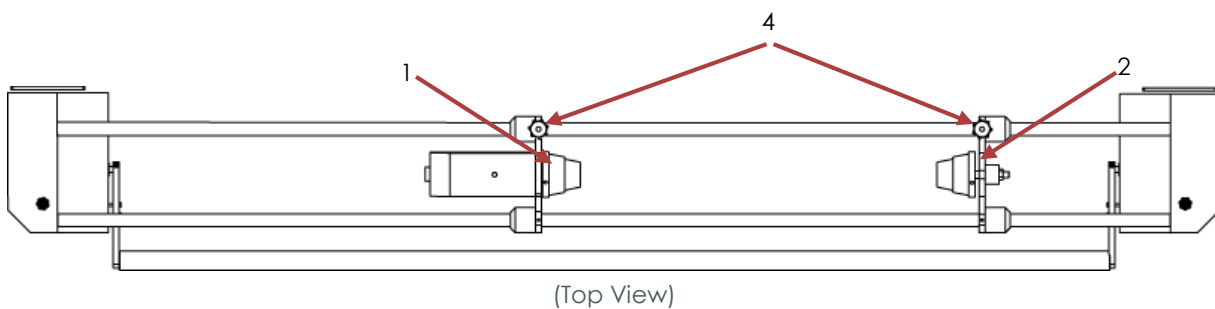
8.1.1 Printer specifications

Follow the procedure below to load the roll media.

1. Loosen the fixing knobs on the Feed Core Chucks (both Driven and Idle) on the Feed media holding assembly at the rear of the printer. Set the distance between the Feed Core Chucks wider than the actual width of the roll media to be set.

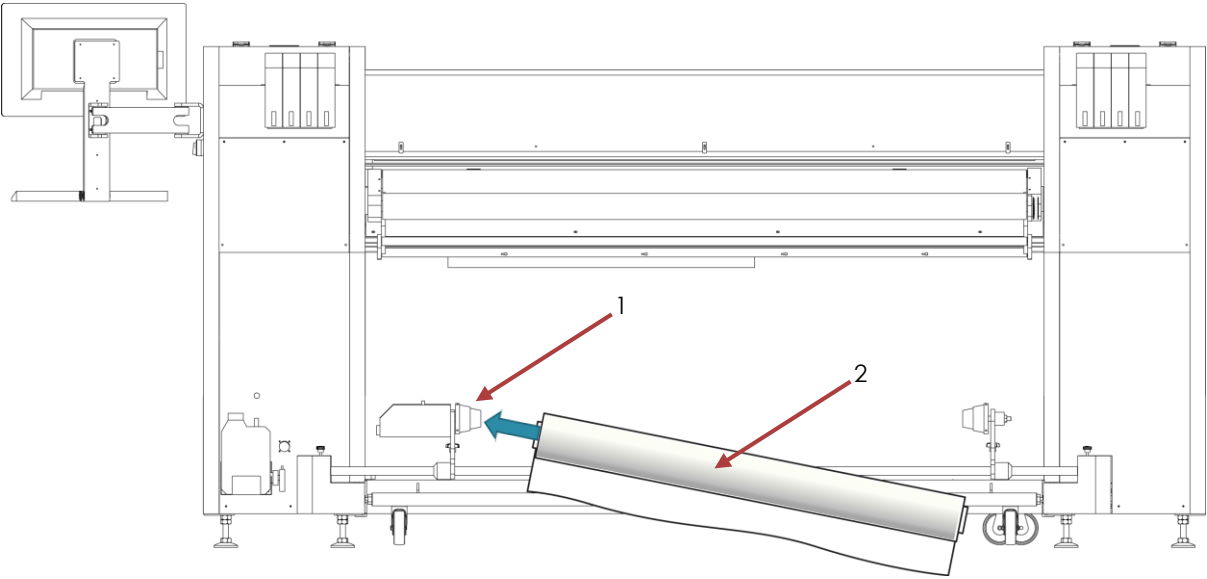


Ref.	Name
1	Feed Core Chuck (Driven)
2	Feed Core Chuck (Idle)
3	Roll media
4	Fixing knob



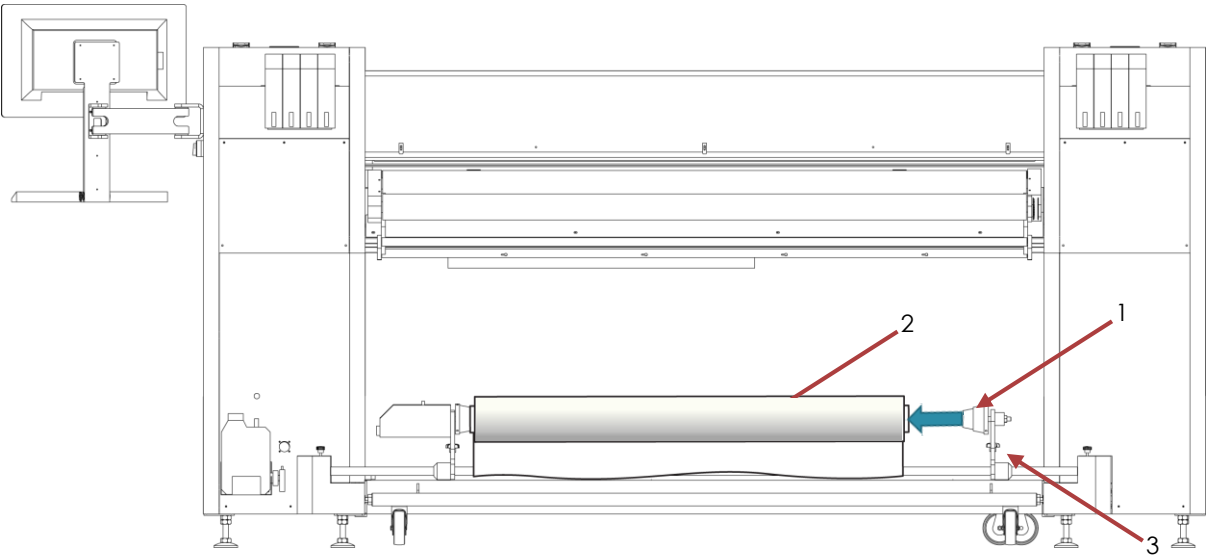
2. Tighten the fixing knob of the Feed Core Chuck (Driven) and fix the Feed Core Chuck (Idle).

3. Set the roll media to Feed Core Chuck (Driven)



Ref.	Name
1	Feed Core Chuck (Driven)
2	Roll media

4. Attach Feed Core Chuck (Idle) to the roll media & tighten the fixing knob.



Ref.	Name
1	Feed Core Chuck (Idle)
2	Roll media
3	Fixing knob

3.8 Loading Media

5. Loosen the Fixing knobs of the right and left Roll media core chucks, move the roll media to the centre and tighten the knobs.

NOTE

- *If the width of the media is less than half the width of the print area of the GoTx, be sure to position the media to the centre of the print area. That is, the left edge of the media must be left of the centre mark of the print area, and the right edge must be right of the centre mark of the print area. If the media does not cover the centre line of the print area, the printer may respond with an “unidentified media” message during the printer self media check process.*

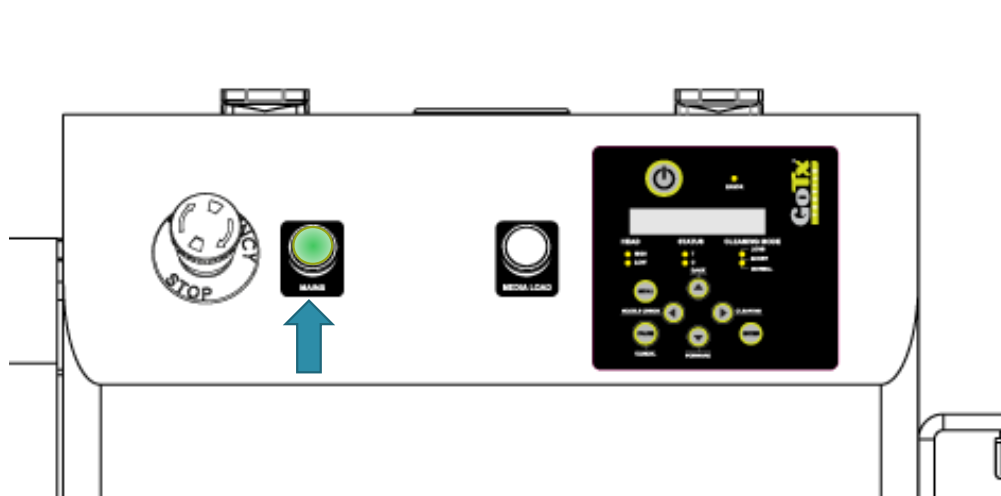
3.8.2 Setting Roll Media

This section explains how to set the roll media

Follow the procedure below to set the roll media.

NOTE

- *It is not necessary to have the printer unit turned ON to set the Roll media, however the mains power must be connected and turned on. The Mains indicator lamp should be illuminated (Green).*

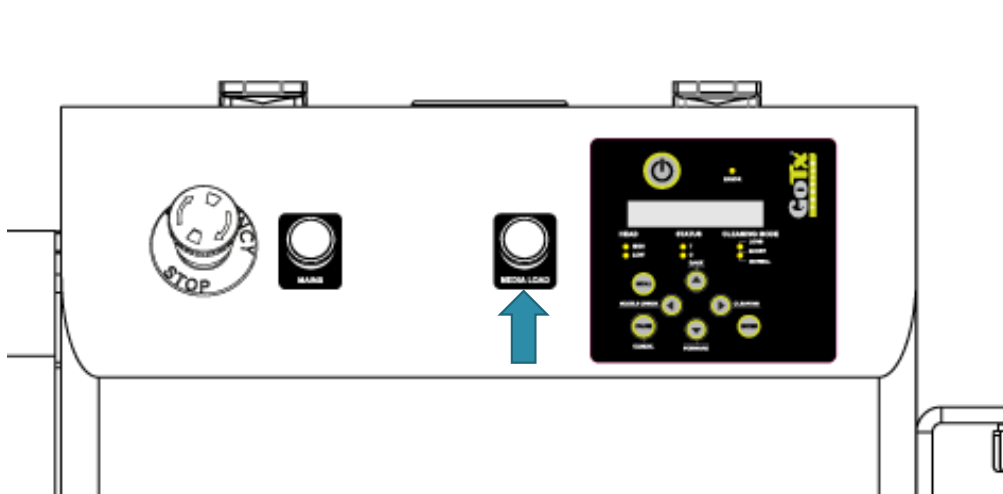


- *Ensure that the mains power switch is turned ON and that the emergency stop switches are not engaged.*

3.5 Power Connection

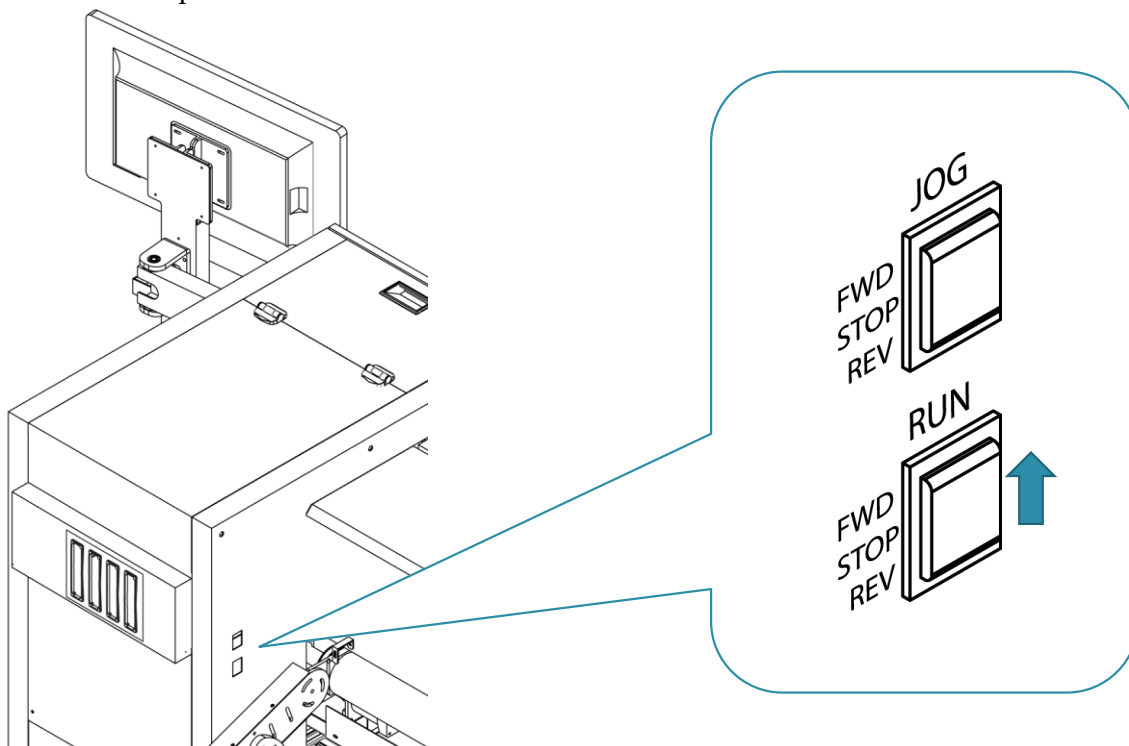
 NOTE

- If the printer unit is turned ON, ensure that the [Media Load] indicator lamp is not illuminated – press the [Media Load] button to set the status to unloaded (indicator lamp OFF).



1. At the left rear of the printer, switch the [Run] button to FWD (forward).

- This will activate the motor on the Feed assembly to enable the media to unwind so that it can be positioned over the Roto-Trak media feed rollers.

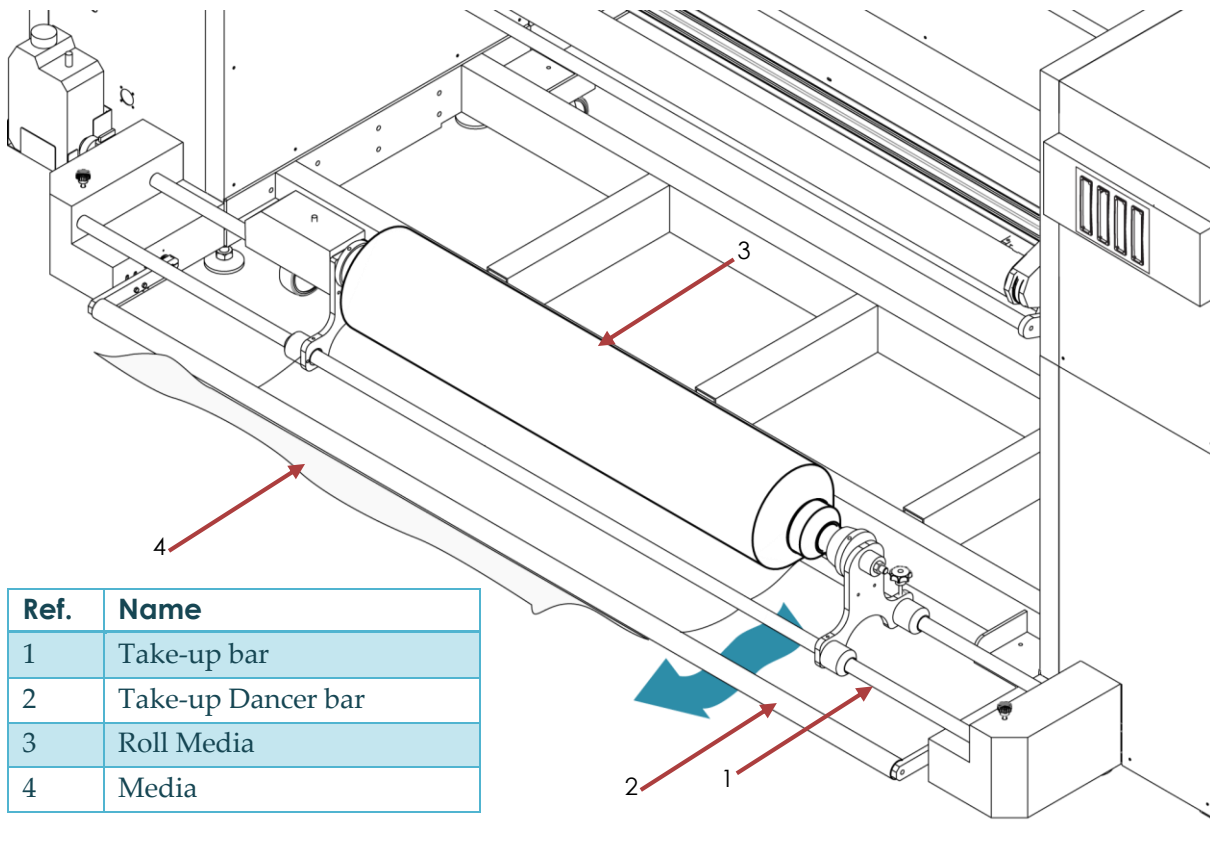


3.8 Loading Media

 NOTE

- The motor on the Feed Assembly will only run if the inbuilt sensors in the assembly determine that there is excessive tension in the web path of the media. The motor will then run to release media from the roll, thereby decreasing the tension in the web path. During printing, as media is pulled through the media feed rollers, tension in the take-up web path will increase, the motor will activate to roll the media roll to release media from the roll until the correct tension is achieved. The motor will then stop. This cycle is repeated throughout the print process.

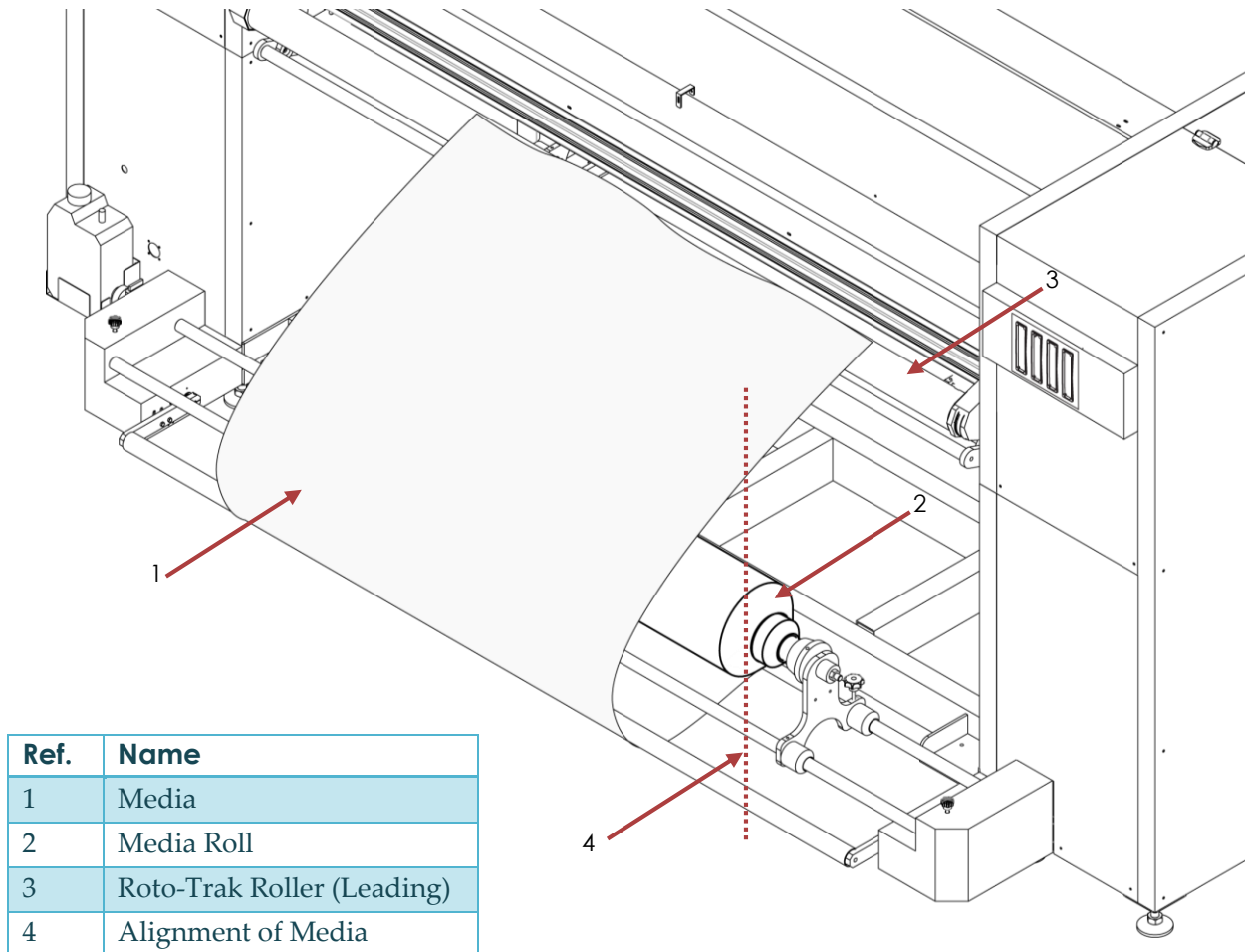
2. Grasp the free end of the media and pass it beneath the outer-most Feed bar and beneath the Feed Dancer bar.



3. Using your foot, lift the Feed dancer bar.

- this will simulate excessive tension on the media, allowing the Feed motor to Run – which will in turn rotate the media roll, freeing media from the roll to allow it to be passed to the Roto-Trak media feed rollers.
- Release the Take-up Dancer Bar when sufficient media has been released from the media roll. The released length of media should be sufficient to be passed up from under the Feed Dancer bar to the Roto-Trak Rollers.

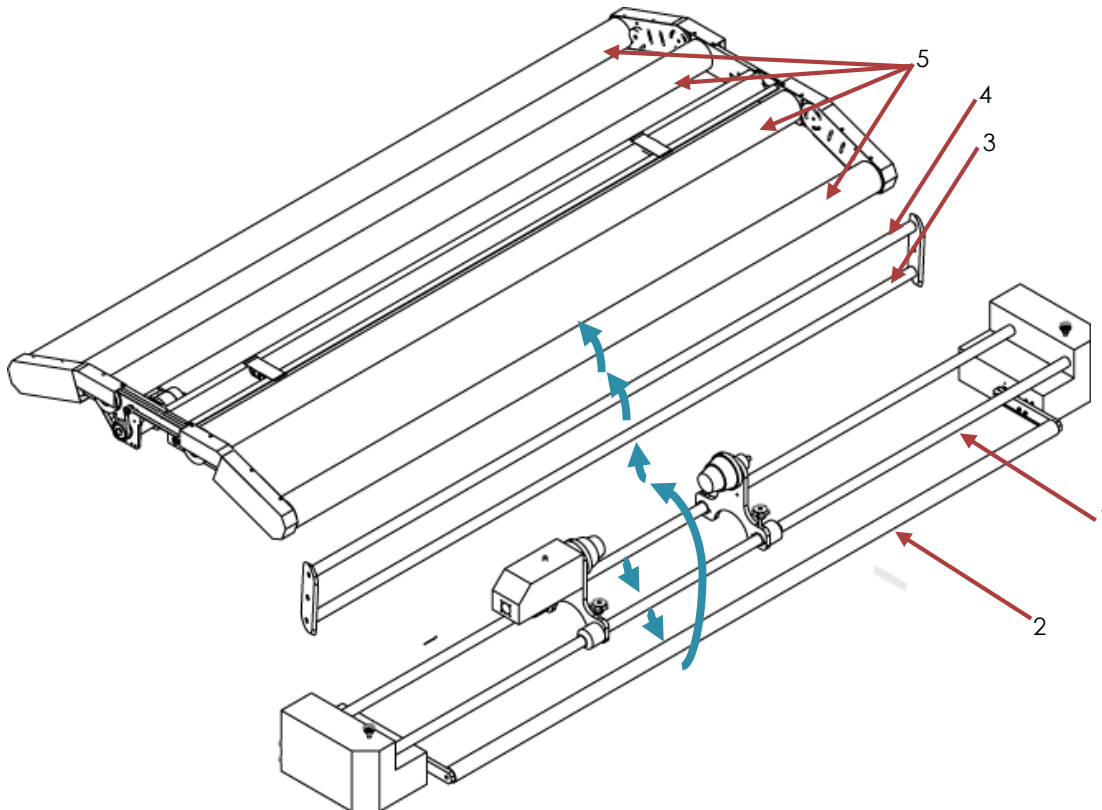
4. Ensure the web path of the media from the media roll to the media feed rollers is smooth and wrinkle free. Align the edge of the media on the Roto-Trak leading roller vertically with the edge of the media on the media roll.



3.8 Loading Media

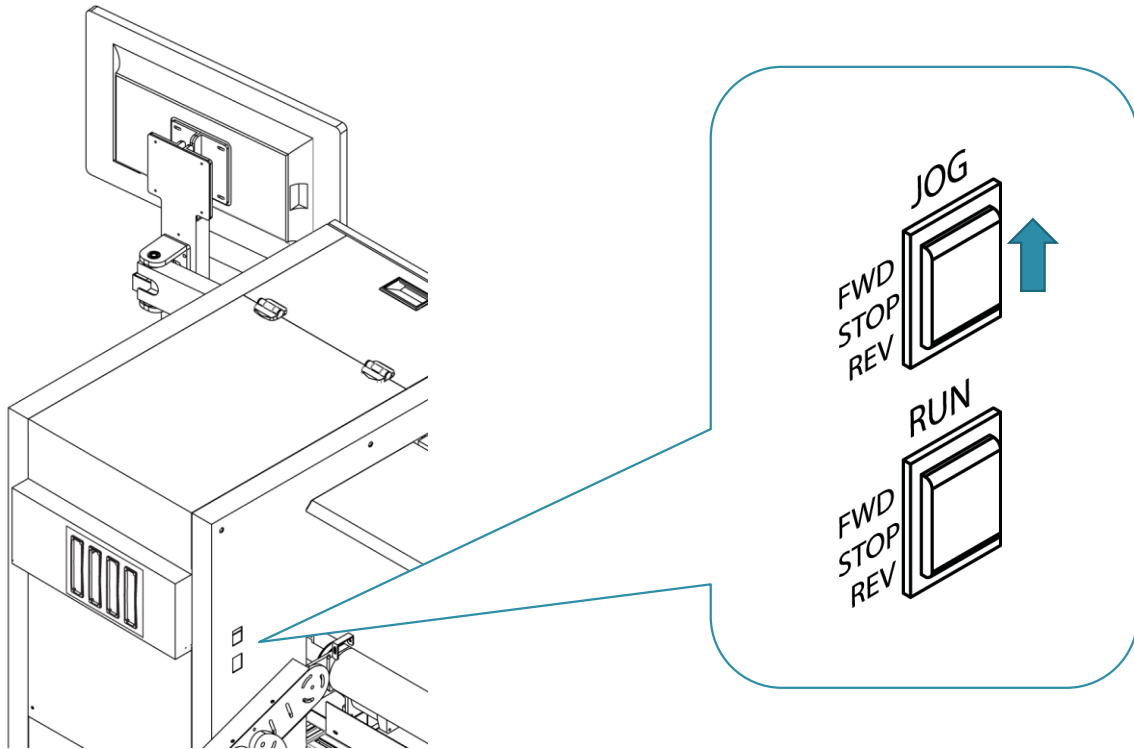
**NOTE**

- In some instances, it may be beneficial to include the Snake Bars in the media web. These bars, located directly beneath the Roto-Trak leading roller, can be adjusted to increase or decrease the angle of the web, creating greater or lesser resistance to the media. This can aid in keeping the media smooth and wrinkle free when passing over the Roto-Trak Rollers. It is recommended to use the Snake Bars for (in particular) lighter weight or higher stretch fabrics.



Ref.	Name	Media Web direction
1	Feed bar	Under
2	Feed Dancer bar	Under
3	Snake bar (lower)	Under
4	Snake bar (upper)	Over
5	Roto-Trak Rollers	Over

5. Smooth the media over the Roto-Trak Rollers, be sure to maintain the edge alignment with the edge of the Media Roll.
 - This will help to ensure that the media feeds straight through the printer.
6. Press the [Jog] button at the rear left of the printer to the FWD (Forward) position.
 - This will activate the motor that drives the Roto-Trak Rollers and should start guiding the media through the printer.

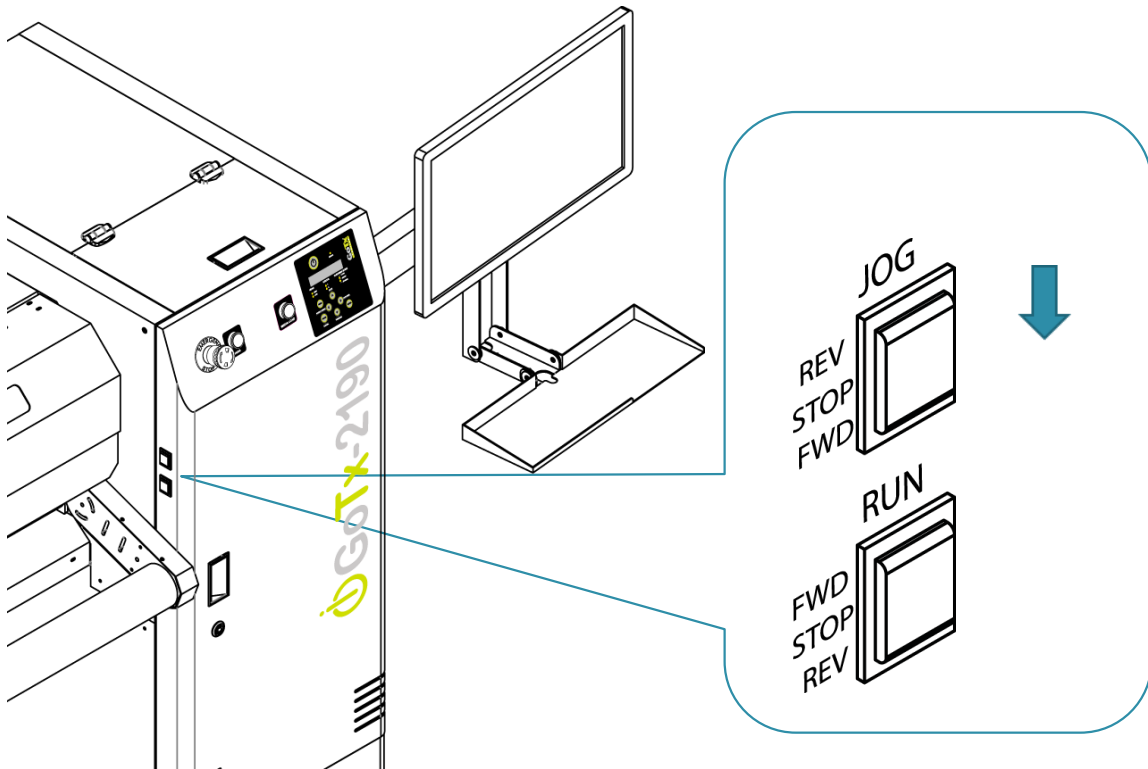


 NOTE

- *The [Jog] switch is a momentary switch – that is, it is only activated whilst being pressed, once the switch is released, it is no longer active.*
-

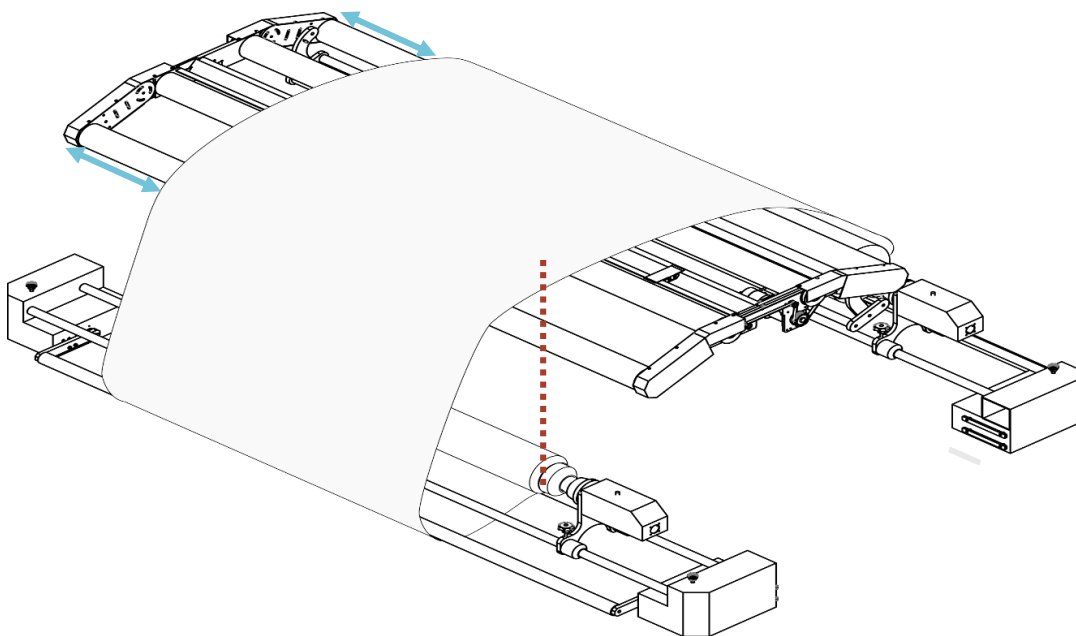
7. Using the [Jog] switch to drive the media, guide the media through towards the Roto-Trak Rollers at the front of the printer.
8. Move to the front of the printer.

9. Press the [Jog] button at the front right of the printer to the FWD (Forward) position to again drive more media over the Roto-Trak Rollers.

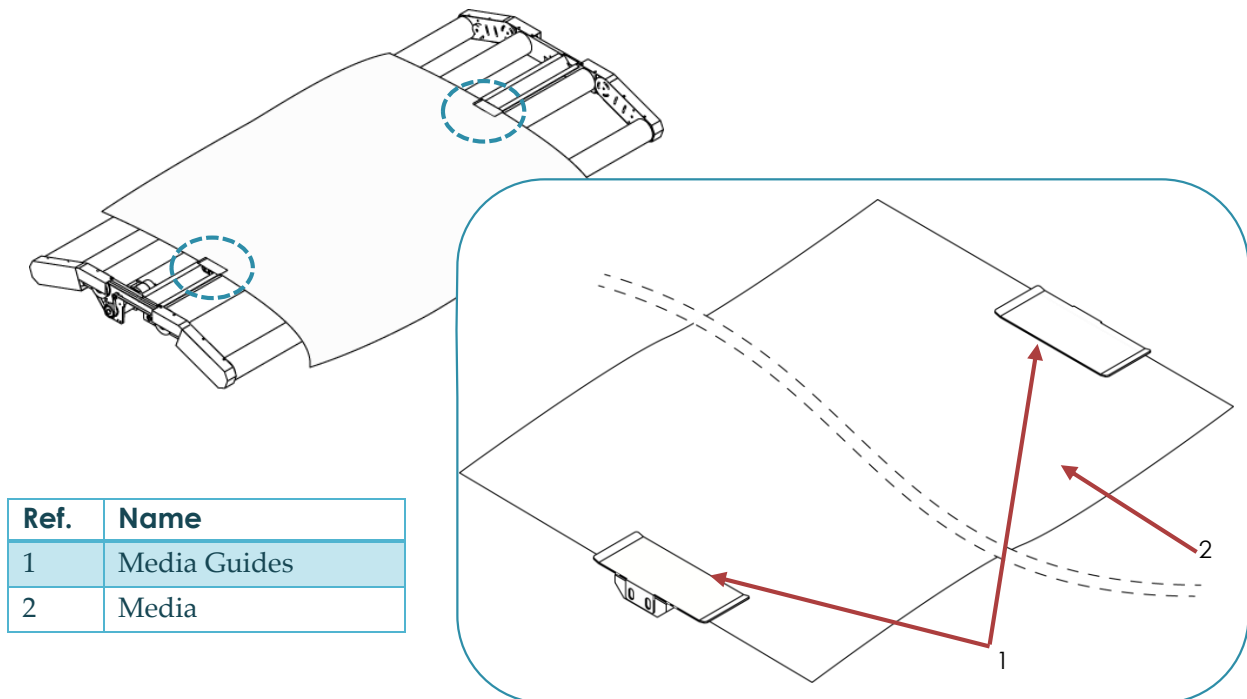


10. Manually smooth the media over the front Roto-Trak Rollers, ensuring that it is still aligned with the Media Roll.

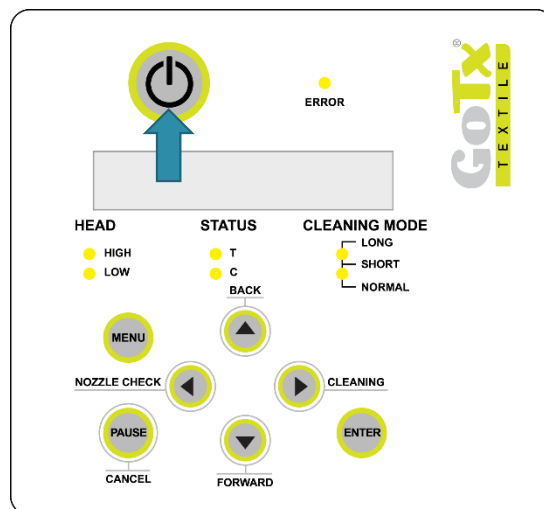
- Ensure positioning of the media on the front Roto-Trak Rollers is in alignment with the positioning of the media on the rear Roto-Trak rollers and with the edge of the take-up media roll.



11. Place the media guides at the media edges in the centre of the Roto-Trak assembly (slip the edge of the media to the centre channel of the media guide).

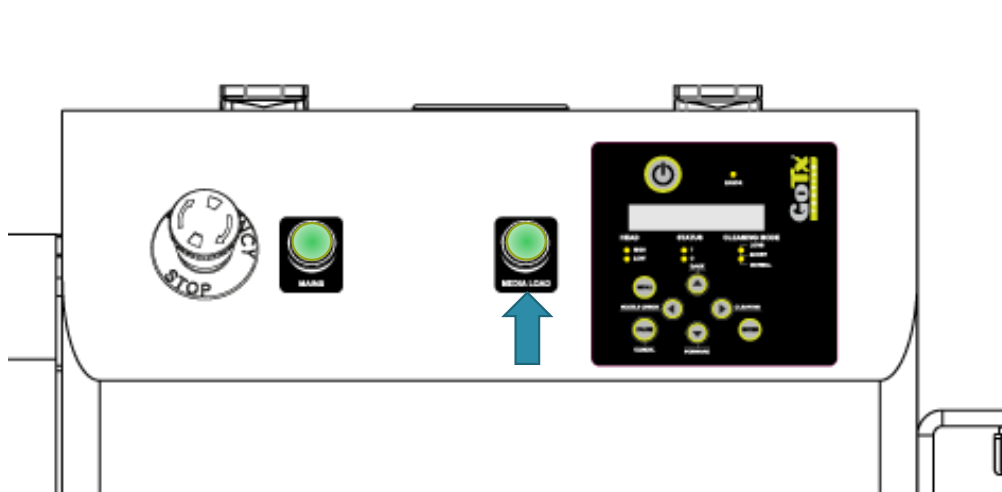


12. If the printer unit is turned off, turn the printer ON.



- The printer will start the initialisation operation.
- When initialisation is complete, **Lever Up** is displayed on the Operation panel.

13. Press the [Media Load] button.



- The Media Load indicator lamp will illuminate green.
- The Printer Unit now recognises that media is loaded and set.
- The printer Operation panel will enter the User Type Setting menu.

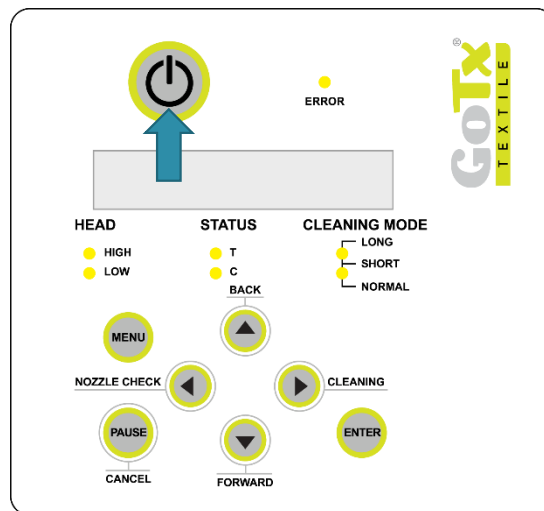
3.8.3 Setting the User Type Setting

The User Type Setting is a way to store settings specific to a particular type of media, for recall and use whenever that particular media is used.

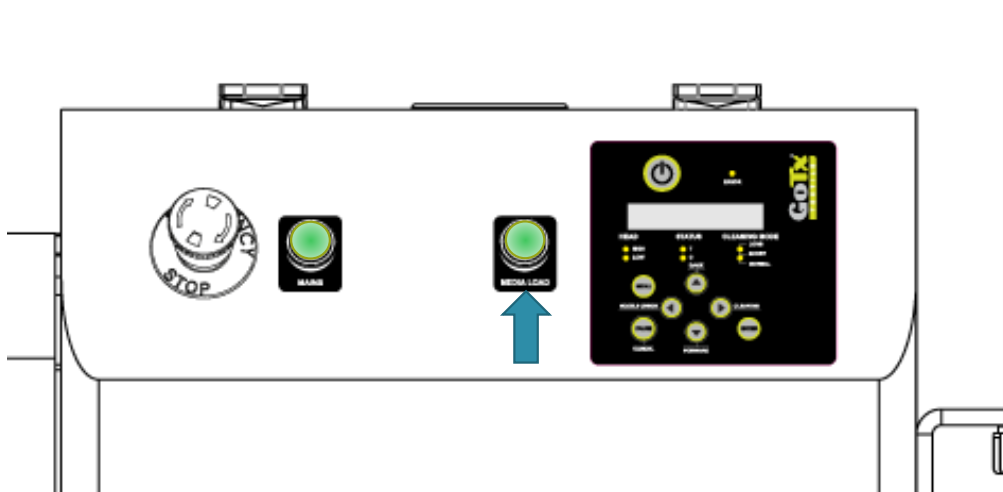
This section explains how to set the user type setting

Follow the procedure below to set the user type setting.

1. Ensure that the media is correctly loaded & set.
2. Turn ON the printer unit.



3. Press the [Media Load] button to indicate to the Printer Unit that the media is correctly loaded and set.



- After loading the media, the printer enters the User Type Setting menu and displays User: Type 1 OK?

i TIP

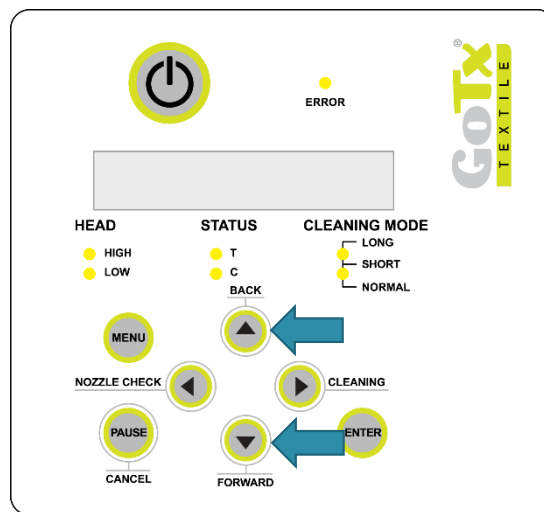
- Refer to the following for loading and setting the media.

3.8 Loading Media

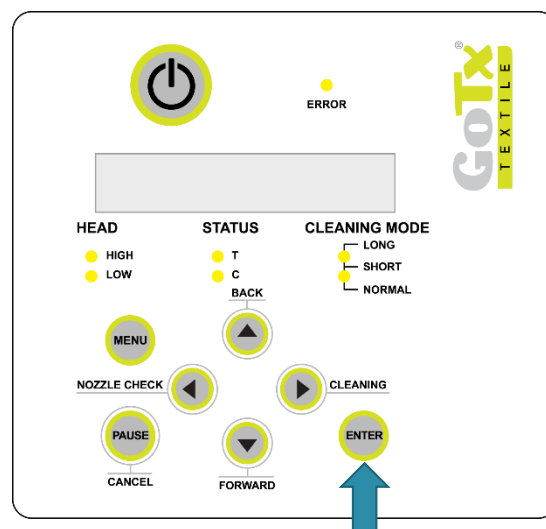
- Refer to the following for details on the User Type Setting menu to establish User Type Settings for your media type.

5.1.1 User Type menu

4. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through and select the User Type Setting required.



5. Press the [Enter] key on the Operation panel.



- The selected user type setting is set
- Media Initial is displayed on the Operation panel and media initialisation starts.

NOTE

- If the following operations are performed in the User Type Setting menu, the printer will start the media initial operation using the default User Type setting (User Type 1):
 - Pressing the [Cancel] key on the Operation panel.
 - No keys on the Operation panel are pressed for ten seconds.
- After media initial operation is complete, Ready to Print is displayed on the Operation panel and the printer status shifts to Normal.
- Media set is complete.

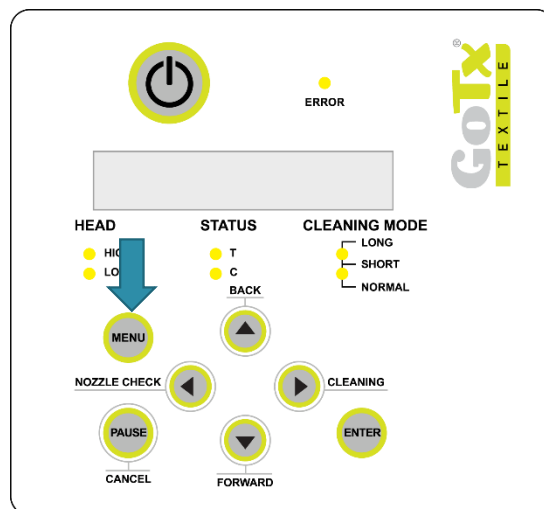
3.9 Test Print

Follow the procedure below to perform testing printing to confirm that the printer is printing correctly.

1. Turn ON the printer and load the roll media.

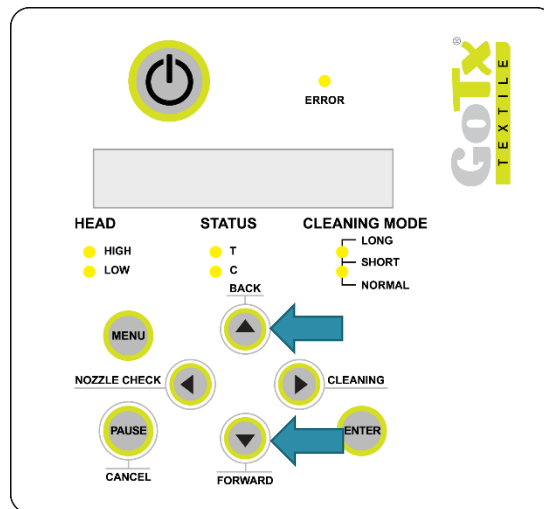
3.8.2 Setting Roll Media

2. Confirm that the printer is in the Normal status (Ready to Print should be displayed on the Operation panel).
3. Display the Test Print menu on the Operation panel.
 - a. Press the [Menu] key on the Operation panel.

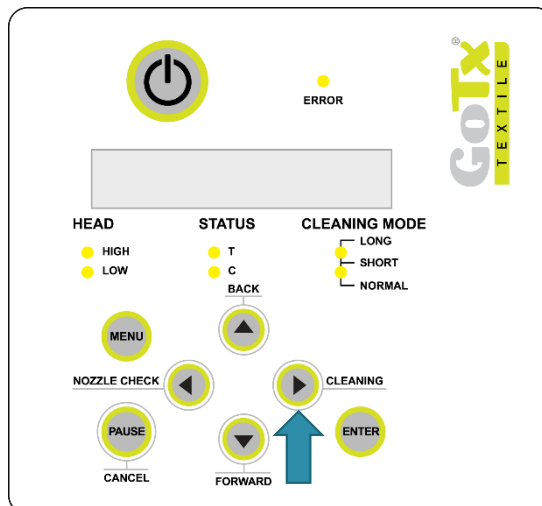


- Menu1: Setup> is displayed on the Operation panel.

- b. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select Menu2: Test Print.



- c. Press the [>] key on the Operation panel to move to the next hierarchy in the menu.

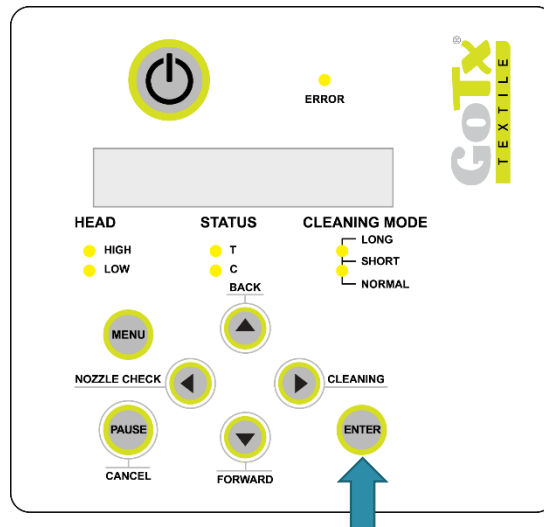


- Test1: Nozzle Check is displayed on the Operation panel.
 - The display shifts to the Test Print menu
- ☞ 5.2 Test Print Menu

4. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll and select from the options as follows:

- Nozzle Check
- Mode Print
- Setup List
- Head Alignment

- Press the [Enter] key on the Operation panel.



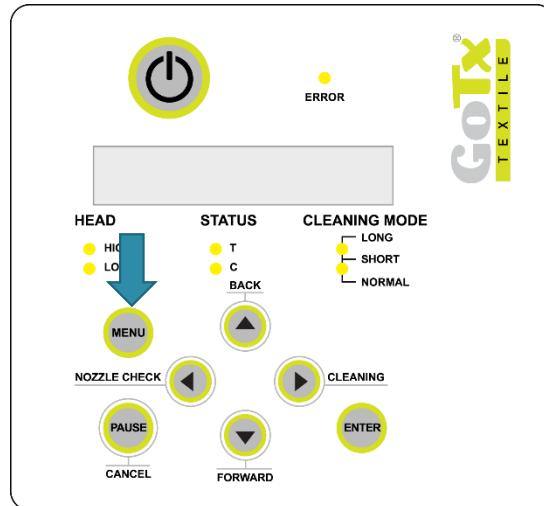
- Start performing Test Print for the selected item.

TIP

- Refer to the following for details on each of the print list items.
-  3.9.2 Nozzle Check
-  **Error! Reference source not found. Error! Reference source not found.**
-  **Error! Reference source not found. Error! Reference source not found.**
-  0

Head alignment

6. Repeat step 4 to step 5 to perform other test print items.
7. Press the [Menu] key on the Operation panel to exit from test print.



- Operation panel returns to Normal
- The test printing procedure is complete.

3.9.2 Nozzle Check

The Nozzle Check is used to determine if there are any clogged heads, or missing / blurred nozzle prints.

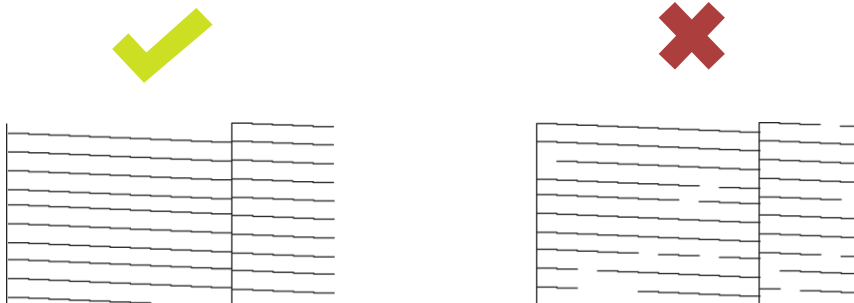


NOTE

- If the nozzle check printed result shows that the checked points are blurred or missing, perform head cleaning.



6.2.3 Head Cleaning



Perform a nozzle check once again at the end of the print run / work day.



TIP

Refer to the following for the printing procedure.



3.9 Test Print

3.9.3 Mode Print

Mode print is used to confirm the following printing conditions.

- Print Mode
- Effect
- Media feed compensation micro adjustment value



TIP

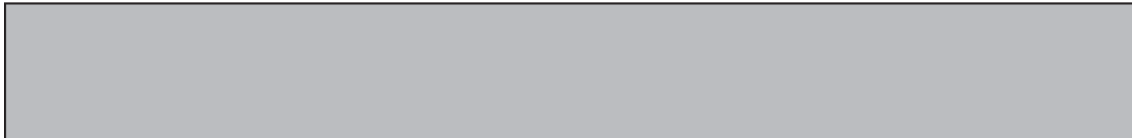
Refer to the following for the printing procedure.



3.9 Test Print

Sample Mode Print test print:

2015/01/01 0:00 G2(720x1080 6Pass Bi)-Fine&Fog /PF Adjust:0.00%



3.9.4 Setup print

The Setup print is used to check the current setup of the printer.



NOTE

- *Keep the Setup print output on file for future reference.*



TIP

Refer to the following for the printing procedure.



3.9 Test Print

The illustrations used in this section are print samples of the GoTx-2190

Setup List

<Information>

Serial No.	= XXXXXXXXXX	Error!
Model	= VJ-163XX	0: None []
Memory Size	= 384MB	2: None []
		4: None []
		1: None []
		3: None []
		5: None []

2015/01/01 0:00

Head Height : Low
Cleaning Mode: Normal

<Menu Setup>

[Number][Select]Menu = Setup [1][*]User Type = Type 1 [11]Print Mode = Quality 1(Effect = Fine&Fog) [2]Adjust Print = Off [3]PF Adjust = Off [1]Initial Adj.Print = 250.0/250mm [2]Initial Adjust = 250.0/250mm [3]Confirm Adj.Print = 250.0/250mm [4]Micro Adj. Print = 0.00% [5]Micro Adjust = 0.00% [4]PreHeater = 30°C [5]PlaterHeater = 30°C [6]Dryer = 30°C [7]Vacuum Fan = High [2][*]Spitting = On/Pass Count = 1cnt [3][*]Side Margin = 5mm [4][*]Media Initial = Width [5][*]Media Width = 1000mm [6][*]Output Mode = Off/InkDryerTimer= 0sec [7][*]Method of Out = SingleOut-Steps [8][*]Origin = Off [9][*]Prevent Stick = Off [10][*]Standby Heating = 60min [11][*]Head Travel = Data [12][*]Multi Strike = 1cnt [13][*]Strike Wait = 0.0sec [14][*]Media Slant = On	[Number][Select]Menu = Setup [15][*]Auto Cleaning = 360min WaitingTime = 360min PrintingTime = Off Before Print = Off [16][*]Ink Status = Smart/Chip K&C N&Y / / / / / / / / [17][*]Roll Kind = Off [18][*]Exhaust Fan = Low [19][*]Longstore = Off [20][*]SR Maintenance = Off [21][*]Initialization = Off [22][*]Life Times Head1 = E*****F Head2 = E*****F Pump1 = E*****F Pump2 = E*****F RF Motor = E*****F PF Motor = E*****F [23][*]IP Address = 192.168.001.253 [23][*]Subnet Mask = 255.255.255.000 [24][*]Gateway = 192.168.001.254 SleepModeTimer = 0h Language = English Temperature = Celsius[°C] Length = mm
--	--

<User Type List>

User Type	Type 1	Type 2	Type 3	Type 4	Type 5
Print Mode	Graphics 2	Graphics 2	Graphics 2	Graphics 2	Graphics 2
Effect	A-S Fine&Wave	Fine&Fuzz	Fine&Fuzz	Graphics 2	Fine&Fuzz
PP:Initial Adjust	250. 0/250m	250. 0/250m	250. 0/250m	250. 0/250m	250. 0/250m
PP:Micro Adjust	0.00%	0.00%	0.00%	0.00%	0.00%
Prelheater	30°C	30°C	30°C	30°C	30°C
PlatenHeater	30°C	30°C	30°C	30°C	30°C
Dryer	30°C	30°C	30°C	30°C	30°C
Vacuum Fan	High	High	High	High	High
User Type	Type 6	Type 7	Type 8	Type 9	Type10
Print Mode	Graphics 2	Graphics 2	Graphics 2	Graphics 2	Graphics 2
Effect	Fine&Fuzz	Fine&Fuzz	Fine&Fuzz	Fine&Fuzz	Fine&Fuzz
PP:Initial Adjust	250. 0/250m	250. 0/250m	250. 0/250m	250. 0/250m	250. 0/250m
PP:Micro Adjust	0.00%	0.00%	0.00%	0.00%	0.00%
Prelheater	30°C	30°C	30°C	30°C	30°C
PlatenHeater	30°C	30°C	30°C	30°C	30°C
Dryer	30°C	30°C	30°C	30°C	30°C
Vacuum Fan	High	High	High	High	High
User Type	Type11	Type12	Type13	Type14	Type15
Print Mode	Graphics 2	Graphics 2	Graphics 2	Graphics 2	Graphics 2
Effect	Fine&Fuzz	Fine&Fuzz	Fine&Fuzz	Fine&Fuzz	Fine&Fuzz
PP:Initial Adjust	250. 0/250m	250. 0/250m	250. 0/250m	250. 0/250m	250. 0/250m
PP:Micro Adjust	0.00%	0.00%	0.00%	0.00%	0.00%
Prelheater	30°C	30°C	30°C	30°C	30°C
PlatenHeater	30°C	30°C	30°C	30°C	30°C
Dryer	30°C	30°C	30°C	30°C	30°C
Vacuum Fan	High	High	High	High	High

3.9.5 Head alignment

Use this test print to check for misalignment of the print head and then adjust it as necessary.

The adjustment methods for the GoTx-2190 / 2260 are as follows:

Adjustment method	Description	Reference
Standard	Adjusts only the print mode set by the current User Type	 Standard head alignment
Custom	Adjustment is performed for all print modes that can be set by the current User Type.	 Custom head alignment

NOTE

- *As the Head alignment is tied to the Print Mode, and Print Modes set in the printer are overridden / ignored when printing via the Computer RIP, there is no value to be gained by performing the Standard Head Alignment for the GoTx 2190 / 2260.*

The Standard Head Alignment settings are included here only for completeness

NOTE

- *Print quality may be improved by head alignment in the following situations:*
 - *Print quality is poor when using the uni-direction print mode*
 - *Print quality does not improve even after performing a print quality adjustment*
 3.10 Print Quality Adjustment
- *After performing a head alignment, make sure you perform the print quality adjustment, as the head alignment may cause misalignment in the print quality adjustment.*
 3.10 Print Quality Adjustment
- *When changing the print mode after performing the standard head alignment, make sure you adjust the print head alignment for the new print mode.*
- *As all print modes are adjusted at once when performing the Custom head adjustment, it is not necessary to make another head alignment after changing the print mode.*

 NOTE

- It is recommended to perform the Print Quality Adjustments for each User Type Setting, where each User Type Setting relates to a specific media.
- When creating a new User Type Setting or changing a User Type Setting, perform the Print Quality Adjustment.

3.9.5.1 Custom head alignment

Perform adjustment for A to F patterns

All print modes will be adjusted.

This menu consists of the following menus.

Adjustment	Description	Reference
Fine Ptn. ALL	Print out the confirmation patterns A to F, and then adjust all patterns.	-
Fine PatternX	Select one of the confirmation patterns A to F	-

Adjustment Method

1. Perform "Fine Ptn. ALL" to check all patterns, and perform adjustment if it is misaligned.
2. Perform "Fine PatternX" for the pattern that was adjusted in step 1 to check if it is adjusted, and perform adjustment if it is misaligned.

 NOTE

- When you have adjusted most of the patterns in step 1, perform "Adjust ALL" in step 2 as well to check and perform adjustment.

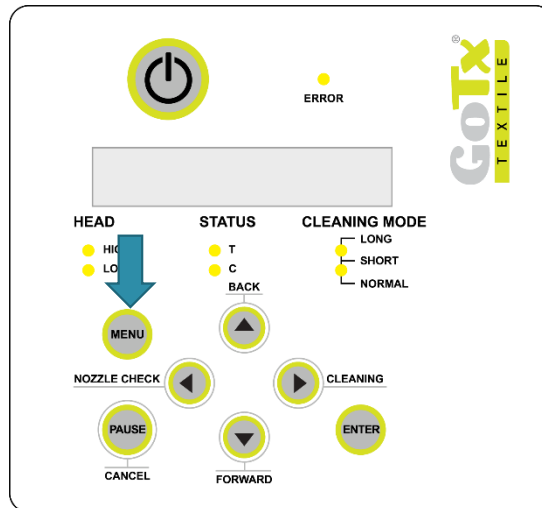
Follow the procedure below to perform adjustment.

1. Turn ON the printer and load the roll media.

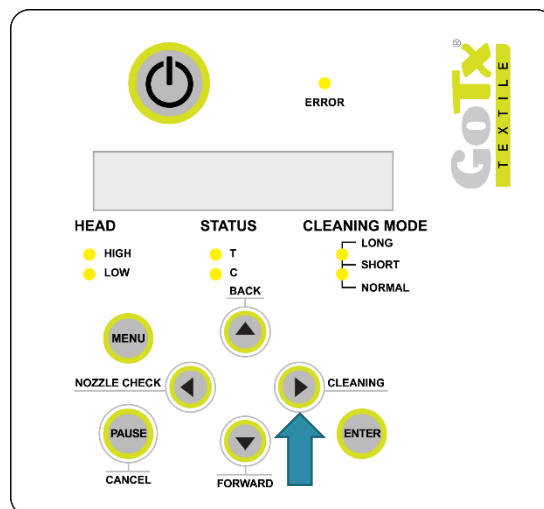
 3.8.2 Setting Roll Media

2. Display the Adjust adjustment menu on the Operation panel.

- a. Press the [Menu] key on Operation panel.



- Menu 1: Setup> is displayed on the operation panel.
- b. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select Menu2: Test Print.
 - c. Press the [>] key on the Operation panel to move to the next hierarchy in the menu.

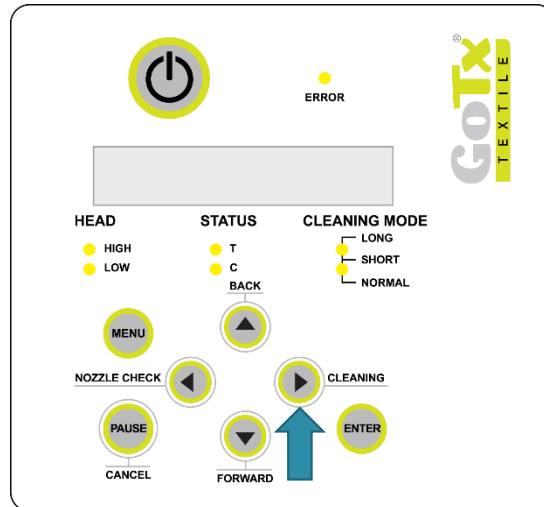


- Test1: Nozzle Check is displayed on the Operation panel.
- The display shifts to the Test Print menu

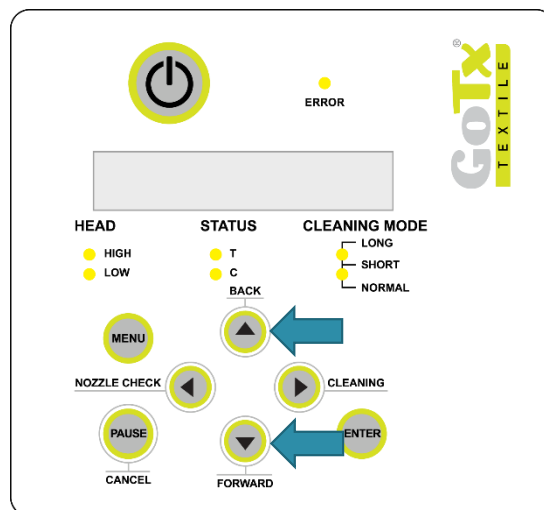
5.2 Test Print Menu

3.9 Test Print

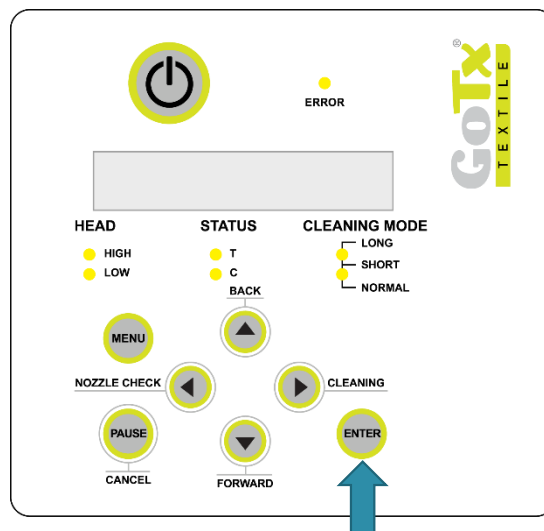
- d. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll and select Test6: HeadAdjust>.
- e. Press the [>] key on the Operation panel.



- HeadAdj.1: Standard is displayed on the Operation panel.
- f. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll and select HeadAdj. 2:Custom.



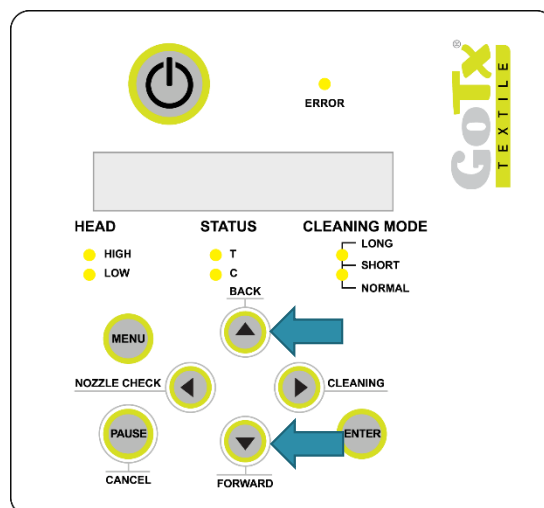
3. Press the [Enter] key on the Operation panel.



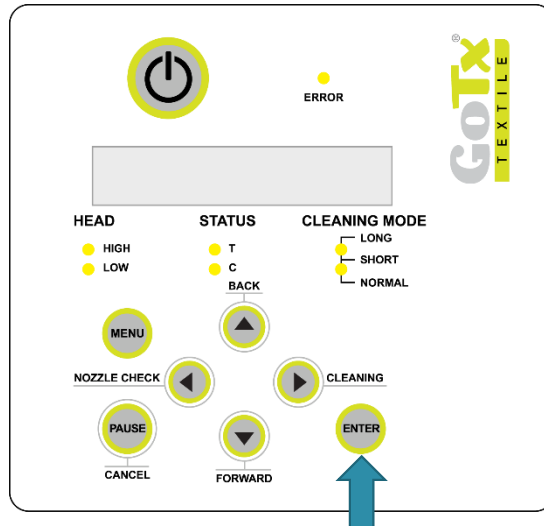
- Fine Ptn. ALL is displayed on the Operation panel.

4. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll and select the pattern to be adjusted

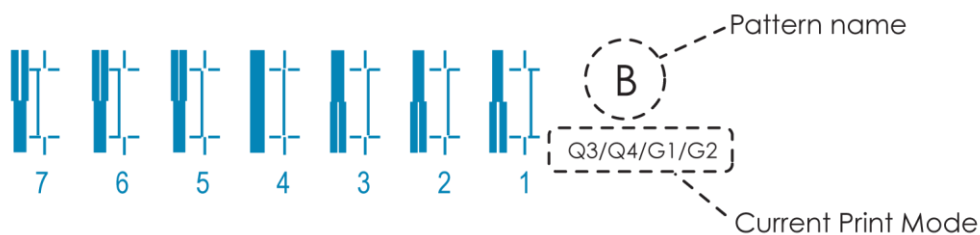
- Select Adj.1: AdjustALL when adjusting all patterns.
- When adjusting a particular pattern, select one from Adj.2: AdjustPatternA to F.



5. Press the [Enter] key on Operation panel.

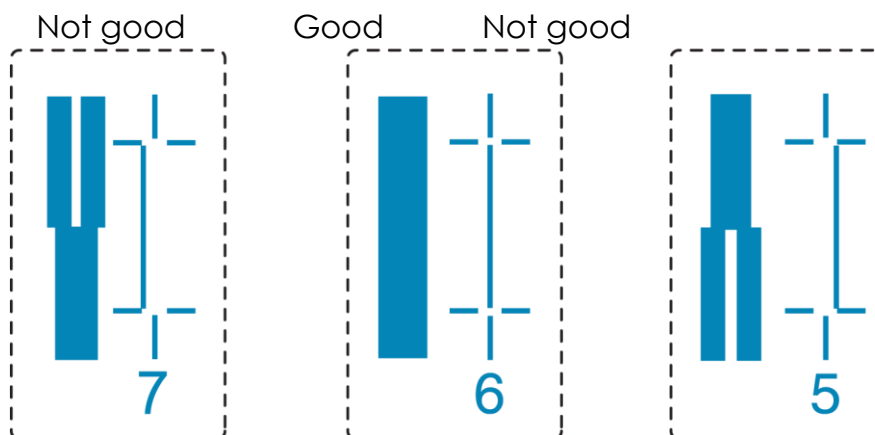


- Starts micro adjustment printing.
- When "AdjustALL" is selected, six micro adjustment patterns A to F will be printed.
- When you have selected one of "Adjustment Pattern A" to "Adjustment Pattern F", the micro adjustment pattern for the selected pattern is printed.



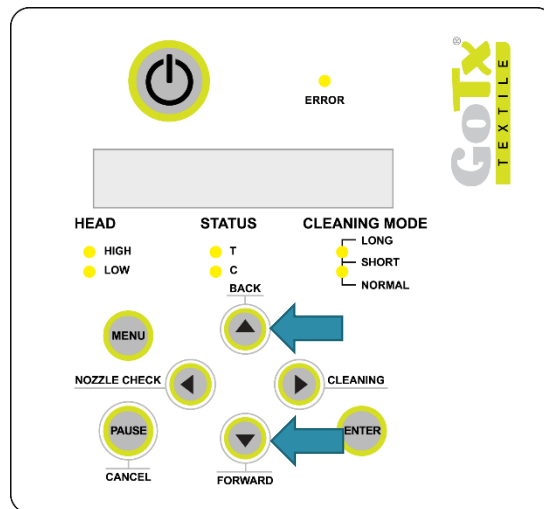
6. Select the most aligned number from 1 to 7.

- In the following sample, 6 would be selected as the blocks are most aligned, and the cross pattern is most centred.



7. Pattern*: 4 is displayed on the Operation panel, where * represents the pattern name that has been printed, and 4 represents the current setting value.

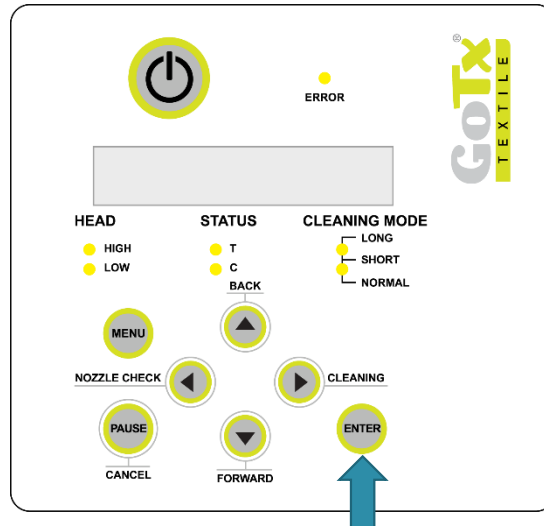
8. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to enter the number that you selected from the confirmation pattern in Step 6



NOTE

- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to HeadAdj. 1: Standard.

9. Press the [Enter] key on the Operation panel.



- The setting value is fixed.
- When you have selected "AdjustALL" in step 4, Pattern*: 4 (where * represents the next pattern name that has been printed, and 4 represents the current setting value) is displayed on the Operation panel. Check the print result of the relevant pattern, and set the number that is most aligned in the same way as steps 6 to 9. Once the settings for A to F have been completed, Adj. 1: AdjustALL is displayed on the Operation panel
- When you have selected one only of Adjustment Pattern A to Adjustment Pattern F, Adj. 1: AdjustALL is displayed on the Operation panel.

3.9.5.2 Standard head alignment

Adjustment is performed only for the print mode set by the current User Type.



NOTE

- As the Head alignment is tied to the Print Mode, and Print Modes set in the printer are overridden / ignored when printing via the Computer RIP, there is no value to be gained by performing the Standard Head Alignment for the GoTx 2190 / 2260.

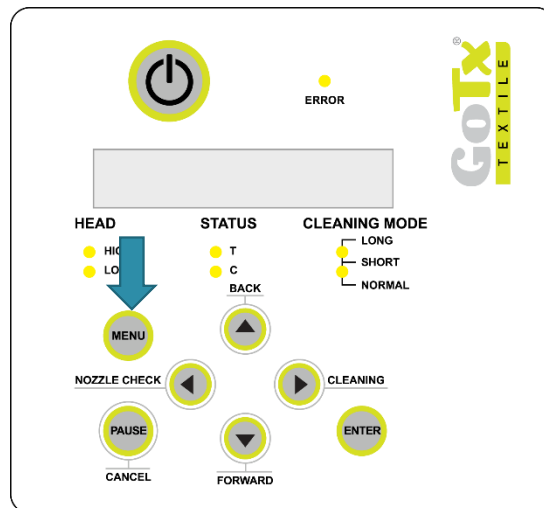
The Standard Head Alignment settings are included here only for completeness

- Turn ON the printer and load the roll media.



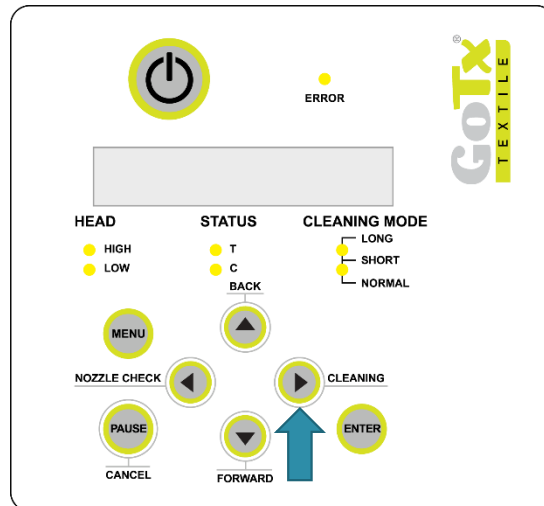
3.8.2 Setting Roll Media

- Display the Micro adjustment menu on the Operation panel.
 - Press the [Menu] key on the Operation panel.



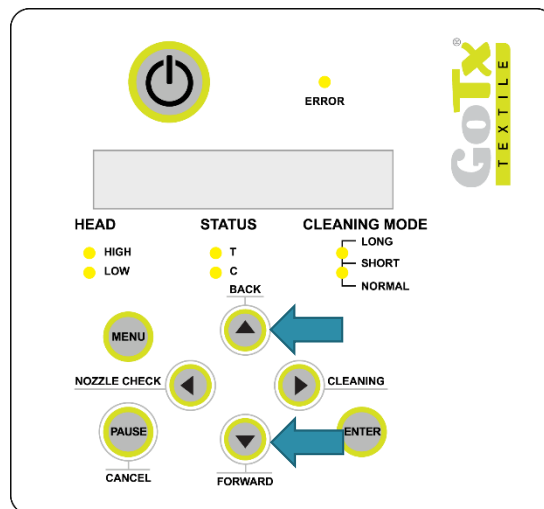
- Menu 1: Setup> is displayed on the operation panel.
 - Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select Menu2: Test Print.

- c. Press the [>] key on the Operation panel to move to the next hierarchy in the menu.



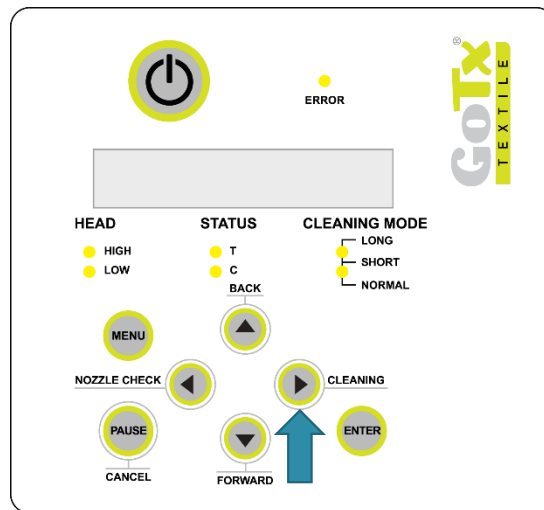
- Test1: Nozzle Check is displayed on the Operation panel.
- The display shifts to the Test Print menu

5.2 Test Print Menu

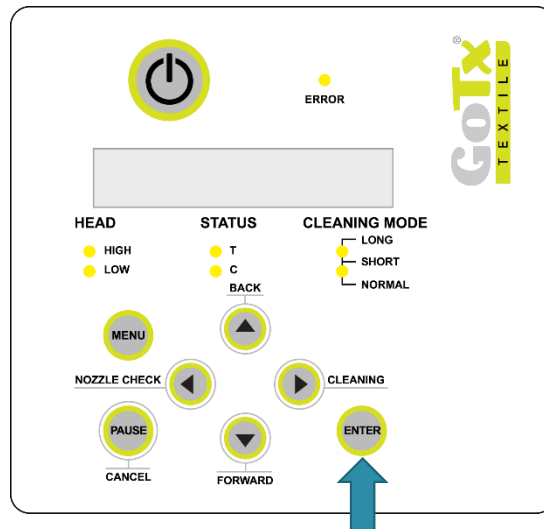


- d. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll and select Test6: HeadAdjust>.

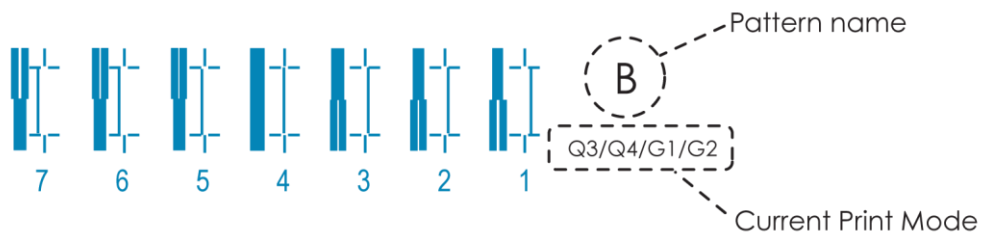
- e. Press the [>] key on the Operation panel.



- HeadAdj.1: Standard is displayed on the Operation panel.
3. Press the [Enter] key on the Operation panel.



- Starts micro adjustment printing.
- The confirmation pattern will be printed.



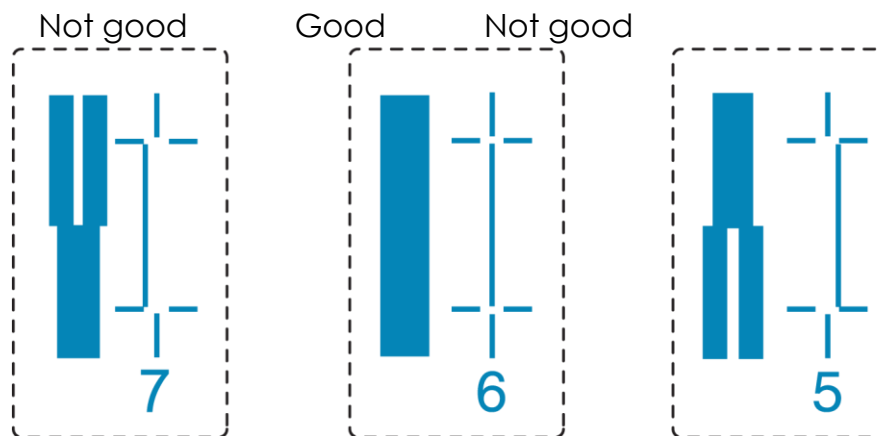
3.9 Test Print

 NOTE

- One of micro adjustment patterns A to C is printed, depending on the print mode set in the current user type settings.

4. Select the most aligned number from 1 to 7.

- In the following sample, 6 would be selected as the blocks are most aligned, and the cross pattern is most centred.



5. Pattern*: 4 is displayed on the Operation panel, where * represents the pattern name that has been printed, and 4 represents the current setting value.

- The pattern name indicated by * differs depending on the set print mode. Print modes and corresponding pattern names are listed as follows.

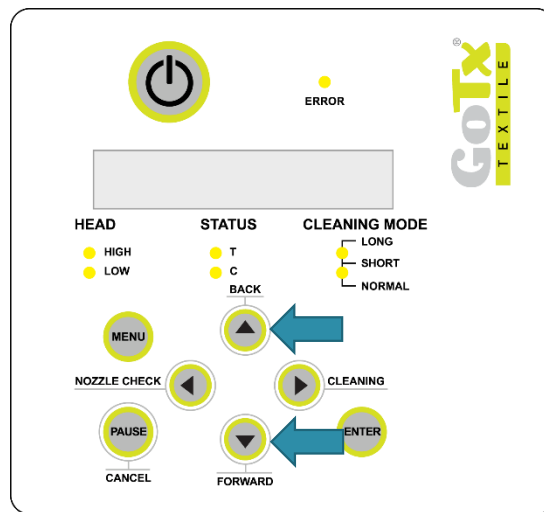
Print mode	Pattern name
Quality 1, 2	C
Quality 3, 4	B
Graphics 1, 2	B
Banner 1, 2	A
Banner 3, 4	A

 NOTE

- Refer to the following for Print mode

 5.1.1.1.1. Print Mode Menu

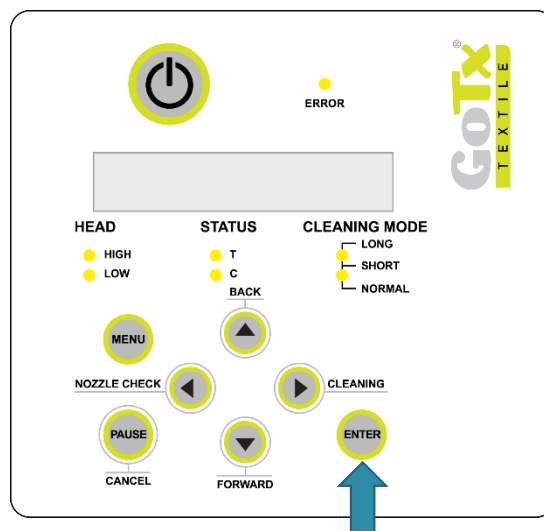
6. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to enter the number that you selected from the confirmation pattern in Step 4.



NOTE

- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to HeadAdj.1: Standard.

7. Press the [Enter] key on the Operation panel.



- The setting value is fixed.
- HeadAdj.1: Standard is displayed on the Operation panel.

3.10 Print Quality Adjustment

The Print quality adjustment is used for optimizing the quality of image prints.

Adjustment methods for this printer are as follows.

Adjustment method	Description	Reference
Standard	Adjusts only the print mode set by the current User Type	 3.10.2 Standard print quality adjustment
Custom	Adjustment is performed for all print modes that can be set by the current User Type.	 3.10.1 Custom print quality adjustment



NOTE

- *As the Print quality adjustment is tied to the Print Mode, and Print Modes set in the printer are overridden / ignored when printing via the Computer RIP, there is no value to be gained by performing the Standard Print quality adjustment for the GoTx 2190 / 2260.*

The Standard Print Quality adjustment settings are included here only for completeness



NOTE

- *If you create a new user type setting, or change a user type setting after adjustment the Standard adjust print, make sure to make the Print quality adjustment again.*
- *If you change the print mode after performing a standard head alignment, make sure to make the Print quality adjustment also.*
- *As all print modes are adjusted at once when performing the Custom Print quality adjustment, it is not necessary to make another Print quality adjustment after changing the print mode.*
- *When using the computer RIP for sending print jobs to the printer, perform the Custom head adjustment and check all patterns (A to F), and then adjust any patterns that are misaligned beforehand.*
- *Print quality may be improved by a Head alignment in the following situations:
For adjustment procedure, see 0*

Head alignment

- *Print quality is poor when using the uni-direction print mode*
 5.1.1.1.1 Print Mode Menu
- *Print quality does not improve even after performing a print quality adjustment*
- *After performing a head alignment, make sure you perform the print quality adjustment, as the head alignment may cause misalignment in the print quality adjustment.*

3.10.1 Custom print quality adjustment

Perform adjustment for all patterns (A to F).

All print modes will be adjusted.

This menu consists of the following menus.

Menu name		Description	Reference
Custom confirmation pattern		Print out the confirmation patterns (A to F) and check the degree of misalignment.	 3.10.1.1 Custom confirmation pattern
Custom rough adjustment pattern	Rough PatternALL	Perform this when the degree of misalignment is large. All confirmation patterns (A to F) will be adjusted.	 3.10.1.2.2 Rough Pattern ALL
	Individual Rough Adj. pattern	Perform this when the degree of misalignment is large. One of the confirmation patterns (A to F) will be adjusted.	 3.10.1.2.3 Rough Pattern A to F
Custom micro adjustment pattern	Adj. PatternALL	Perform this when the degree of misalignment is small. All confirmation patterns (A to F) will be adjusted.	 3.10.1.3.4 Fine Pattern ALL
	Individual Adj. pattern	Perform this when the degree of misalignment is small. One of the confirmation patterns (A to F) will be adjusted.	 3.10.1.3.5 Fine Pattern A to F

Follow the procedure below to perform adjustment.

1. Print out the confirmation pattern and check the degree of misalignment.
 3.10.1.1 Custom confirmation pattern
2. Perform rough adjustment when the degree of misalignment is large.
 3.10.1.2.2 Rough Pattern ALL
3. Perform micro adjustment when the degree of misalignment is small.

3.10 Print Quality Adjustment

 3.10.1.3.4 Fine Pattern ALL

NOTE

- Perform rough adjustment first when the degree of misalignment is difficult to determine.
- Perform adjustment for A to F patterns if they are misaligned.

4. Print out the confirmation pattern again and check if the printer has been adjusted properly.

3.10.1.1 Custom confirmation pattern

5. If the adjustment is not yet accurate, return to Step 2.

NOTE

- Perform micro adjustment if the printer is not fully adjusted after rough adjustment.
- In adjustment patterns, you can choose from Adjust pattern ALL where all patterns will be adjusted and Individual Adj. pattern where the patterns A to F can be adjusted individually.

3.10.1.1 Custom confirmation pattern

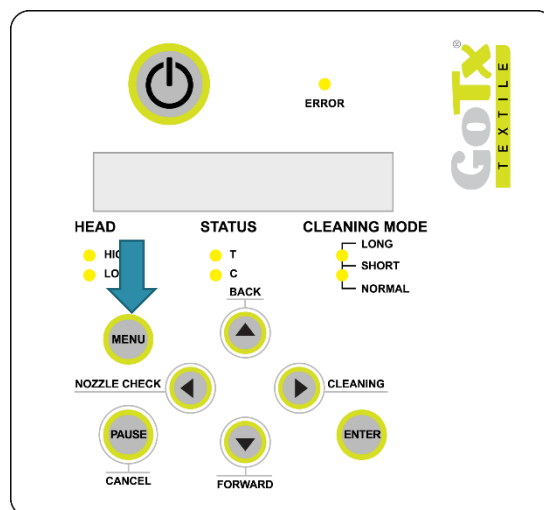
Using this menu, you can print out all of the confirmation patterns (A to F) and check the degree of misalignment.

1. Turn ON the printer and load the roll media.

3.8.2 Setting Roll Media

2. Display the Adjust Print menu on the Operation panel.

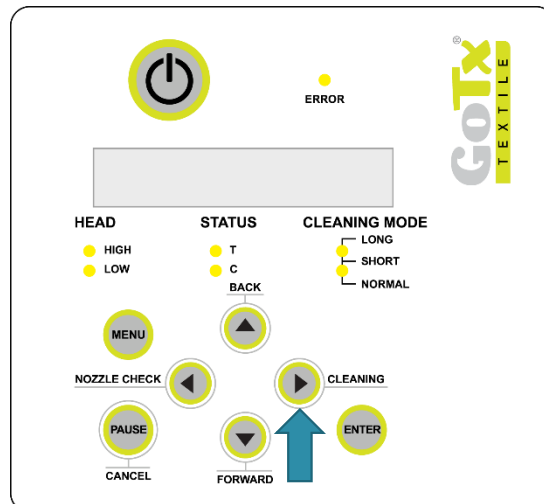
a. Press the [Menu] key on Operation panel.



- Menu1: Setup> is displayed on the Operation panel
- The operation panel shifts to the Setup menu display.

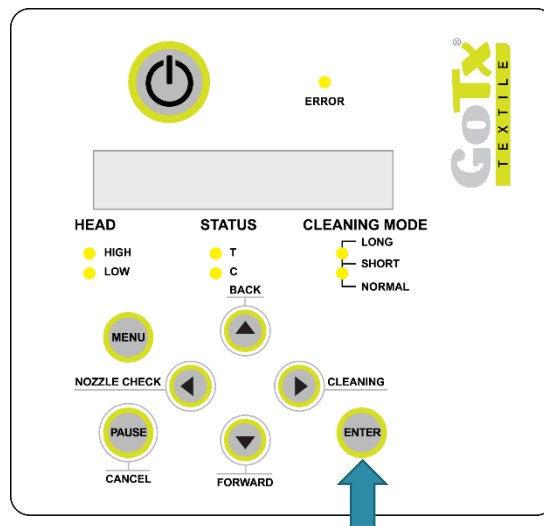
3.10 Print Quality Adjustment

- b. Press the [>] key on the Operation panel.



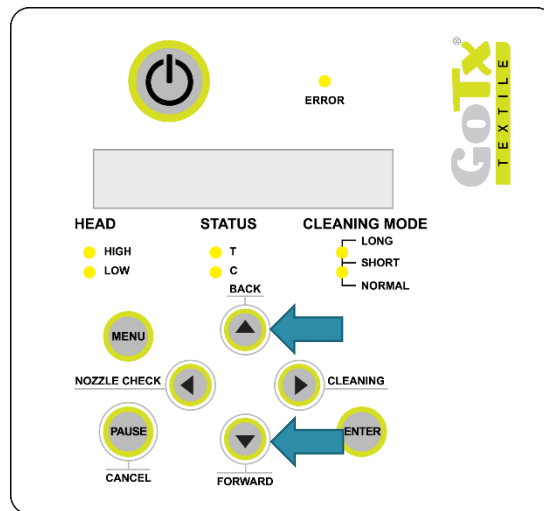
- Set1: User Type is displayed on the Operation panel.

- c. Press the [Enter] key on the Operation panel.

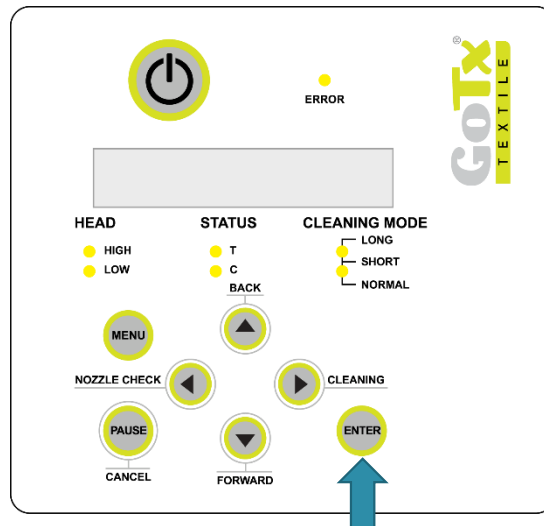


- User: TypeXX (XX is a number between 1 and 15) is displayed on the Operation panel.

- d. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select the user type to use (where user type is set for each specific media).



- e. Press the [Enter] key on the Operation panel.



- **Print Mode** is displayed on the Operation panel.

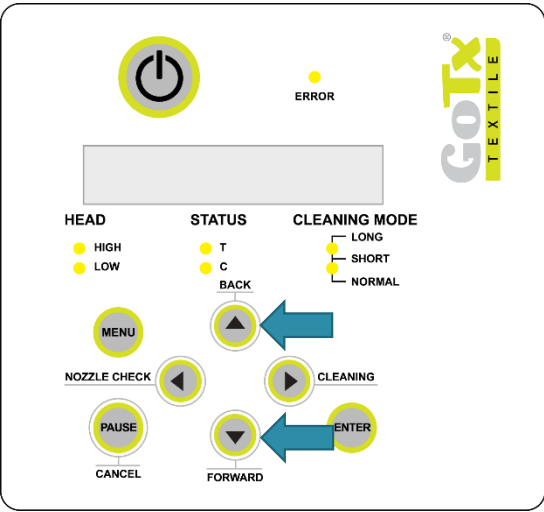


TIP

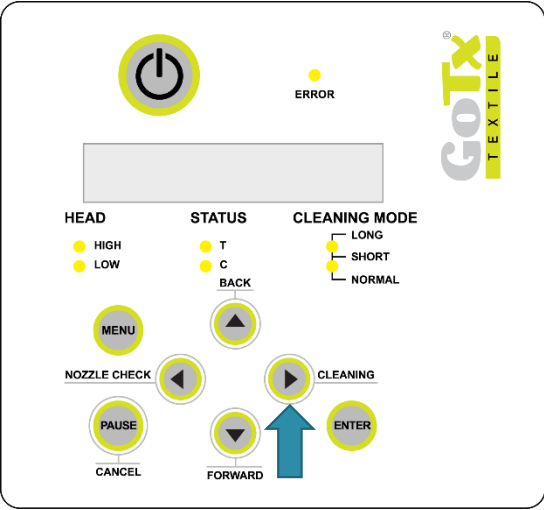
The selected user type (Type 1 to 15) is displayed in "XX"

5.1.1 User Type menu

- f. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select  2: Adjust Print>.



- g. Press the [>] key on the Operation panel.



- Thickness 170µm is displayed on the operation panel. (The default is set to 170µm. If the default value has been changed, the changed value is displayed.)
- This setting is the same as  5.1.1.1.4 Vacuum Fan menu

The Vacuum fan is not operational in the GoTx 2190 / 2260. This menu structure is a legacy menu only and has no effect on the printer operation.

 NOTE

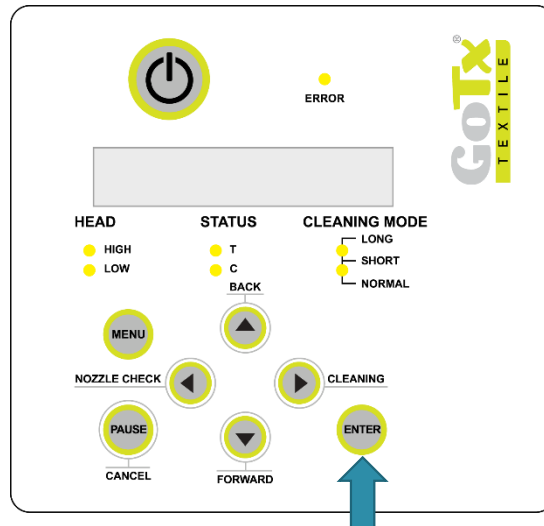
- The Vacuum fan is not operational in the GoTx 2190 / 2260. This menu structure is a legacy menu only and has no effect on the printer operation..

Vacuum Fan menu		
Setup item	Setting	Description
Vacuum Fan	Low	

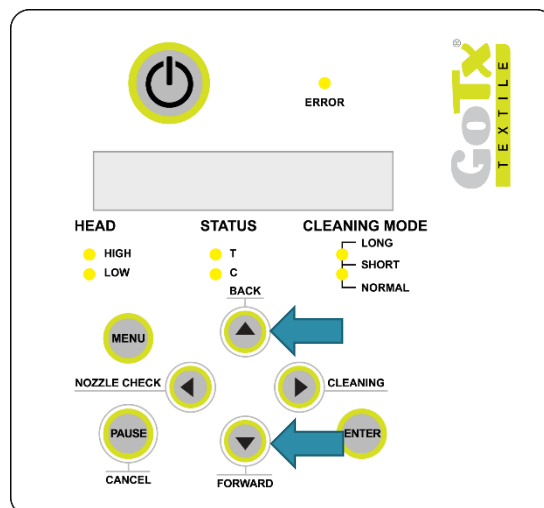
Vacuum Fan menu		
<i>Setup item</i>	<i>Setting</i>	<i>Description</i>
	Middle <High>	
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: shifts to the previous menu.  5.1.1.1 User Type advanced setup menu

- Media thickness menu.

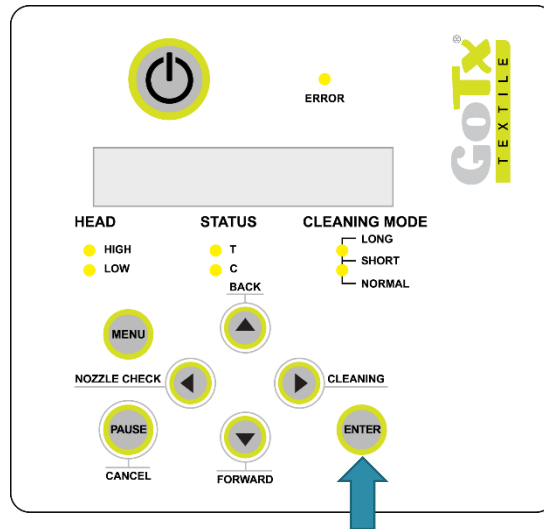
- h. Press the [Enter] key on the Operation panel.



- Media thickness value is set.
 - Adjust Print1: Standard is displayed on Operation panel.
- i. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. Print2: Custom.



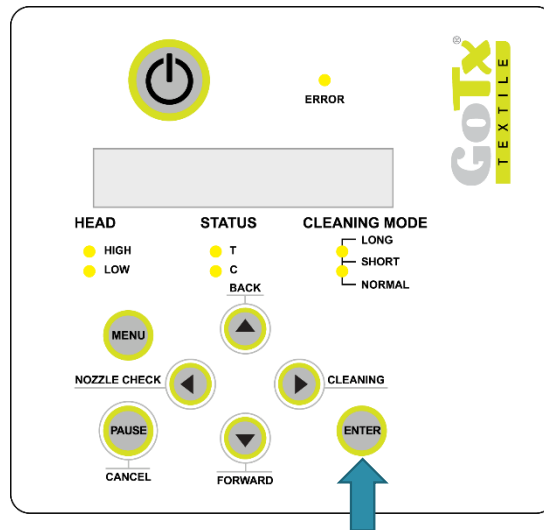
- j. Press the [Enter] key on the Operation panel.



- Adj.1: Confirm Ptn. is displayed on Operation panel.
- The display enters the Adjust Print menu.

5.1.1.1.2 Adjust Print Menu

3. Press the [Enter] key on the Operation panel.

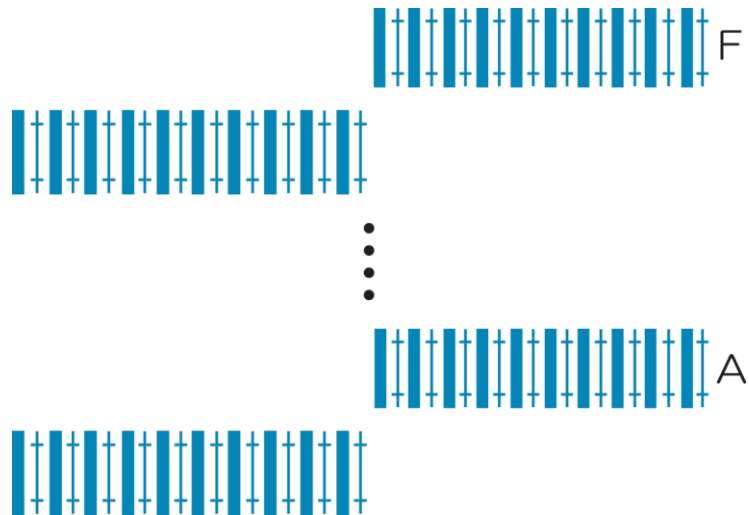


- A confirmation pattern for the print quality adjustment is printed.
- Six confirmation patterns of A to F will be printed.



NOTE

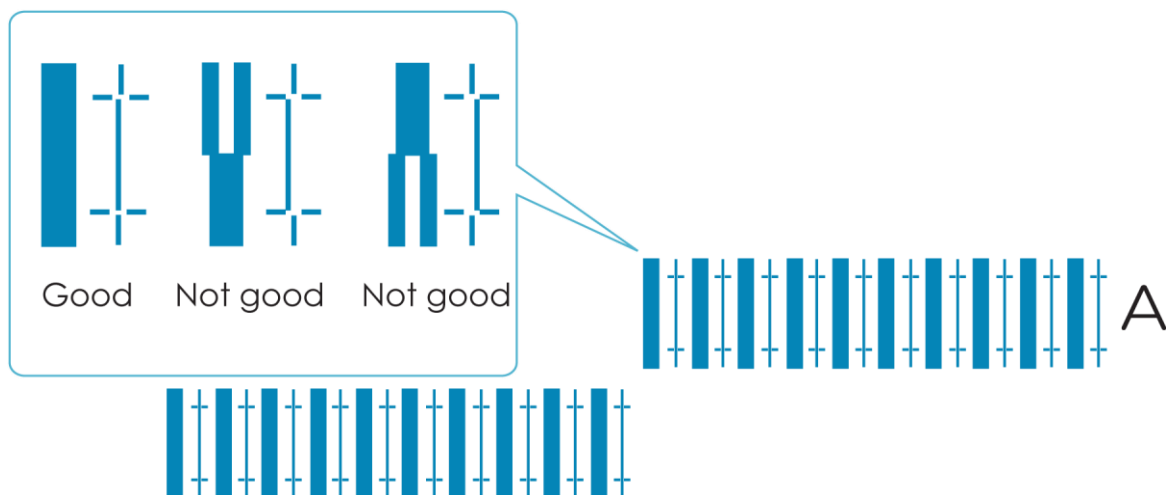
- *Because this printer has two Print heads, 2 rows will be printed for each pattern.*



- After the confirmation pattern is printed, the Operation panel returns to Adj. 1: Confirm Ptn.

4. Confirm that the confirmation pattern printing result is as follows.

- Check each of the confirmation patterns A to F.



- When the print result is Good:
You do not need to perform any print quality adjustment.
The procedure for print quality adjustment is complete

- b. When the print result is Not good:
You need to perform a print quality adjustment.
 - Perform a rough adjustment when the degree of misalignment is large.
 3.10.1.2.1 Rough Pattern ALL
 - Perform micro adjustment when the degree of misalignment is small.
 - When adjustment is required for all patterns (A to F):  3.10.1.3.3 Fine Pattern ALL
 - When adjustment is required for one of the patterns (A to F):  3.10.1.3.4 Fine Pattern A to F

3.10.1.2 Custom rough adjustment pattern

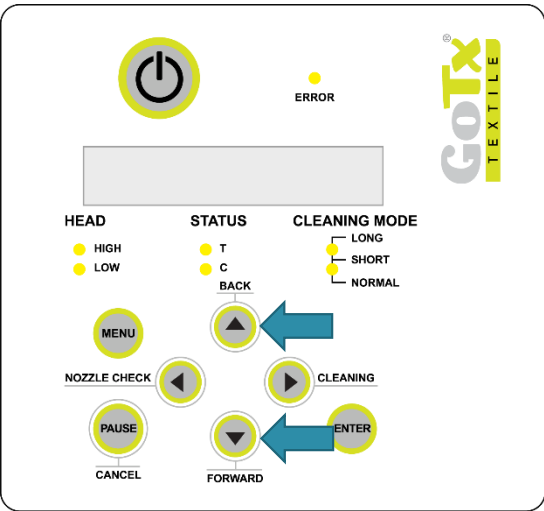
Perform micro adjustment when the degree of misalignment is large.
This menu consists of the following menus.

Menu name		Description	Reference
Custom rough adjustment pattern	Rough Pattern ALL	All confirmation patterns (A to F) will be adjusted.	 3.10.1.2.1 Rough Pattern ALL
	Rough Pattern A to F	One of the confirmation patterns (A to F) will be adjusted.	 3.10.1.2.2 Rough Pattern A to F

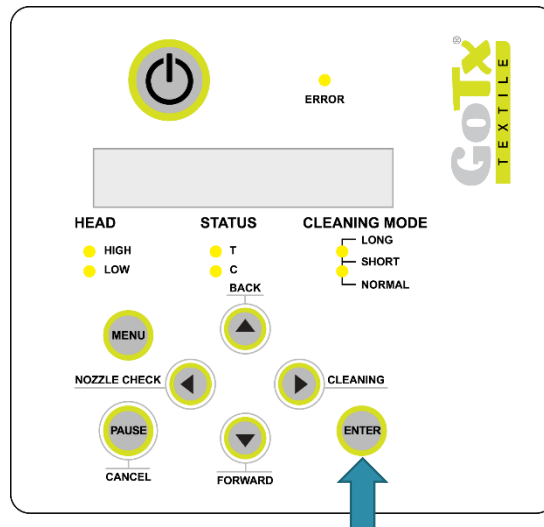
3.10.1.2.1 Rough Pattern ALL

Perform rough adjustment when the degree of misalignment is big. Print rough adjustment pattern and register the set values.

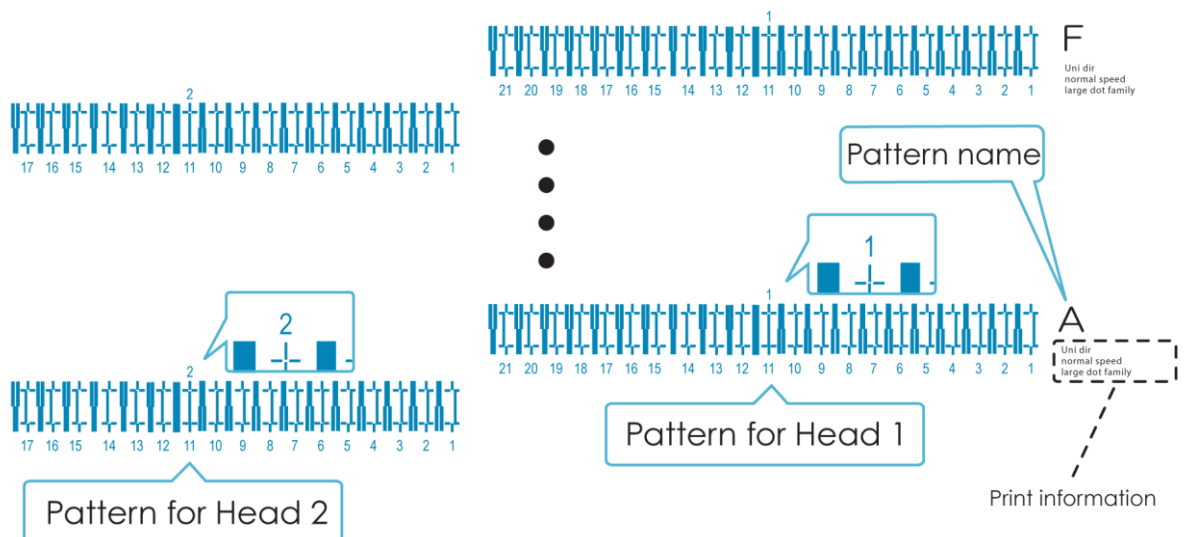
1. Display the Custom Adjust Print menu on Operation panel in the same way as Step 2 of 3.10.1.1 Custom confirmation pattern
2. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. 2: RoughPtn. ALL.



- Press the [Enter] key on the Operation panel.



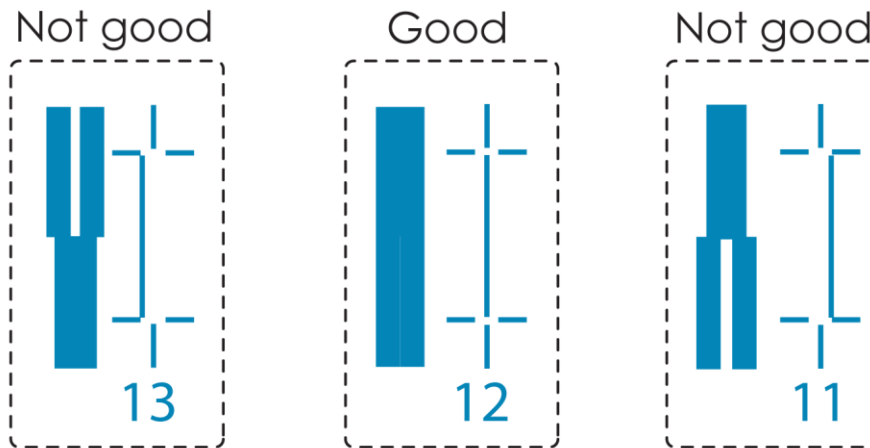
- This will initiate the rough adjustment pattern printing.



- The rough adjustment patterns will be repeated on both sides and the center of the media.
 - 6 rough adjustment patterns (A to F) are printed. Enter the adjusted values for both Head 1 and Head 2.
- For Head 1, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 21.

3.10 Print Quality Adjustment

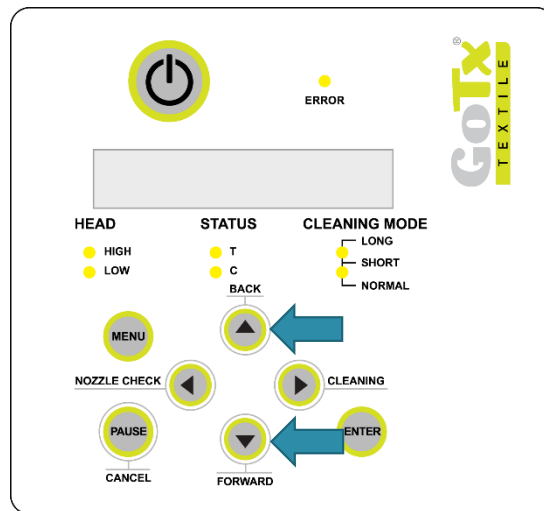
- "12" is selected in the following pattern A1.



NOTE

- For the purposes of this example, 11 represents the current setting value (before rough adjustment)
- If there is a white vertical line in the middle, the line is not aligned, 11 and 13 above are examples of poor alignment.

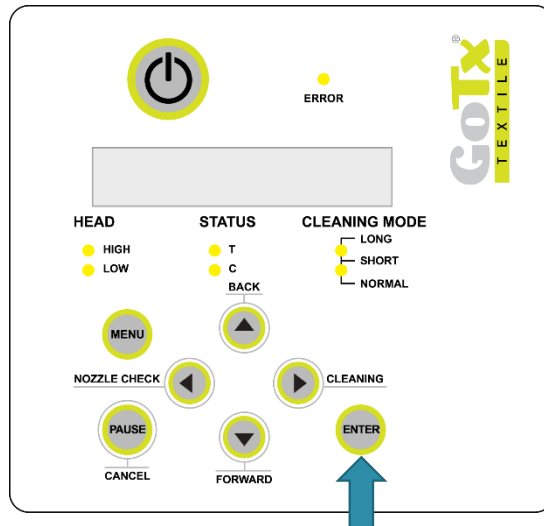
5. Pattern*1: 11 (where * is the Pattern number A to F, and 1 is the head number) is displayed on the Operation panel.
6. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 4.



NOTE

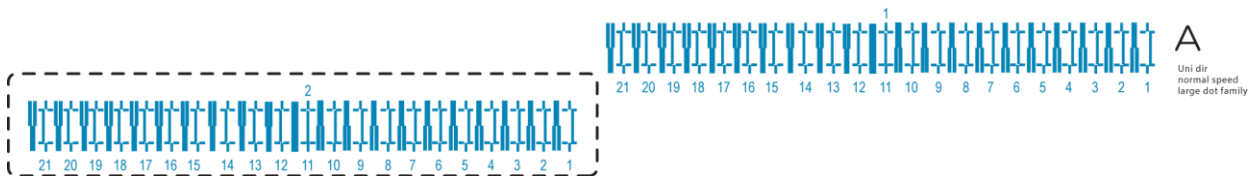
- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to Adj.2: RoughPtn. ALL.

7. Press the [Enter] key on the Operation panel.

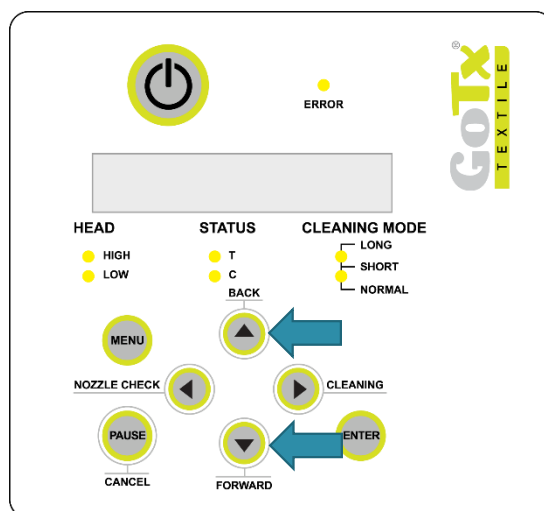


- Registers the setting.
- Pattern*2: 11 (where * is the Pattern number A to F, and 2 is the head number) is displayed next.

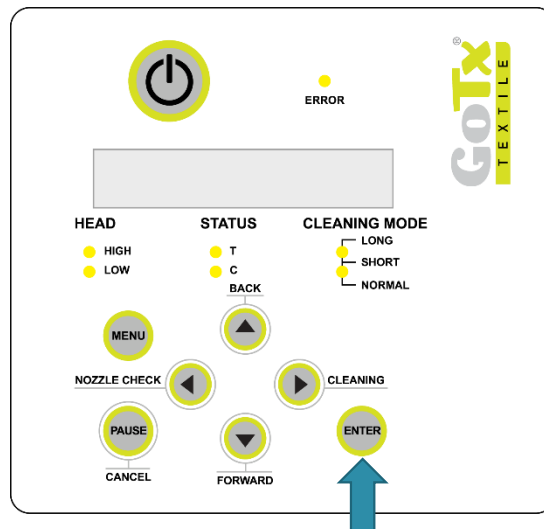
8. For Head 2, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 21.



9. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 8.



10. Press the [Enter] key on Operation panel.



- Registers the setting.

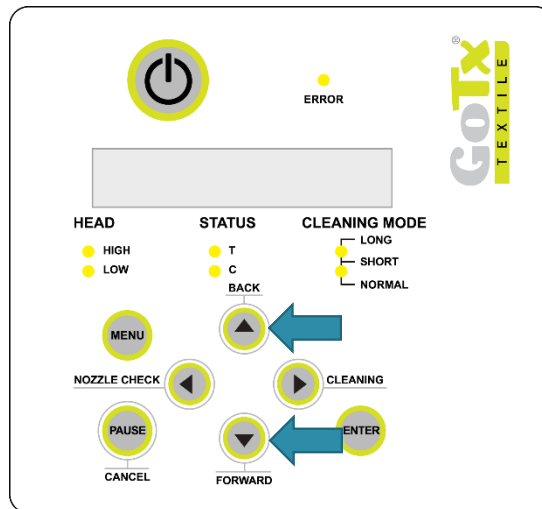
11. Enter the values for patterns B to F in the same way.

- Press the [Enter] key to set the value.
- Once all set values have been entered, press the [Enter] key to register the set values of patterns A to F.
- Adj.2: RoughPtn. ALL is displayed on the Operation panel.

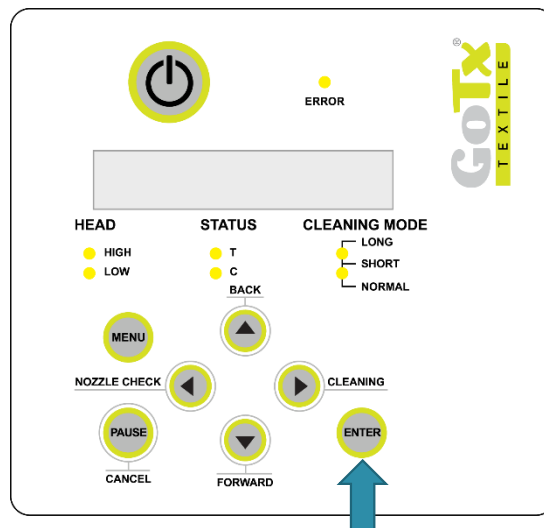
3.10.1.2.2 Rough Pattern A to F

This menu option allows you to print one adjustment pattern from A to F and register the set value. The following describes how to adjust pattern A only.

1. Display the Custom Adjust Print menu on Operation panel in the same way as Step 2 of 3.10.1.1 Custom confirmation pattern.
2. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. 2: RoughPtn. ALL.

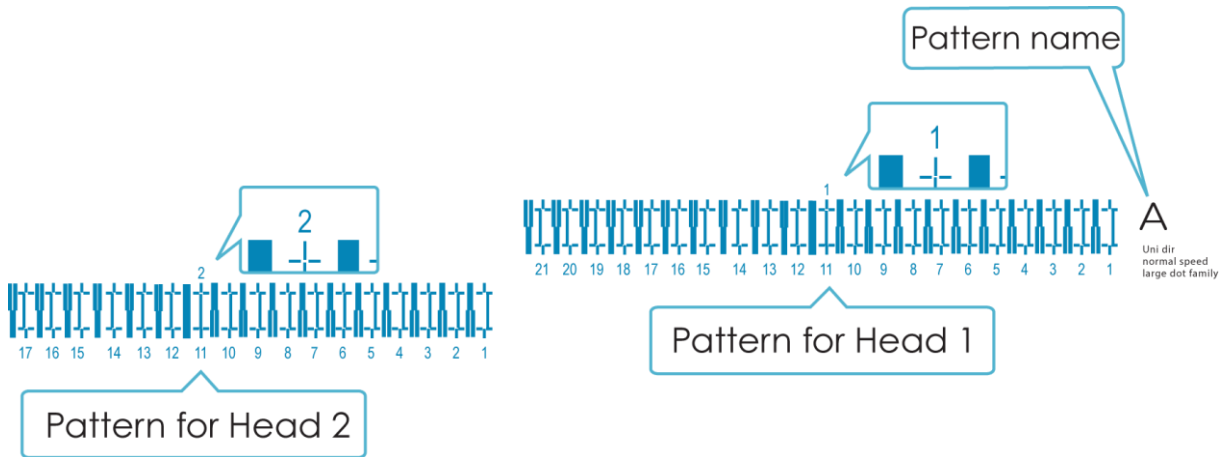


3. Press the [Enter] key on Operation panel.

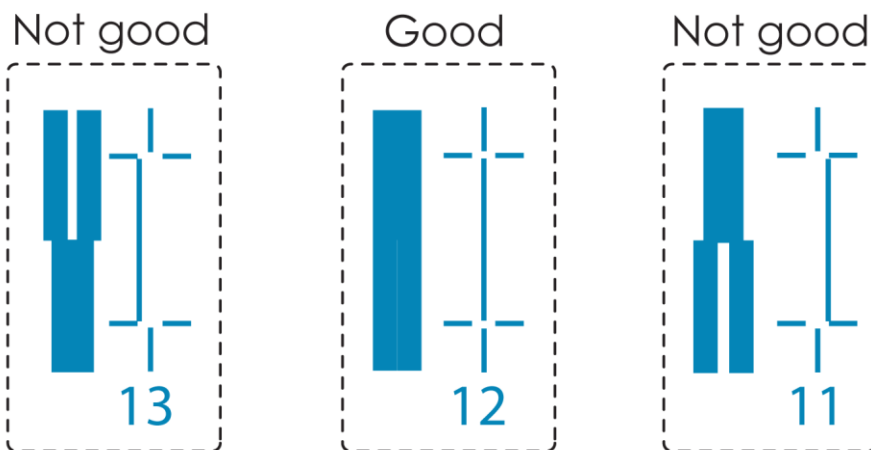


- A rough adjust print pattern is printed for both Head 1 and Head 2.

3.10 Print Quality Adjustment



- The rough adjustment patterns will be repeated on both sides and the center of the media.
4. For Head 1, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 21.
- "12" is selected in the following pattern A1.

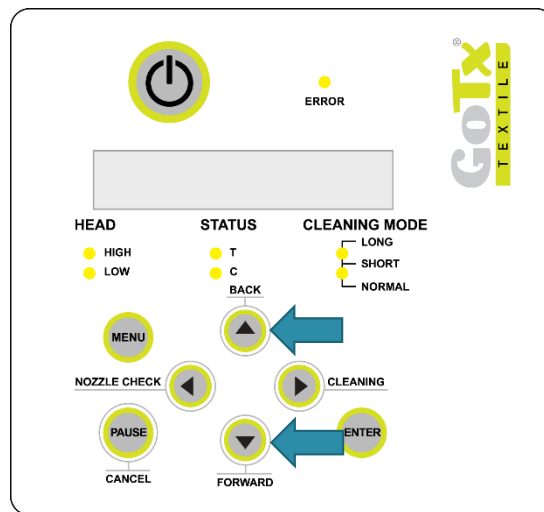


NOTE

- For the purposes of this example, 11 represents the current setting value (before rough adjustment)
- If there is a white vertical line in the middle, the line is not aligned, 11 and 13 above are examples of poor alignment.

5. PatternA1: 11 (where * is the Pattern number A to F, and 1 is the head number) is displayed on the Operation panel.

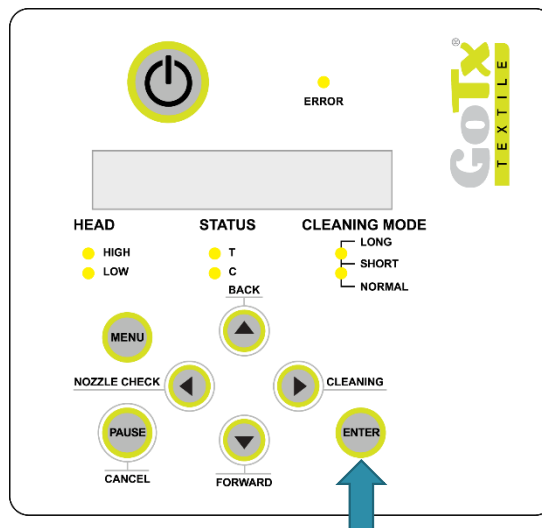
6. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 4.



NOTE

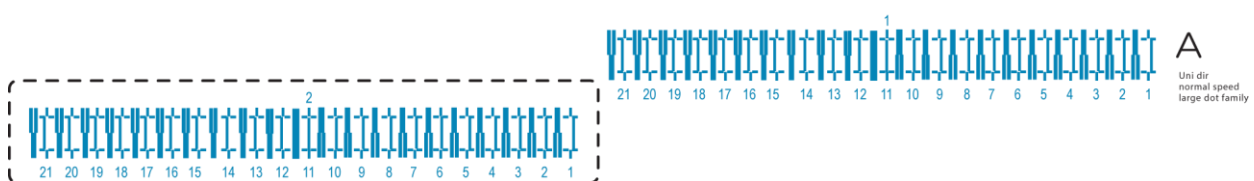
- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to Adj.3: RoughPatternA.

7. Press the [Enter] key on the Operation panel.



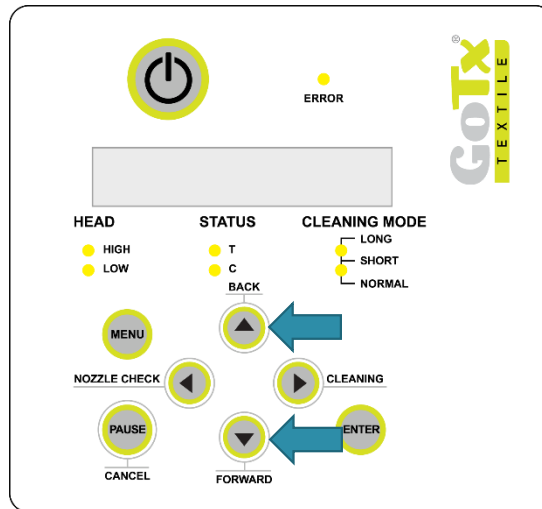
- Registers the setting.
- PatternA2: 11 is displayed next.

8. For Head 2, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 21.

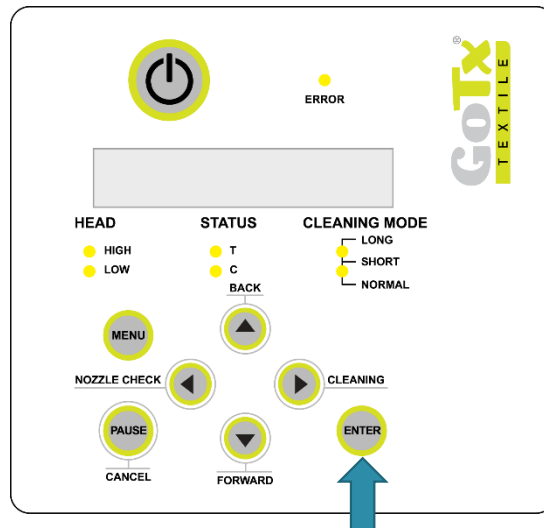


3.10 Print Quality Adjustment

9. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 8.



10. Press the [Enter] key on Operation panel.



- Registers the setting.
- Adj.3: RoughPatternA is displayed on the Operation panel.

3.10.1.3 Custom micro adjustment pattern

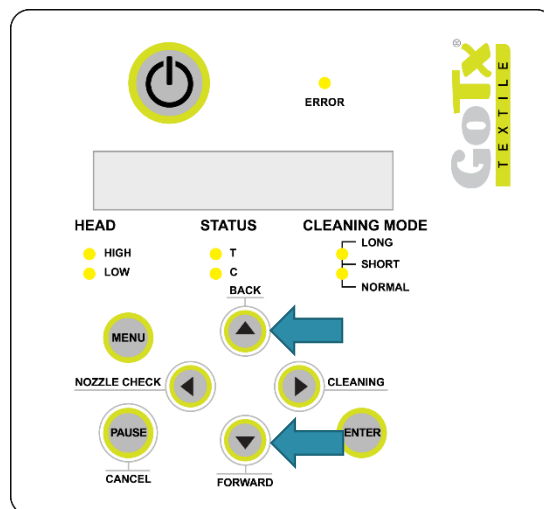
Use this menu option to Perform micro adjustment when the degree of misalignment is small.
This menu consists of the following menus.

Menu name	Description	Reference
Custom micro adjustment pattern	Fine PatternALL	All confirmation patterns (A to F) will be adjusted.
	Fine Pattern A to F	One of the confirmation patterns (A to F) will be adjusted.

3.10.1.3.3 Fine Pattern ALL

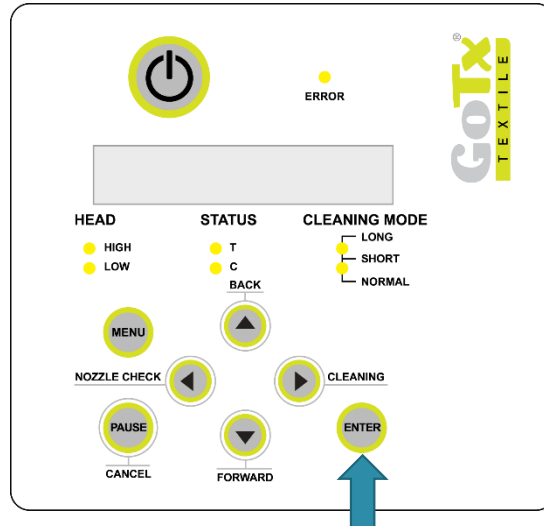
Print the micro adjustment patterns (ALL) and register the set values.

1. Display the Custom Adjust Print menu on the Operation panel in the same way as Step 2 of 3.10.1.1 Custom confirmation pattern.
2. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. 9: Fine Ptn. ALL.

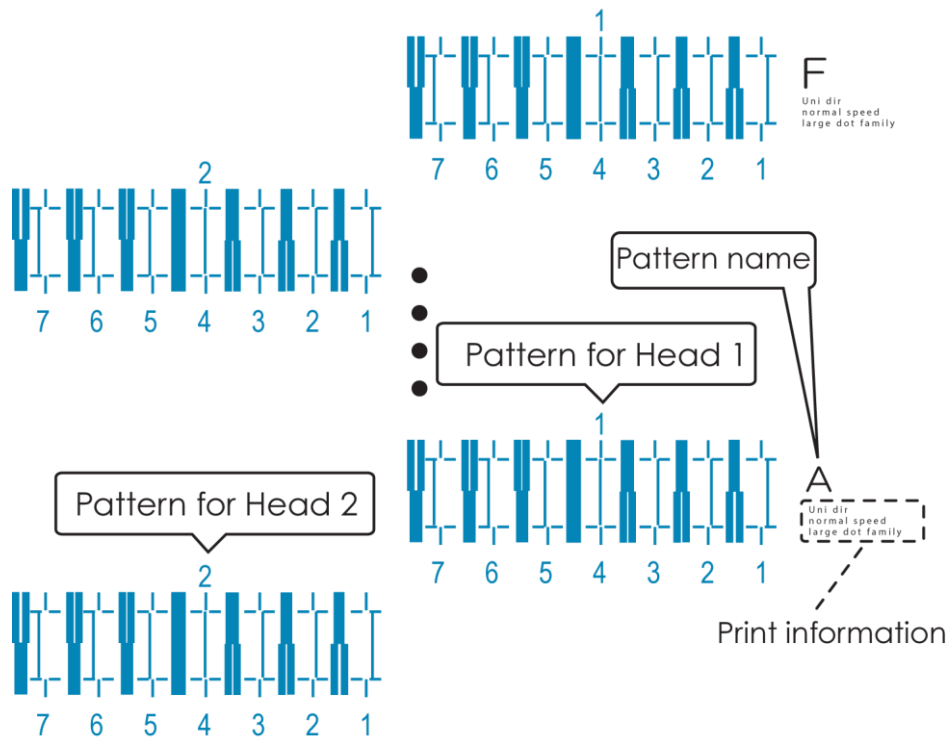


3.10 Print Quality Adjustment

3. Press the [Enter] key on the Operation panel



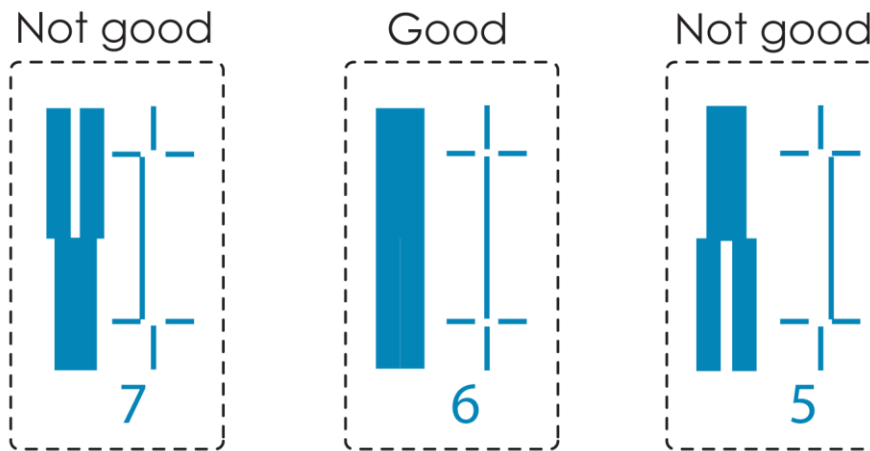
- An adjust print pattern is printed.



For Adjust print pattern printing, 6 adjust print patterns (A to F) are printed. Enter the adjusted values for both Head 1 and Head 2.

- The rough adjustment patterns will be repeated on both sides and the center of the media.

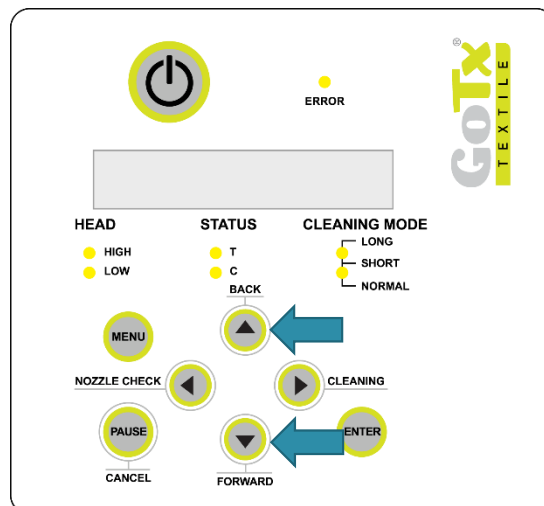
4. For Head 1, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 7.
 - "6" is selected in the following pattern A1.



NOTE

- For the purposes of this example, 4 represents the current setting value (before adjustment)
- If there is a white vertical line in the middle, the line is not aligned, 7 and 5 above are examples of poor alignment.

5. Pattern*1: 4 (where * is the Pattern number A to F, 1 is the head number, and 4 is the currently set value) is displayed on the Operation panel.
6. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 4.

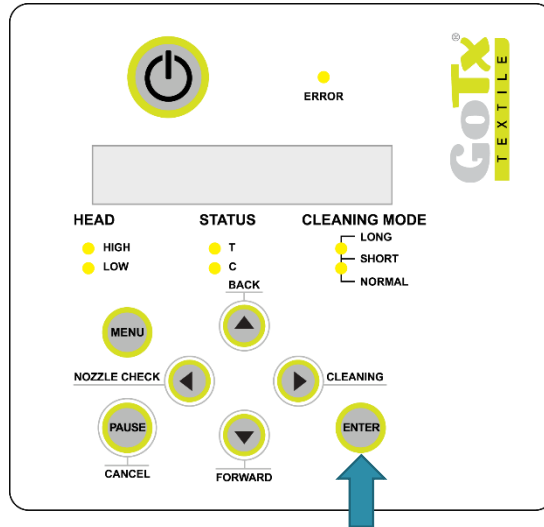


NOTE

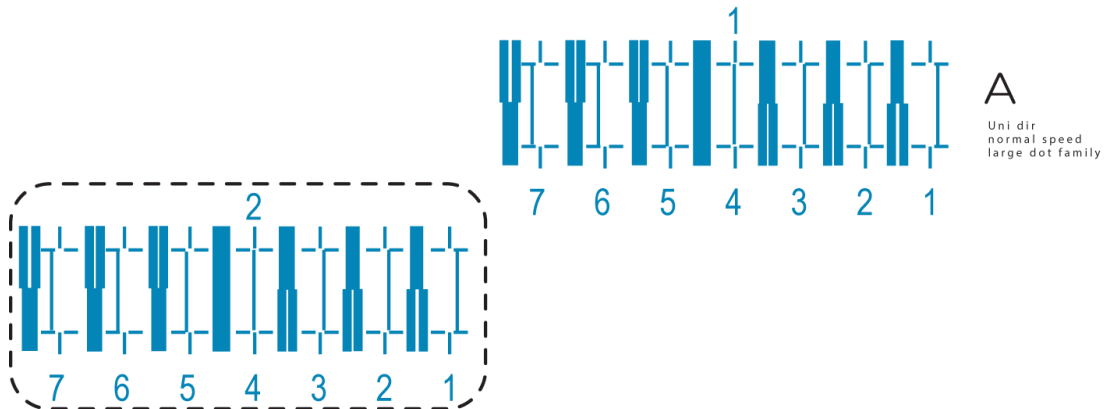
- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to Adj.9: Fine Ptn. ALL.

3.10 Print Quality Adjustment

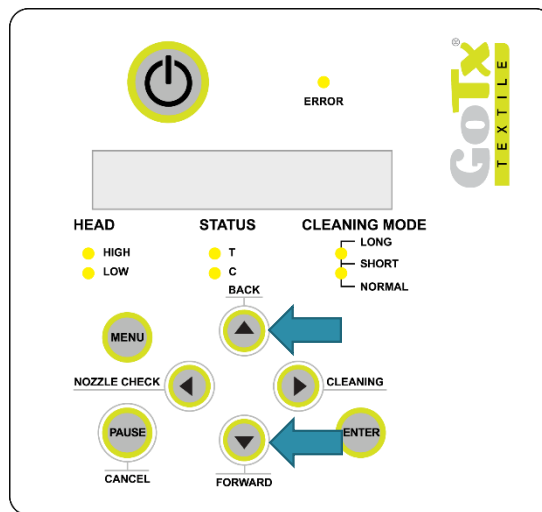
7. Press the [Enter] key on the Operation panel.



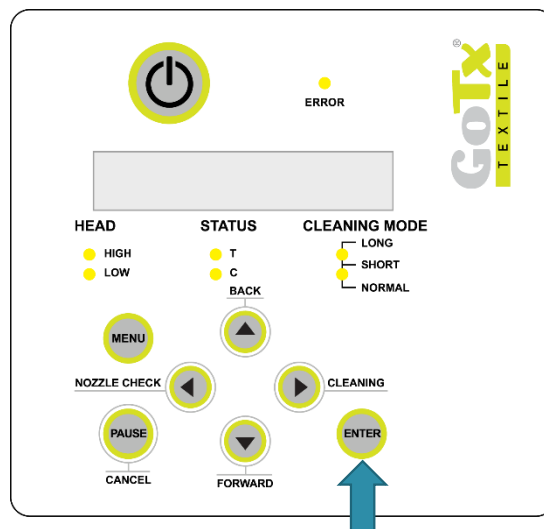
- Registers the setting.
 - Pattern*2: 4 (where * is the Pattern number A to F, 2 is the head number, and 4 is the currently set value) is displayed next.
8. For Head 2, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 7.



9. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 8.



10. Press the [Enter] key on Operation panel.



- Registers the setting.

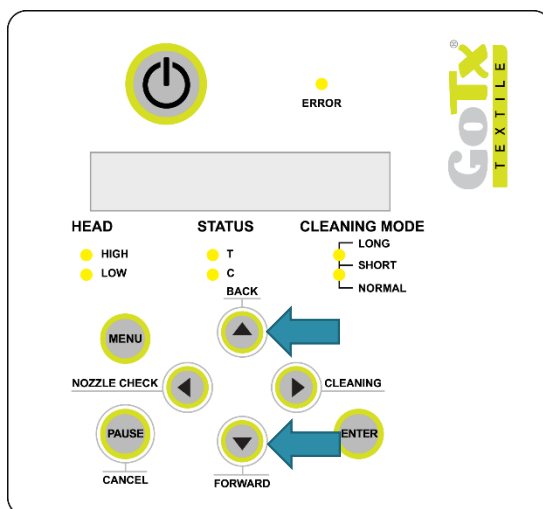
11. Enter the values for patterns B to F in the same way.

- Press the [Enter] key to set the value.
- Once all set values have been entered, press the [Enter] key to register the set values of patterns A to F
- Adj.9: Fine Ptn. ALL is displayed on the Operation panel.

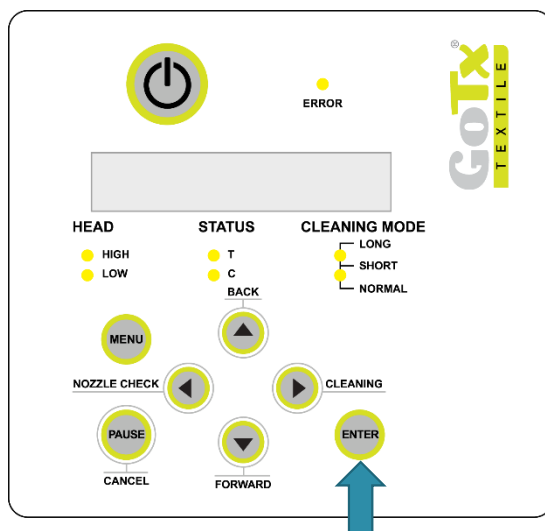
3.10.1.3.4 Fine Pattern A to F

This menu option allows you to print one adjustment pattern from A to F and register the set value. The following describes how to adjust pattern A only.

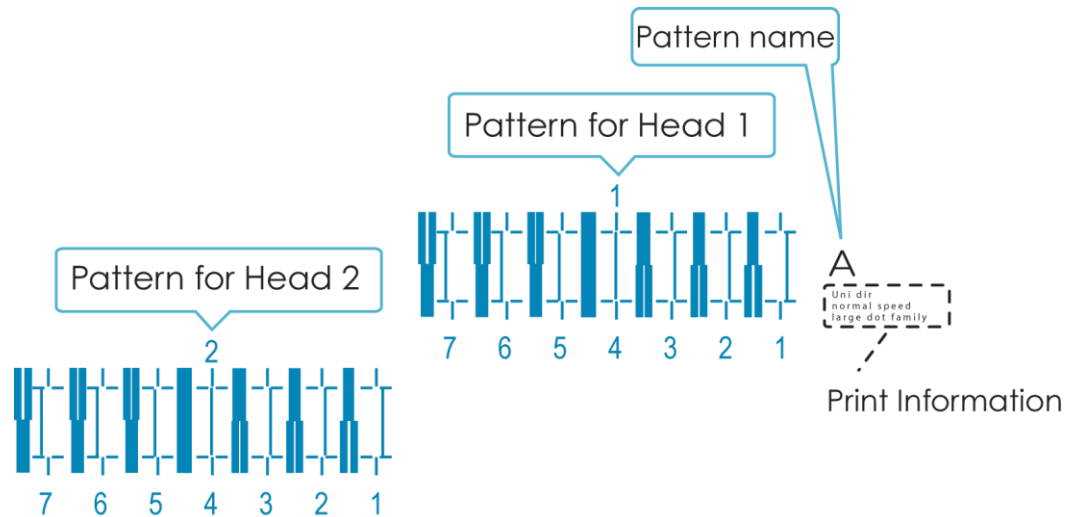
1. Display the Custom Adjust Print menu on Operation panel in the same way as Step 2 of 3.10.1.1 Custom confirmation pattern.
2. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. 10: Fine PatternA.



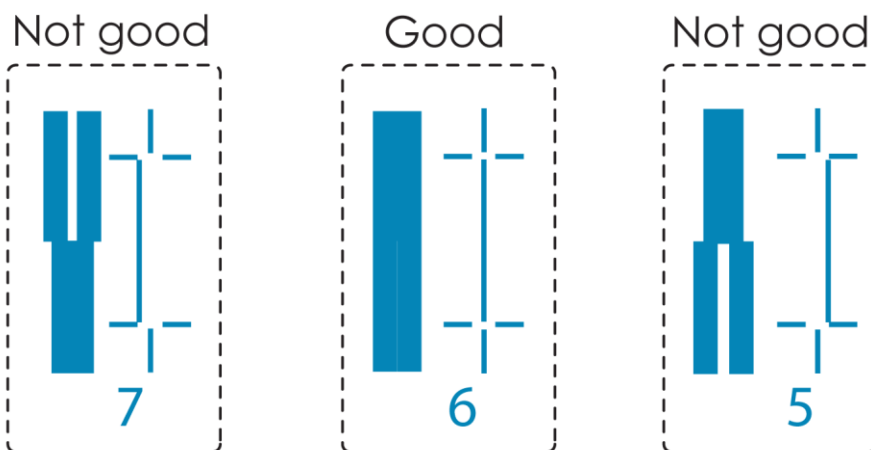
3. Press the [Enter] key on Operation panel.



- A micro adjust print pattern is printed for both Head 1 and Head 2.

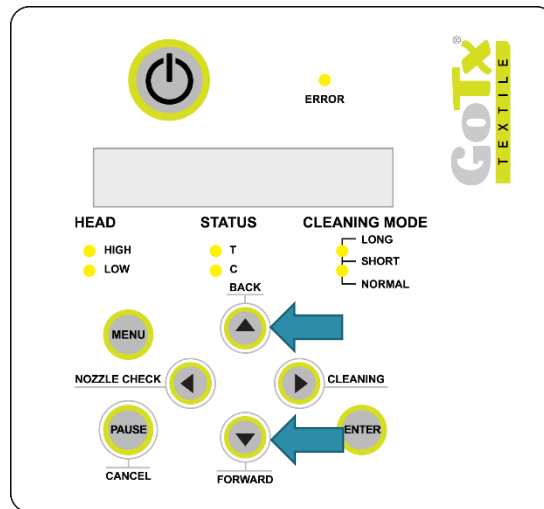


- The adjustment patterns will be repeated on both sides and the center of the media.
4. For Head 1, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 7.
- "6" is selected in the following printing sample.

**NOTE**

- For the purposes of this example, 4 represents the current setting value (before adjustment value is set)
 - If there is a white vertical line in the middle, the line is not aligned, 7 and 5 above are examples of poor alignment.
- PatternA1: 4 (where A is the Pattern number, 1 is the head number, and 4 is the currently set value) is displayed on the Operation panel.

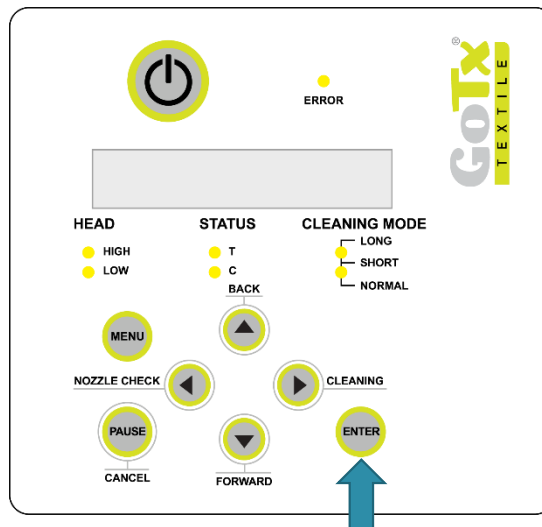
- Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 4.



NOTE

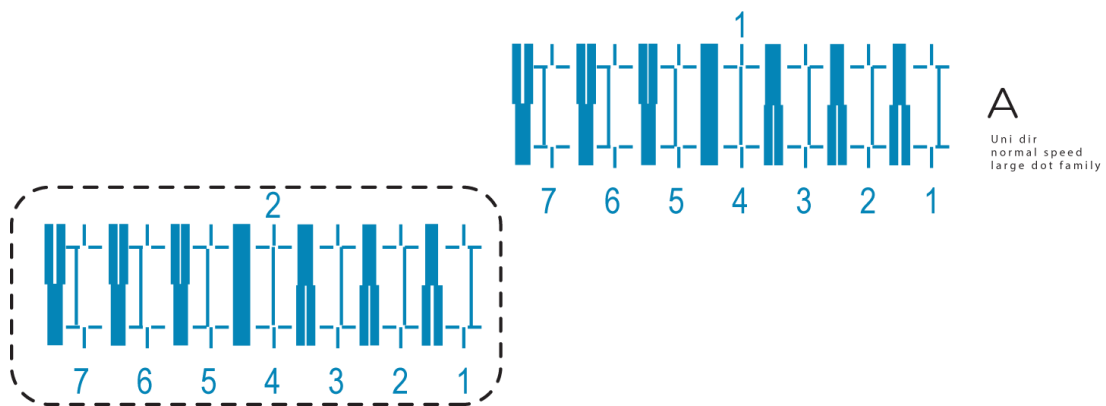
- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to Adj.10: Fine PatternA.

- Press the [Enter] key on the Operation panel.

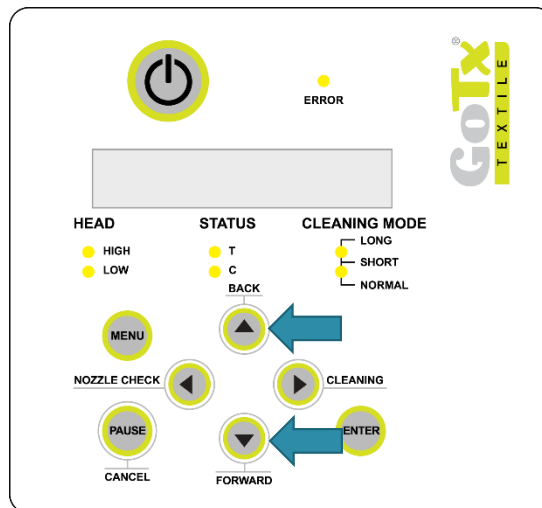


- Registers the setting.
- PatternA2: 4 is displayed next.

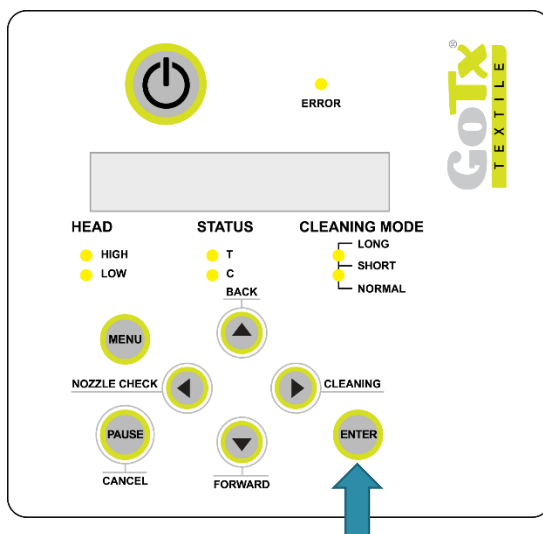
7. For Head 2, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 7.



8. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 7.



9. Press the [Enter] key on the Operation panel.



- Registers the setting.
- Adj. 10: Fine PatternA is displayed on the Operation panel.

3.10.2 Standard print quality adjustment

NOTE

- As the Print quality adjustment is tied to the Print Mode, and Print Modes set in the printer are overridden / ignored when printing via the Computer RIP, there is no value to be gained by performing the Standard print quality adjustment for the GoTx 2190 / 2260.

The Standard Print quality adjustment settings are included here only for completeness

Adjust only the print mode in the user type setting which is currently set.

This menu consists of the following menus.

Menu name	Description	Reference
Standard confirmation pattern	Print out the confirmation pattern and check the degree of misalignment.	 3.10.2.1 Standard confirmation pattern
Standard rough adjustment pattern	Perform this when the degree of misalignment is large.	 3.10.2.2 Standard rough adjustment pattern
Standard micro adjustment pattern	Perform this when the degree of misalignment is small.	 3.10.2.3 Standard micro adjustment pattern

Follow the procedure below to perform the adjustment.

- Print out the confirmation pattern and check the degree of misalignment.
 3.10.2.1 Standard confirmation pattern
- Perform rough adjustment when the degree of misalignment is big.
 3.10.2.2 Standard rough adjustment pattern
- Perform micro adjustment when the degree of misalignment is small.
 3.10.2.3 Standard micro adjustment pattern

NOTE

- Perform rough adjustment first when the degree of misalignment is difficult to determine.
- Perform adjustment for A to F patterns if they are misaligned.

- Print out the confirmation pattern again and check if the printer has been adjusted properly.
 3.10.2.1 Standard confirmation pattern
- If the adjustment is not yet accurate, return to Step 2.

 NOTE

- Perform micro adjustment if the printer is not fully adjusted after rough adjustment.

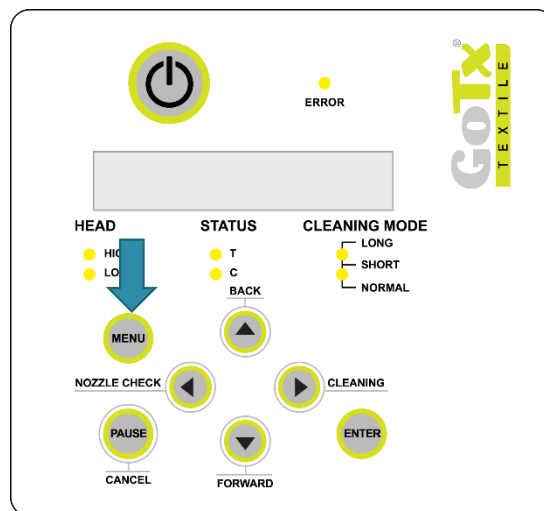
3.10.2.1 Standard confirmation pattern

Using this menu, you can print out the confirmation pattern of the print mode in the user type setting which is currently set and check the degree of misalignment.

1. Turn ON the printer and load the roll media.

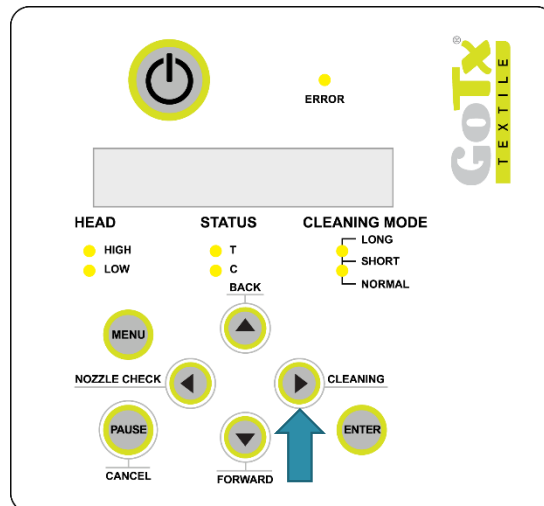
 3.8.2 Setting Roll Media

2. Display the Adjust Print menu on the Operation panel.
 - a. Press the [Menu] key on Operation panel.

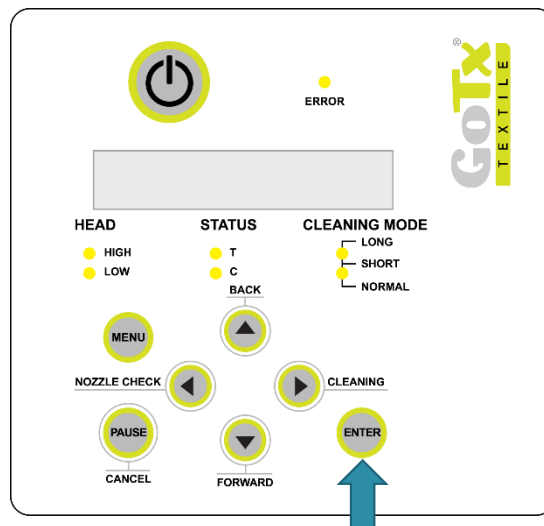


- Menu1: Setup> is displayed on the Operation panel
- The operation panel shifts to the Setup menu display.

- b. Press the [>] key on the Operation panel to select Set1: User Type.

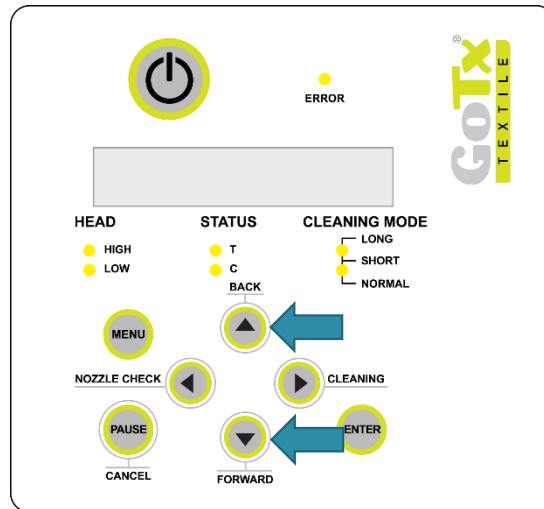


- c. Press the [Enter] key on the Operation panel.

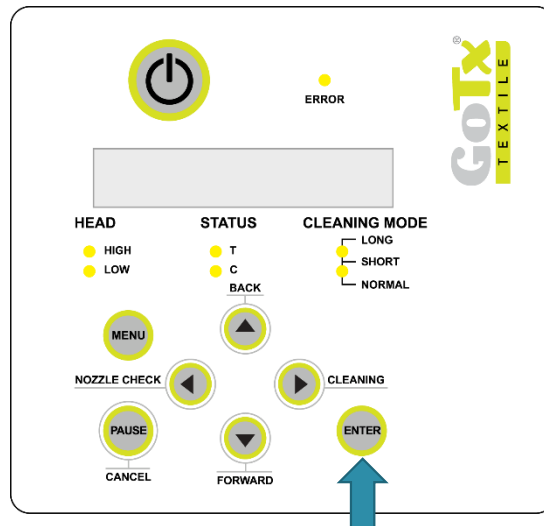


- User: TypeXX (XX is a number between 1 and 15) is displayed on the Operation panel.

- d. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select the user type to use (where user type is set for each specific media).



- e. Press the [Enter] key on the Operation



- **Print Mode** is displayed on the Operation panel.



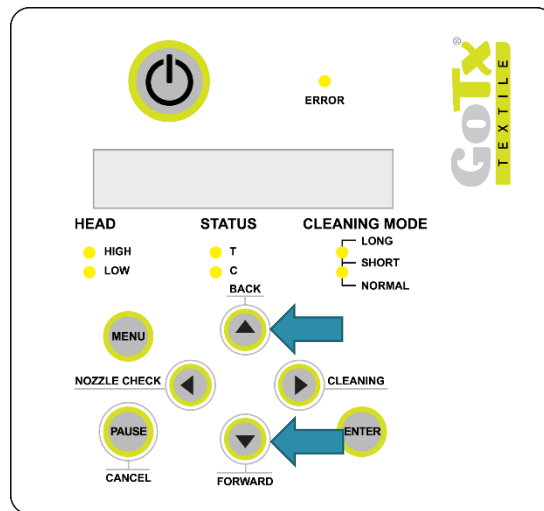
TIP

The selected user type (Type 1 to 15) is displayed in "XX"

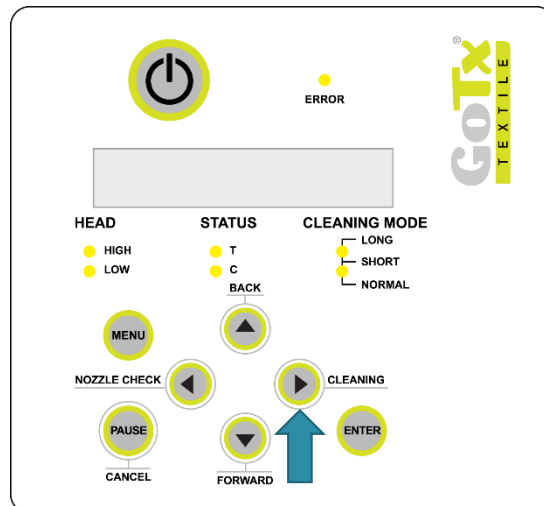


5.1.1 User Type menu

- f. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select $\times \times \times 2$:
Adjust Print>.

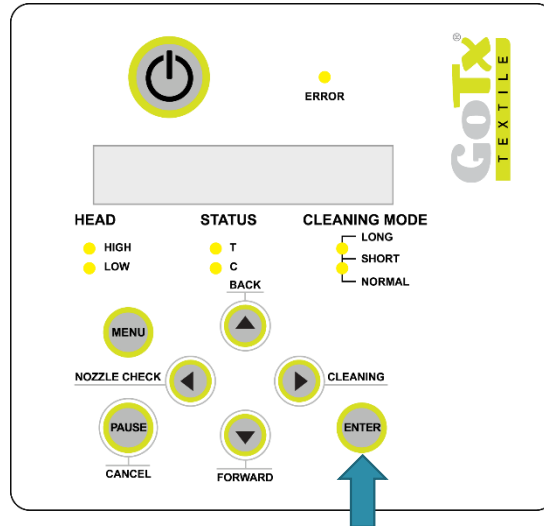


- g. Press the [>] key on the Operation panel.



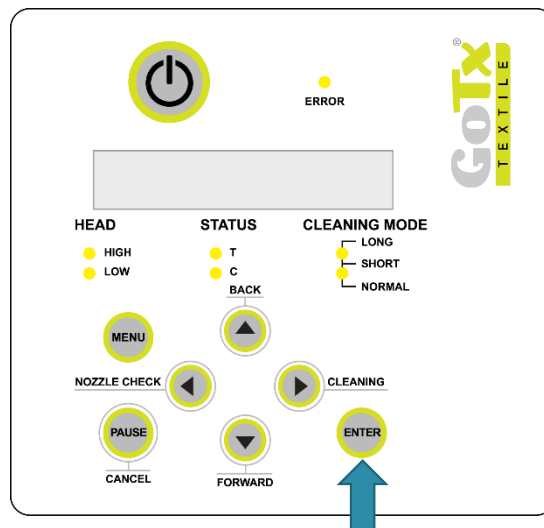
- Thickness 170 μ m is displayed on the operation panel. (The default is set to 170 μ m. If the default value has been changed, the changed value is displayed.)
- This setting is the same as 5.1.1.1.5 Media thickness menu.

- h. Press the [Enter] key on the Operation panel.



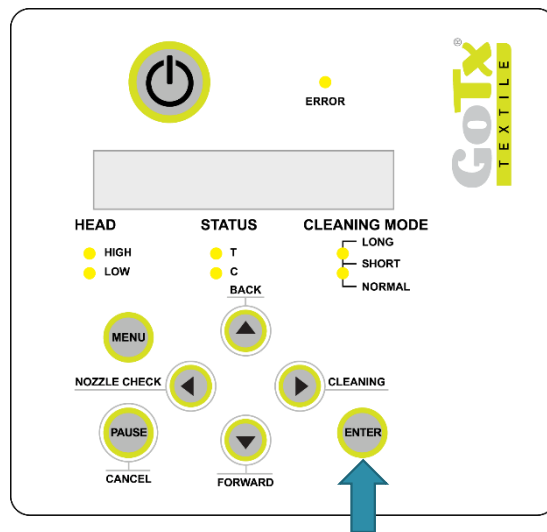
- Media thickness value is set.
- Adjust Print1: Standard is displayed on Operation panel.

- i. Press the [Enter] key on the Operation panel.



- Adj.1: Confirm Ptn. is displayed on Operation panel.
 - The display enters the Adjust Print menu.
- 👉 5.1.1.1.2 Adjust Print Menu

- Press the [Enter] key on the Operation panel.

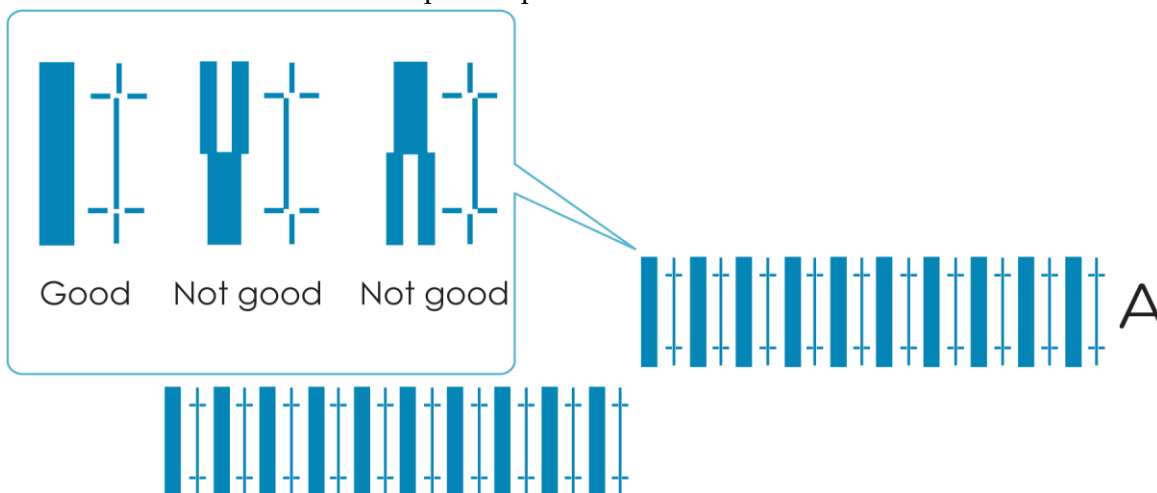


- A confirmation pattern for the print quality adjustment is printed.
- After the confirmation pattern is printed, the Operation panel returns to Adj. 1: Confirm Ptn.

NOTE

- Because this printer has two Print heads, 2 rows will be printed for each pattern.

4. Confirm that the confirmation pattern print result is as follows



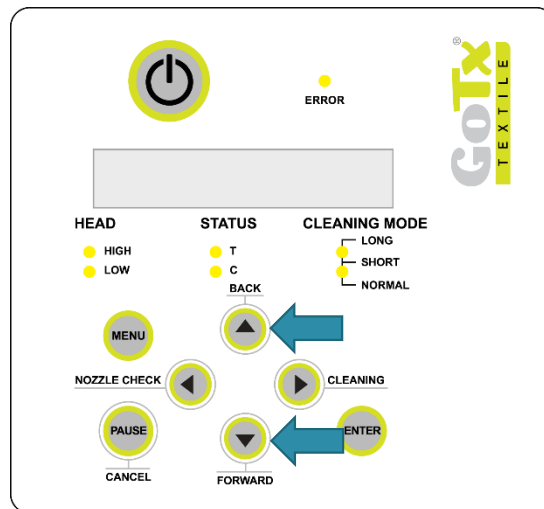
- a. When the print result is Good:
You do not need to perform any print quality adjustment.
The procedure for print quality adjustment is complete.
- b. When the print result is Not good:
You need to perform a print quality adjustment.
 - Perform a rough adjustment when the degree of misalignment is large.
 3.10.2.2 Standard rough adjustment pattern
 - Perform micro adjustment when the degree of misalignment is small.
 3.10.2.3 Standard micro adjustment pattern

3.10.2.2 Standard rough adjustment pattern

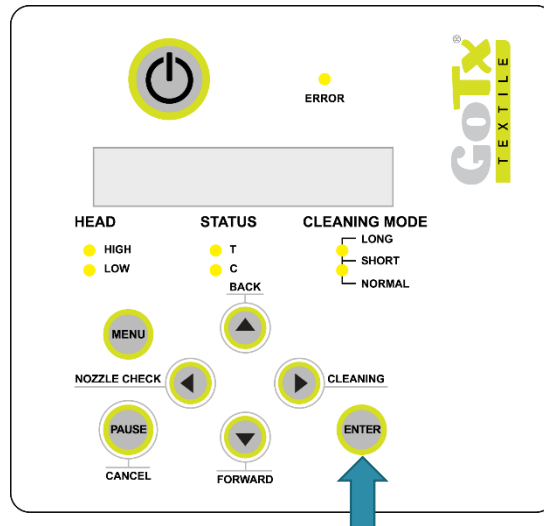
Perform rough adjustment when the degree of misalignment is big. Print rough adjustment pattern and register the set values.

1. Display the Custom Adjust Print menu on Operation panel in the same way as Step 2 of 3.10.2.1 Standard confirmation pattern.

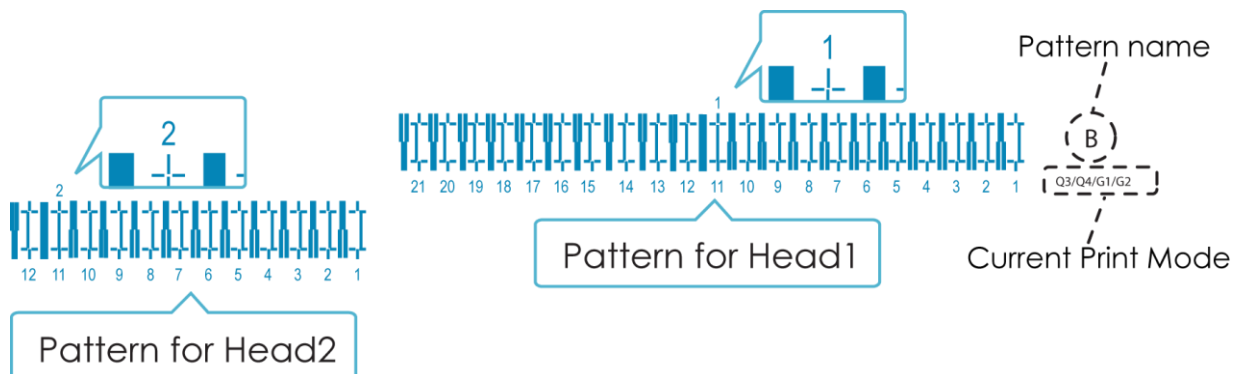
2. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. 2: RoughPtn.



3. Press the [Enter] key on the Operation panel.

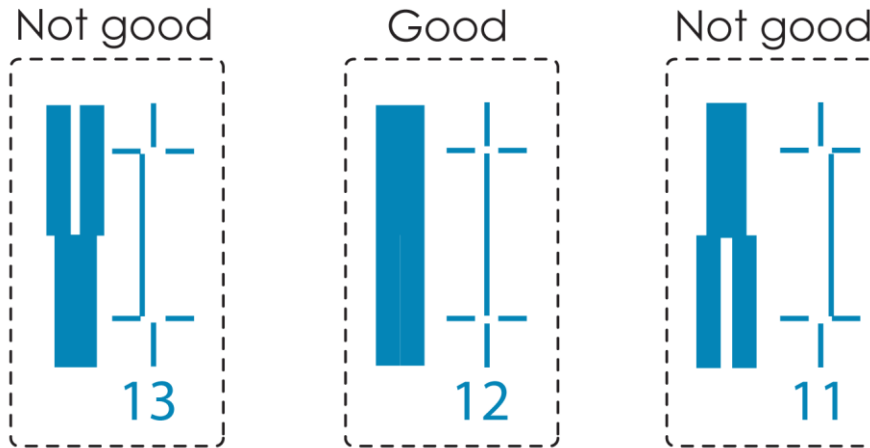


- This will initiate the rough adjustment pattern printing – a rough adjustment pattern is printed for both Head 1 and Head 2.



3.10 Print Quality Adjustment

- The rough adjustment pattern will be repeated on both sides and the center of the media.
4. For Head 1, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 21.
- "12" is selected in the following print sample.



NOTE

- For the purposes of this example, 11 represents the current setting value (before rough adjustment)
- If there is a white vertical line in the middle, the line is not aligned, 11 and 13 above are examples of poor alignment.

5. Pattern*1: 11 (refer to the chart below for *, and 1 is the head number) is displayed on the Operation panel.

- The pattern name indicated by * differs depending on the set print mode.
Print modes and corresponding pattern names are as follows:

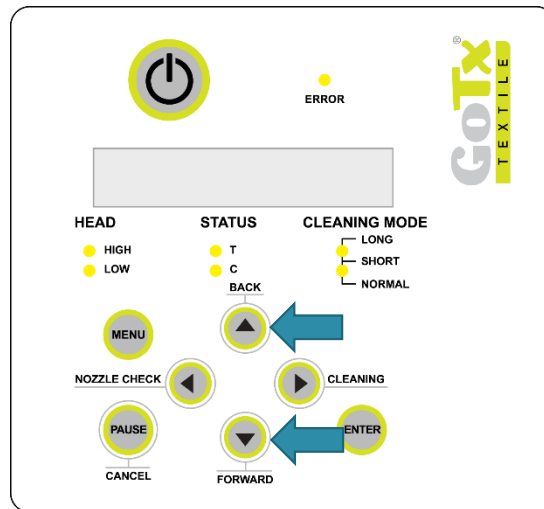
Print mode	Pattern name
Quality 1, 2	C
Quality 3, 4	B
Graphics 1, 2	B
Banner 1, 2	A
Banner 3, 4	A

NOTE

- Refer to the following for Print mode.

5.1.1.1.1 Print Mode Menu

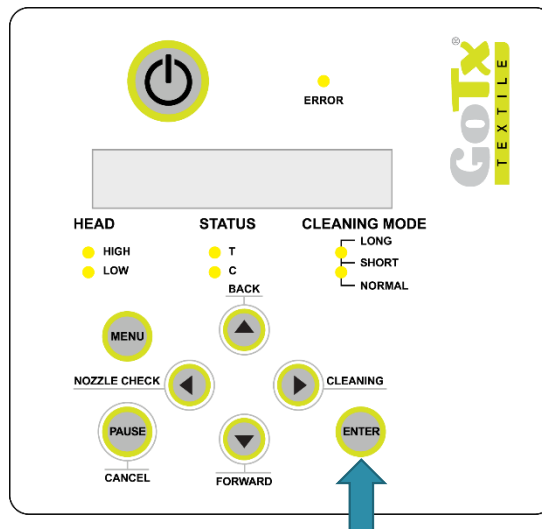
6. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 4.



NOTE

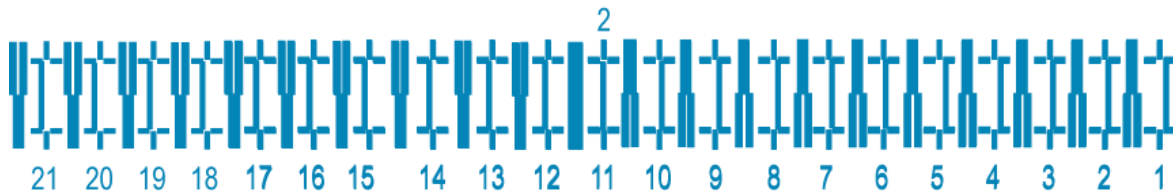
- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to Adj.2: Rough Pattern.

7. Press the [Enter] key on the Operation panel.

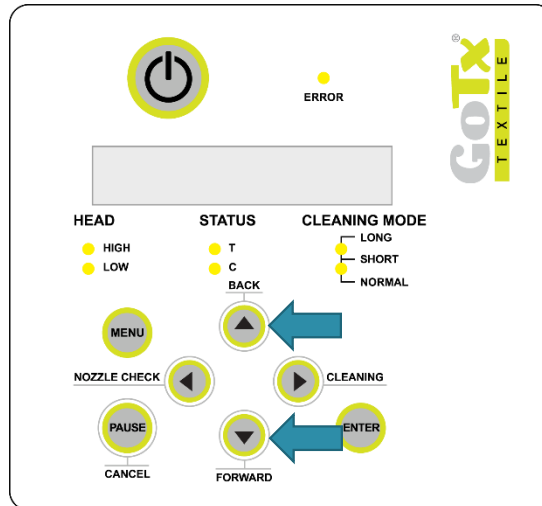


- Registers the setting.
- Pattern*2: 11 (where * is the Pattern name, and 2 is the head number) is displayed next.

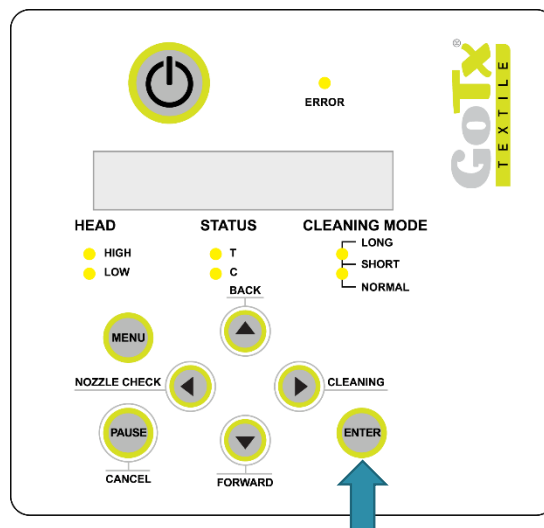
8. For Head 2, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 21.



9. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 8.



10. Press the [Enter] key on Operation panel.



- Registers the setting.
- Adj.2: Rough Pattern is displayed on the Operation panel.

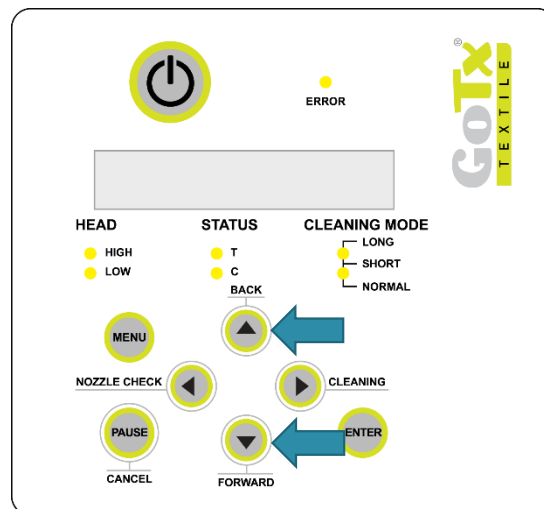
3.10.2.3 Standard micro adjustment pattern

Perform micro adjustment when the degree of misalignment is small, or after performing the standard rough adjustment.

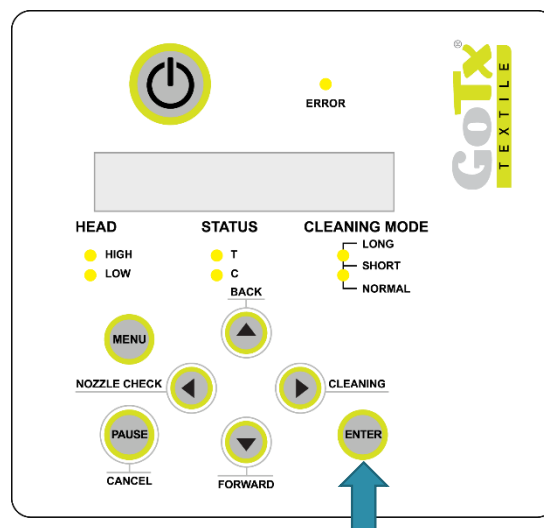
Print the micro adjustment pattern and register the set values.

1. Display the Custom Adjust Print menu on Operation panel in the same way as Step 2 of 3.10.2.1 Standard confirmation pattern.

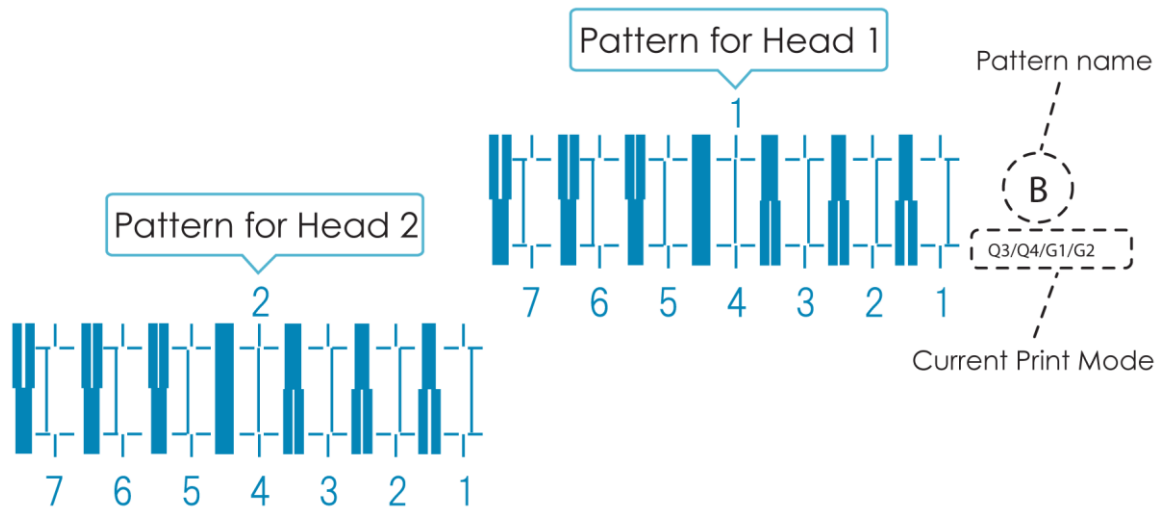
2. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select Adj. 3: Fine Pattern



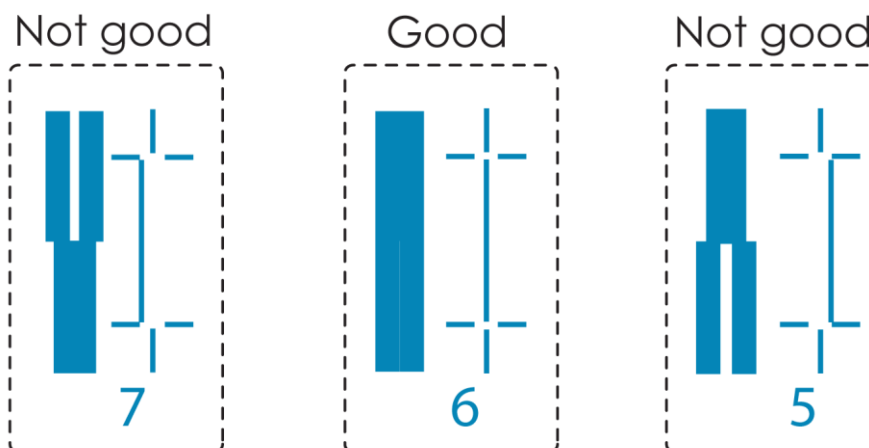
3. Press the [Enter] key on the Operation panel.



- A micro adjustment pattern is printed for both Head 1 and Head 2.



- The micro adjustment patterns will be repeated on both sides and the center of the media.
4. For Head 1, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 7.
- "6" is selected in the following pattern.

**NOTE**

- For the purposes of this example, 4 represents the current setting value (before adjustment)
- If there is a white vertical line in the middle, the line is not aligned, 7 and 5 above are examples of poor alignment.

5. Pattern*1: 4 (refer to the chart below for *, and 1 is the head number) is displayed on the Operation panel.

- The pattern name indicated by * differs depending on the set print mode.
Print modes and corresponding pattern names are as follows:

Print mode	Pattern name
Quality 1, 2	C
Quality 3, 4	B
Graphics 1, 2	B
Banner 1, 2	A
Banner 3, 4	A



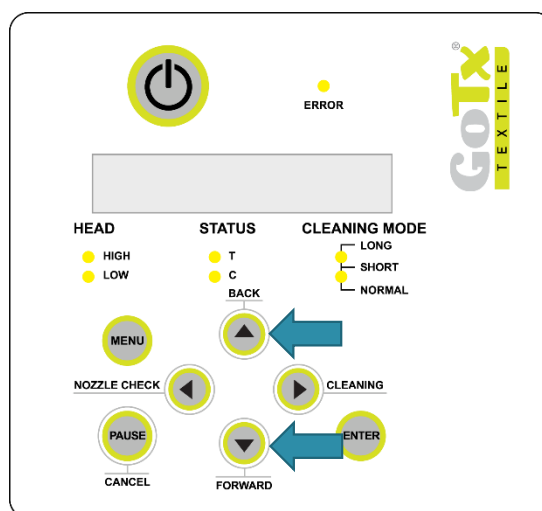
NOTE

- Refer to the following for Print mode.



5.1.1.1.1 Print Mode Menu

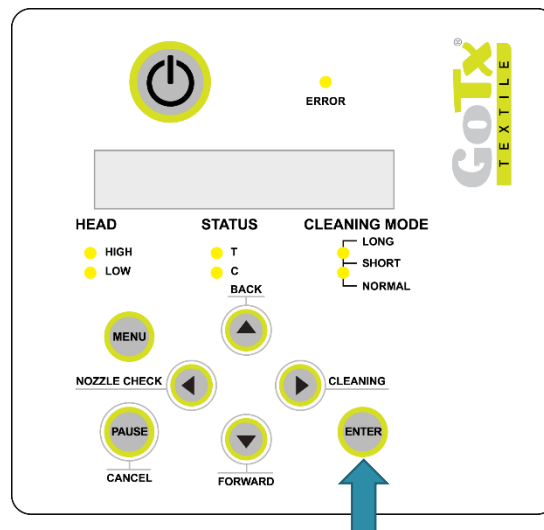
6. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 4.



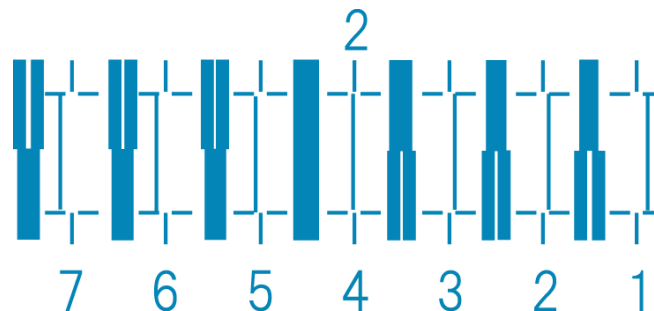
NOTE

- If you press the [Cancel] key on the Operation pane, the setting value will not be entered and the display returns to Adj.3: Fine Pattern.

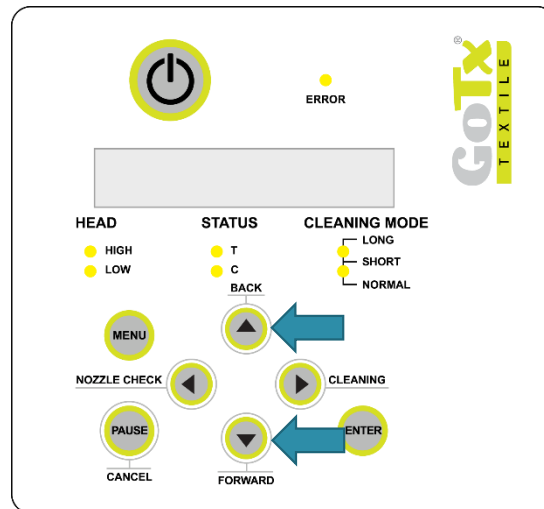
7. Press the [Enter] key on the Operation panel.



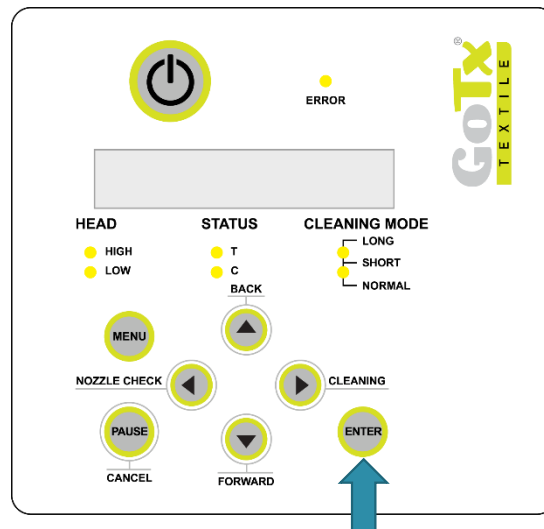
- Registers the setting.
 - Pattern*2: 4 (where * is the Pattern name, 2 is the head number, and 4 is the currently set value) is displayed next.
8. For Head 2, check the print results on both sides and center of the media and select the number that looks most aligned between 1 and 7.



9. Press the [Up/Back] key or [Down/Forward] key on the operation panel to enter the number that you selected in Step 8.



10. Press the [Enter] key on Operation panel.



- Registers the setting.
- Adj.3: Fine Pattern is displayed on the Operation panel.

3.11 Connecting the printer to PC

It is assumed that your GoTx dealer has appropriately set up the GoTx included PC and software with the GoTx printer. This section will therefore give an overview of the process of connecting the PC with the printer.

3.11.1 System requirements

The operating systems with which the GoTx 2190/2260 are compatible are as follows:

Operating System	Windows 10, Windows 8, Windows 7 (SP1 or later), Windows Vista (SP2 or later), Windows XP (SP3 or later)
------------------	--



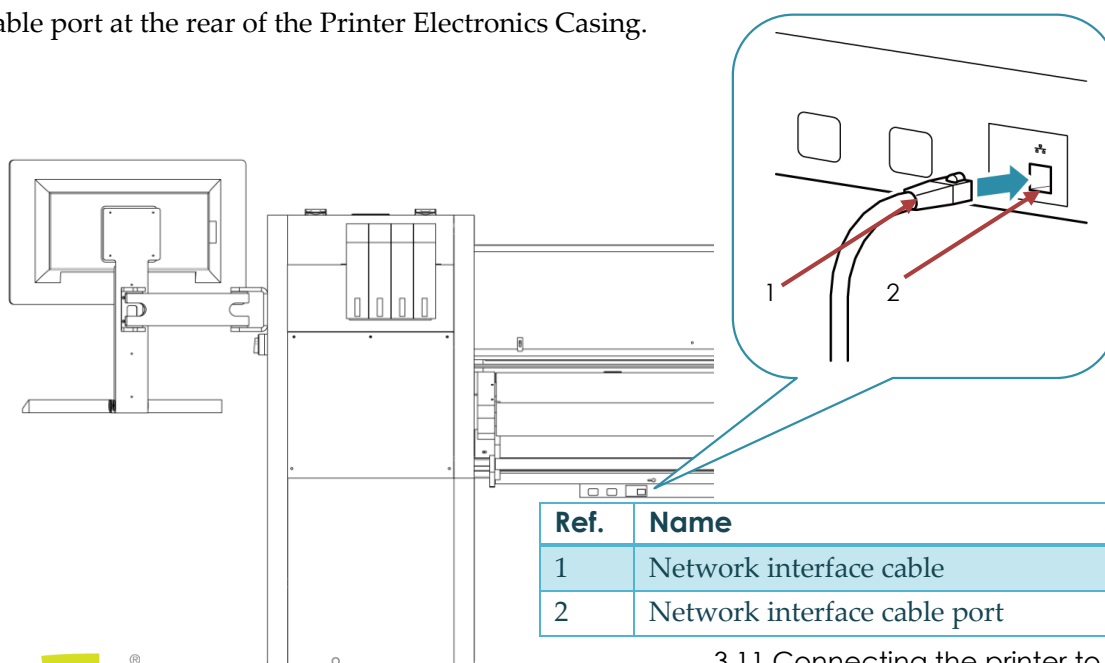
NOTE

- A large hard disk and memory are recommended in order to adequately process the data from the software RIP
- For the system requirements for the software RIP supplied by your GoTx dealer, refer to the operation manual of the software RIP.

3.11.2 Preparing Cables

The printer is equipped with a network interface for connecting with the PC that is located within the Maintenance Compartment of the GoTx printer. All necessary cables are pre-routed within the printer for this connection.

- Ensure that the other connector of the network interface cable is connected to a high-speed Ethernet port on the PC.
- Check that the connector of the network interface cable is connected to the network interface cable port at the rear of the Printer Electronics Casing.



**TIP**

Refer to the operation manual for the PC for further information regarding connecting to the PC

For the network settings of the printer, refer to the following.



5.1.20 IP Address menu



5.1.21 Subnet Mask menu



5.1.22 Gateway menu

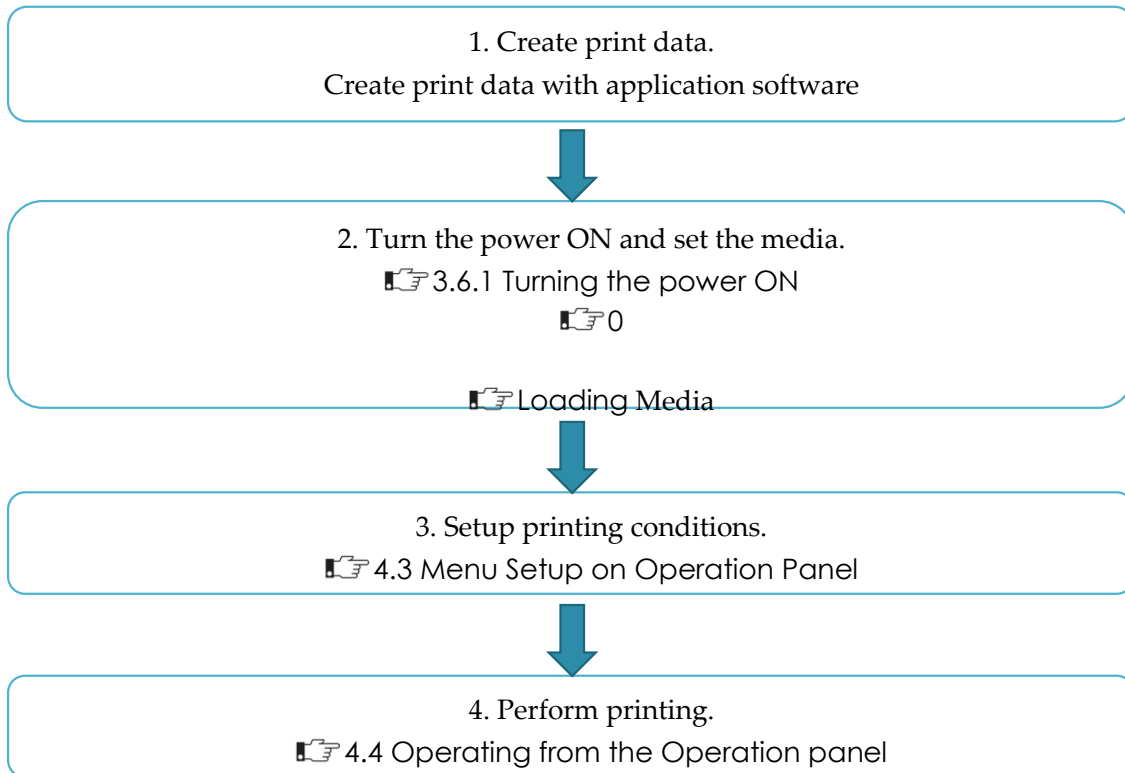
4. HANDLING THE PRINTER

This Chapter explains how to handle the printer.

4.1 Print Flow Chart

The following flow chart illustrates the procedure to perform printing with the printer.

Refer to each section as required.



4.2 Media

This section explains details of available media for this printer.

4.2.1 Media Type

The type and quality of the media (fabrics) used will greatly influence the print result.

Fully understand the following and use the media that matches the intended use.



NOTE

- *For details of the recommended media, contact your local GoTx dealer.*
 - *If the printer fails or malfunctions because of use of media other than the recommended media:*
 - *The printer will not be covered by warranty and any repair costs will be at the expense of the customer.*
 - *For details, refer to the following.*
 -  6 MAINTENANCE
 -  7 TROUBLESHOOTING
 - *To request a repair, contact your local GoTx dealer.*
-



TIP

When printing on media that is not recommended,

- Refer to the media manual or ask the media supplier for information on media types and appropriate settings for this printer.
 - Set the print quality according to 5.1.1 User Type menu
-

4.2.2 Cautions on Handling Media

Note the following points when handling the media



NOTE

- Use recommended media in an appropriate environment.
The appropriate temperature and humidity for printing are as follows;

	Temperature	Humidity
Operation environment	20° C (68F) to 32°C (90F)	40% to 60%, with no condensation
Printing accuracy guarantee range	22°C (72F) to 30°C (86F)	40% to 60%, with no condensation
Rate of change	2°C per hour or less	5% per hour or less

- Do not use media which is creased or cut.
- Media thickness can change with changes in humidity in the printing environment.
Before using media, leave the media for 30 minutes in the printing environment to adapt it to the environment.
Performing printing without adapting the media to the printing environment may result in wrinkles in the media and may give inconsistent print quality results.
- Avoid touching the media print area either before or after printing.
Moisture and oil on your hands may affect the print quality.

4.2.3 Precautions on Storing Media

Note the following points on storing media.

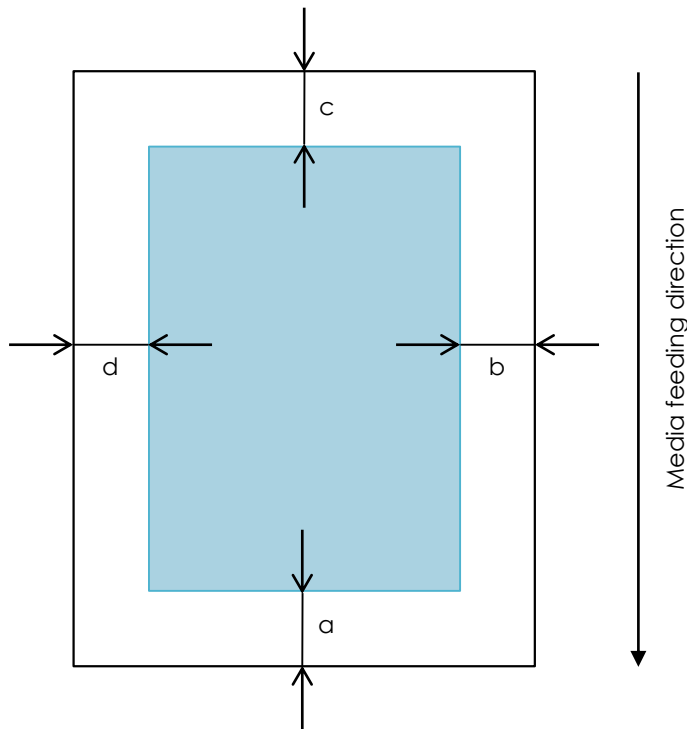


NOTE

- Store media in a cool, dry place. Avoid high temperatures, high humidity and direct sunlight.
- After removing the unused roll media from the Takeup assembly, be sure to wind it properly. Then wrap it in an individual bag.
- Keep the media dry.

4.2.4 Printable area

The printable area of the GoTx 2190 / 2260 is as follows (where edge detection is enabled, with newly loaded media roll, without lead):



$a = 5\text{mm}^{*1}$
 $b = 5\text{mm to } 25\text{mm}$
 $c = 5\text{mm}$
 $d = 5\text{mm to } 25\text{mm}$

*1 The value of a will be 15mm in the following cases:

- Immediately after media initialization
- When feeding the media by using [Backward] key
The value of a will be 40mm in the following cases:
- When Media Initial menu is set "Top&Width"

4.2.5 Head Height Adjustment

Printing at very high speed or using very thick or thickly textured media may cause the Print heads to rub on the media.

Changing the distance from the Print head surface to the media (head height) may allow you to prevent the Head from rubbing the media.

Head height can be changed to three levels.

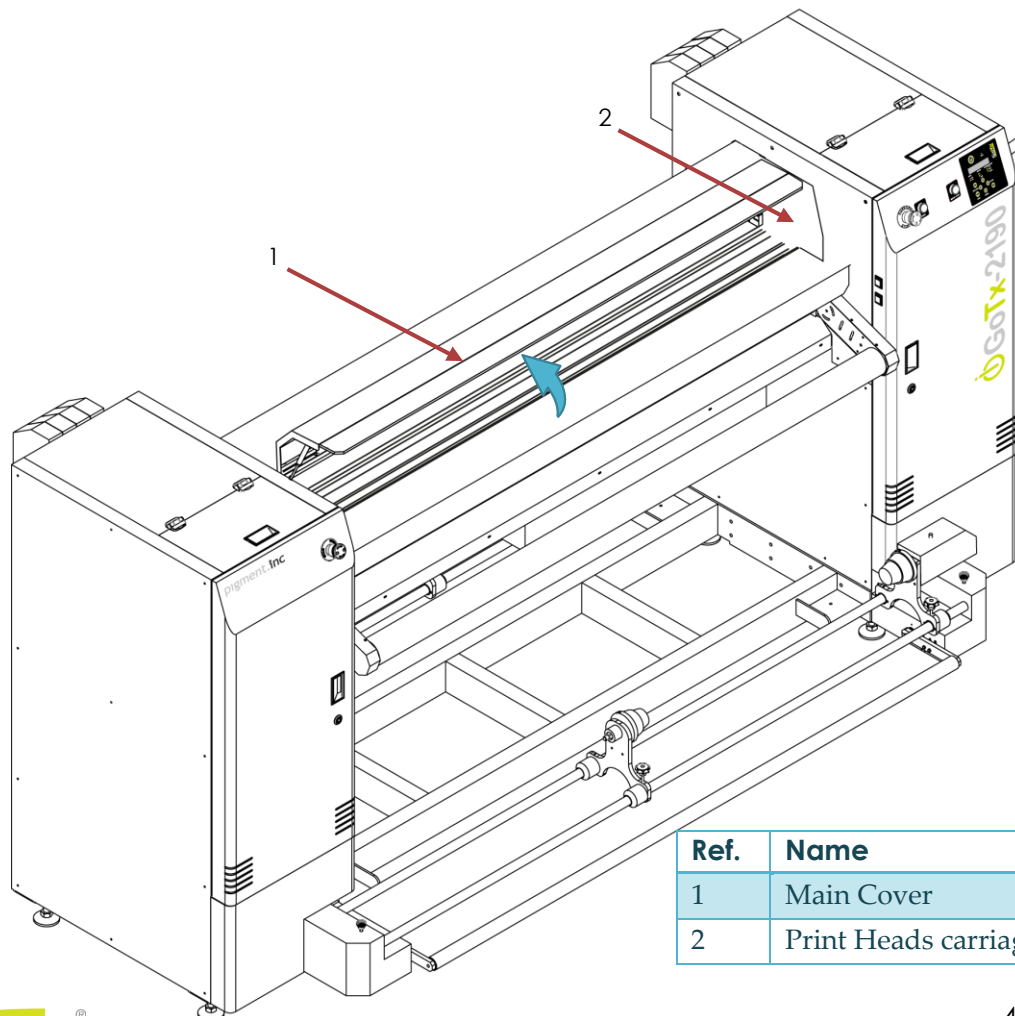
Follow the procedure below to change the head height.

4.2.5.1 Setting the head height to Mid

NOTE

- Do not open the Main CR Cover and change the head height during printing.
If the head height is changed, the alignment will be changed and high print quality will not be guaranteed.

- Lift the Main cover to the open position, locate the Head height adjustment lever (orange) located on the left side of the Print Heads Carriage within the Maintenance Compartment.



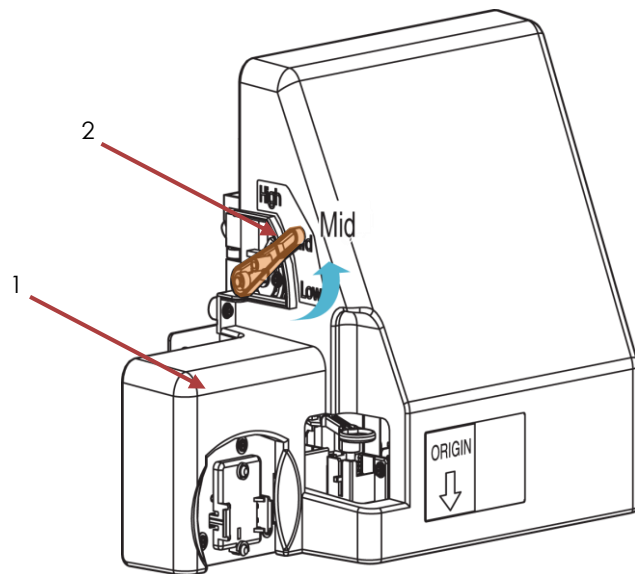
Ref.	Name
1	Main Cover
2	Print Heads carriage

- Change the head height by moving the Head height adjustment lever (orange).

Ref.	Name
1	Print Heads carriage
2	Head height adjustment lever

- The High lamp on the Operation panel will light up in green.
- The Low lamp on the Operation panel will light up in green.

- Close the main cover

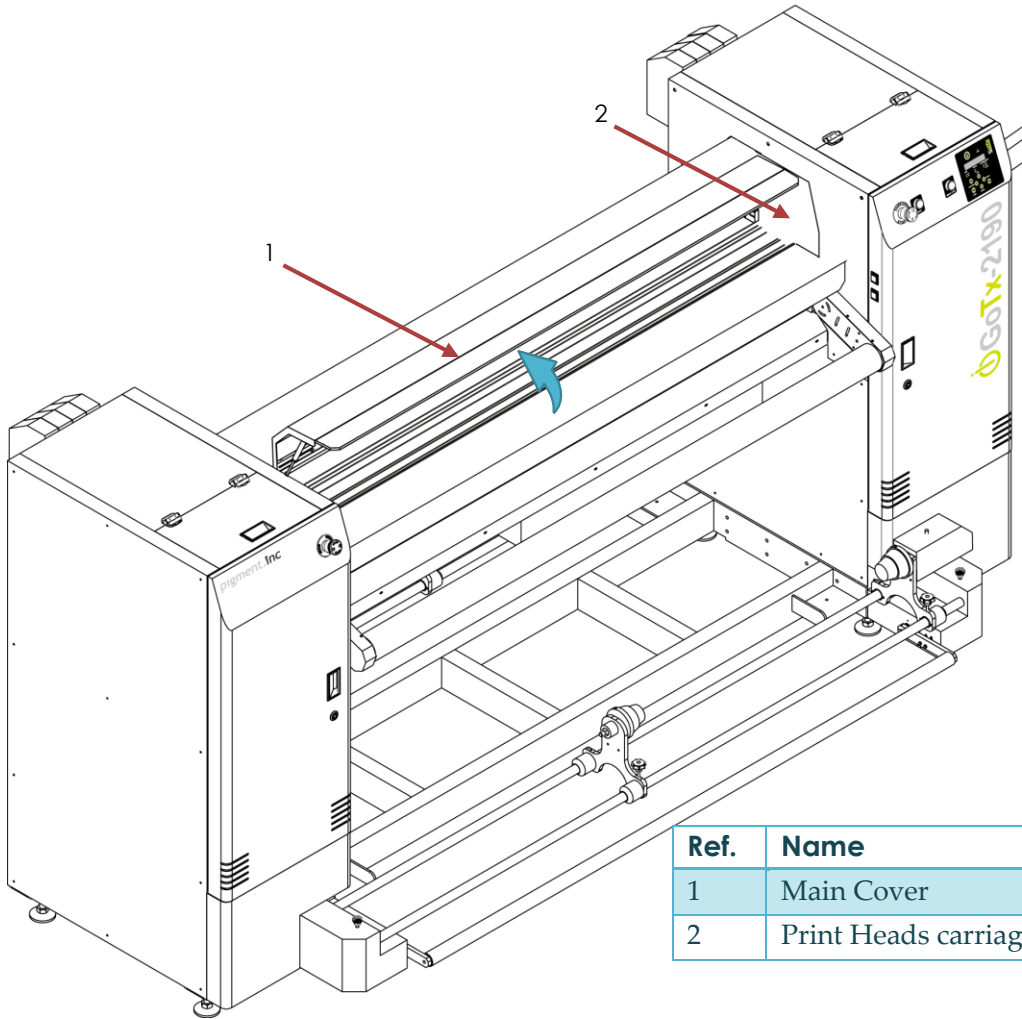


4.2.5.2 Setting the head height to High

NOTE

- If the Head height adjustment lever is raised to High, good print quality is not guaranteed.*
 - Do not open the Main CR Cover and change the head height during printing.*
- If the head height is changed, the alignment will be changed and high print quality will not be guaranteed.*

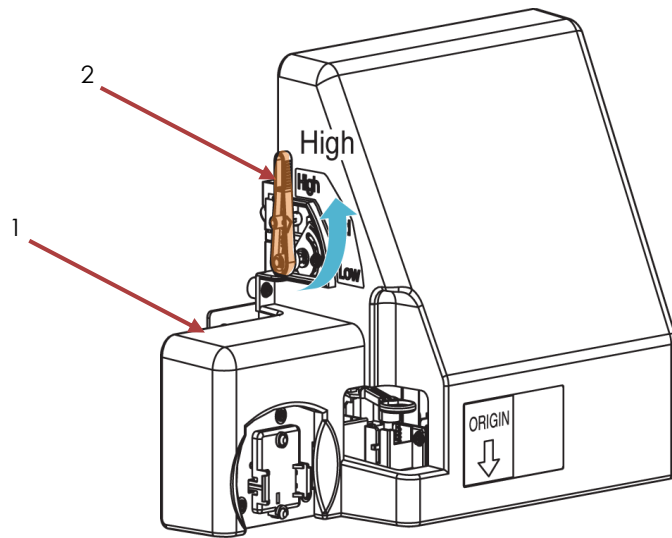
- 4. Lift the Main cover to the open position, locate the Head height adjustment lever (orange) located on the left side of the Print Heads Carriage within the Maintenance Compartment.



Ref.	Name
1	Main Cover
2	Print Heads carriage

5. Change the head height by moving the Head height adjustment lever (orange).

Ref.	Name
1	Print Heads carriage
2	Head height adjustment lever



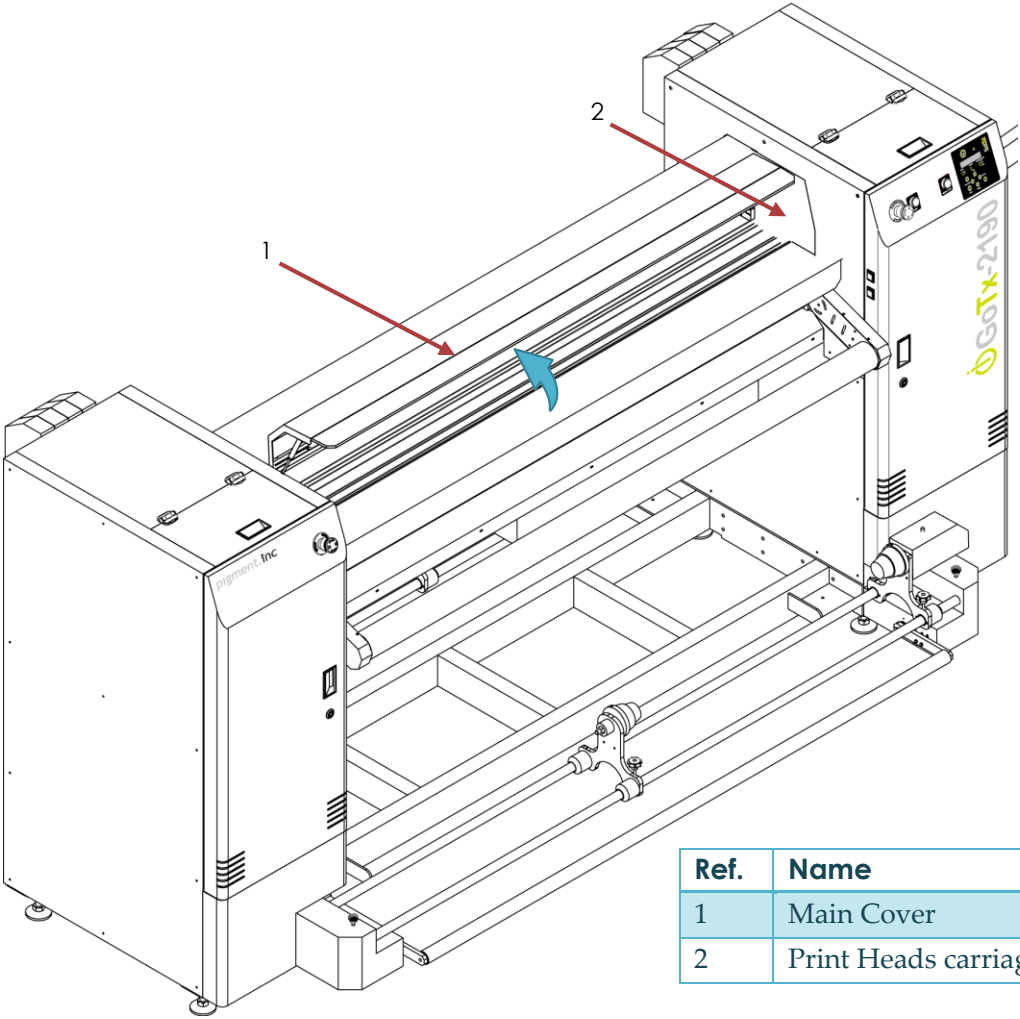
- The High lamp on the Operation panel will light up in green.
6. Close the main cover

4.2.5.3 Setting the Head height to Low

NOTE

- *Do not open the Main CR Cover and change the head height during printing.
If the head height is changed, the alignment will be changed and high print quality will not be guaranteed.*

7. Lift the Main cover to the open position, locate the Head height adjustment lever (orange) located on the left side of the Print Heads Carriage within the Maintenance Compartment.



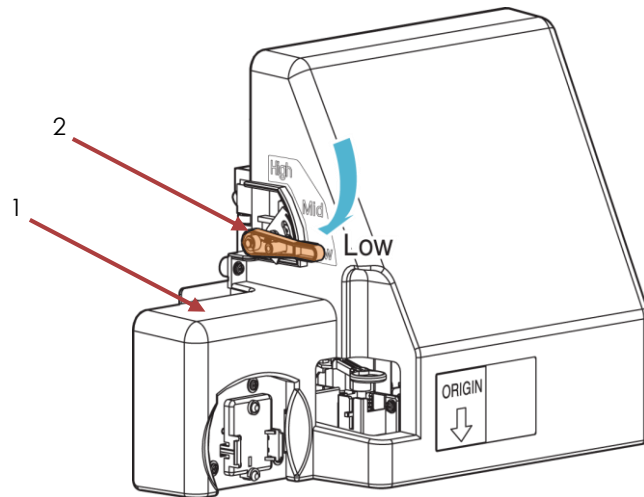
Ref.	Name
1	Main Cover
2	Print Heads carriage

8. Change the head height by moving the Head height adjustment lever (orange).

Ref.	Name
1	Print Heads carriage
2	Head height adjustment lever

- The Low lamp on the Operation panel will light up in green.

9. Close the main cover



4.2.6 Media Feed compensation

The section explains the Media feed compensation.

The feeding length (the distance the media is feed through the print area with each pass of the print heads) will depend on the media type and is variable with variations in media stretch, texture and thickness.

Prints with inaccurate media feed length for the specific media being used may exhibit the following:

- Printed images overlap (showing as regular dark lines or bands across the printed media)
- Printed image gaps (showing as regular white space lines or bands across the printed media).

The accuracy of media feeding may be improved by:

1. Setting a media feed compensation value for each Media Type

 4.2.6.2 Procedure for setting the media feed compensation value

2. Ensuring that the media is loaded and set correctly

 3.8 Loading Media

4.2.6.2 Procedure for setting the media feed compensation value

1. Display the Dist. Adj menu on the Operation panel.
 - a. Press the [Menu] key on the Operation panel.
 - Menu1: Setup> is displayed on the Operation panel
 - The operation panel shifts to the Setup menu display.

- b. Press the [>] key on the Operation panel.
 - Set1: User Type is displayed on the Operation panel.
- c. Press the [Enter] key on the Operation panel.
 - User: TypeXX (XX is a number between 1 and 15) is displayed on the Operation panel.
- d. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select the user type to use (where user type is set for each specific media).
- e. Press the [Enter] key on the Operation panel.
 - **>1: Print Mode is displayed on the Operation panel.



TIP

The selected user type (Type 1 to 15) is displayed in "***"



5.1.1 User Type menu

- f. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select **>3: PF Adjust.
- g. Press the [>] key on the Operation panel
 - PF1: Initial Print is displayed on the Operation panel.
 - Proceed to the Dist.Adj menu.



5.1.1.1.3 Media feed compensation

2. Perform Initial Adjust Print

- a. Press the [Enter] key on the Operation panel.
 - Feed Length:250mm is displayed on the Operation panel.



TIP

The length of the media that is fed (feeding length) for initial adjustment printing is normally set at 250mm.

If you increase the feeding length, the accuracy of the Media feed compensation improves. To change the feeding length, press the [Up/Back] key or [Down/Forward] key on the Operation panel and change the set value.

- b. Press the [Enter] key on the Operation panel.
 - Printing is displayed on the Operation panel.
 - The printer will start the initial adjustment printing.



Ref.	Name
1	Feed Length
2	Media feeding direction

- When the initial adjustment printing is complete, the printer enters Normal status.
3. Measure the distance between the two pluses (+) in the initial adjustment print using a ruler.
 4. Set up Initial Adjust Change.
 - a. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select PF2: Initial Change.
 - b. Press the [Enter] Key on Operation panel.
 - Init.: 250.0/250 mm is displayed on the Operation panel.
 - c. Press the [Up/Back] key or [Down/Forward] key on the Operation panel and enter the measured value in Step 3.
 - d. Press the [Enter] key on Operation panel.
 - The initial adjustment value is saved.
 - PF2: Initial Change is displayed on Operation panel.
 5. Perform Confirm Print.
 - a. Press the [Up/Back] key or [Down/Forward] key on the Operation panel to select PF3: Confirm Print.
 - b. Press the [Enter] key on the Operation panel.
 - Feed Length: 250 mm is displayed on the Operation panel.



TIP

The length of the media that is fed (feeding length) for initial adjustment printing is normally set at 250mm.

If you increase the feeding length, the accuracy of the Media feed compensation improves. To change the feeding length, press the [Up/Back] key or [Down/Forward] key on the Operation panel and change the set value.

- c. Press the [Enter] key on the Operation panel.
 - Printing is displayed on the Operation panel.
 - The printer will start the confirmation adjustment printing.

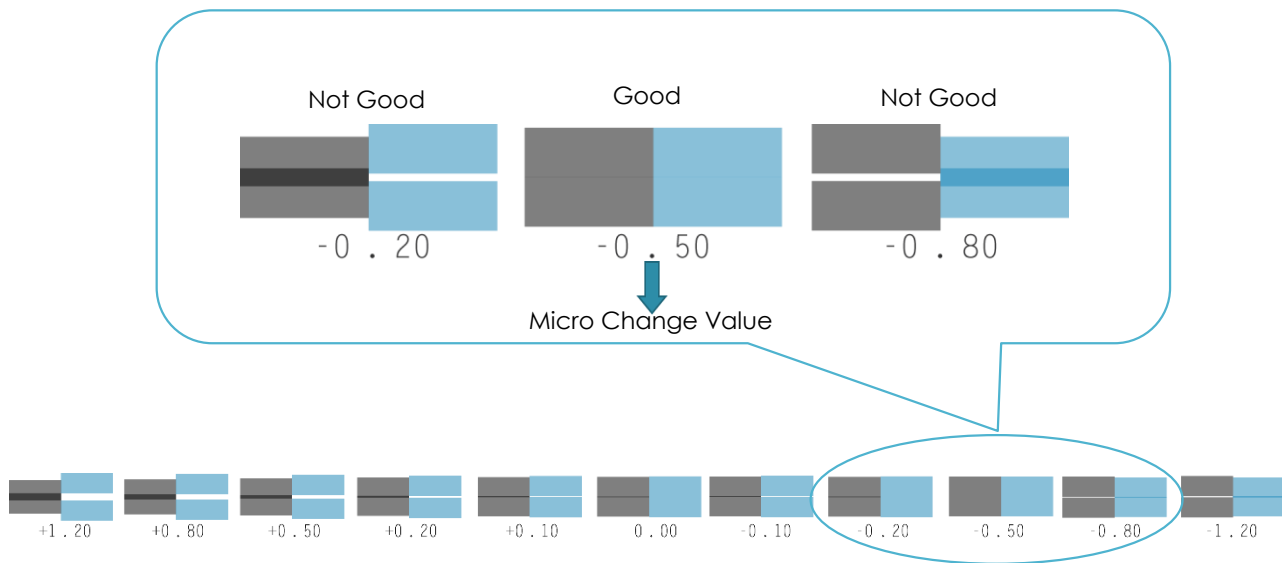


- When the initial adjustment printing is complete, the printer enters Normal status.
6. Measure the distance between the two pluses (+) in the initial adjustment print using a ruler.

Then, confirm that the distance matches the feeding length (in this example, 250mm) when printing.

 - a. If the distance does not match the feeding length, follow the procedure from Step 1 to Step 5 and readjust.
 - b. If the distance matches the feeding length, proceed to step 7.
 7. Perform the Micro Adjustment Print.
 - a. Display the Dist.Adj menu on Operation panel in the same way as in Step 1.
 - b. Press the [Up/Back] key or [Down/Forward] key on the operation panel to select PF4: Micro Print.
 - c. Press the [Enter] key on Operation panel.
 - Printing is displayed on the Operation panel.
 - The printer will start the micro adjustment printing.

- Check the printed pattern and micro change value
 - In the pattern, look for a place that has the least white lines or overlapping in images.
The number printed below the good pattern is the micro change value.



- After the micro adjustment printing is completed, PF4: Micro Print is displayed on the Operation panel.

8. Set up Micro Adjustment Change.

- Press the [Up/Back] key or [Down/Forward] key on the operation panel to select PF5: Micro Change.
- Press the [Enter] key on the Operation panel.
 - Micro Change: 0.00% is displayed on the Operation panel.
- Press the [Up/Back] key or [Down/Forward] key to change the value displayed on the Operation panel until it matches the value determined from the printing result in Step 7.
- Press the [Enter] key on the Operation panel.
 - The micro adjustment value is saved (The saved micro change value will be shifted to the vase value (0.00) for future pattern printing.)
 - PF5: Micro Change is displayed on the Operation panel.

9. Press the [Menu] key on the Operation panel.

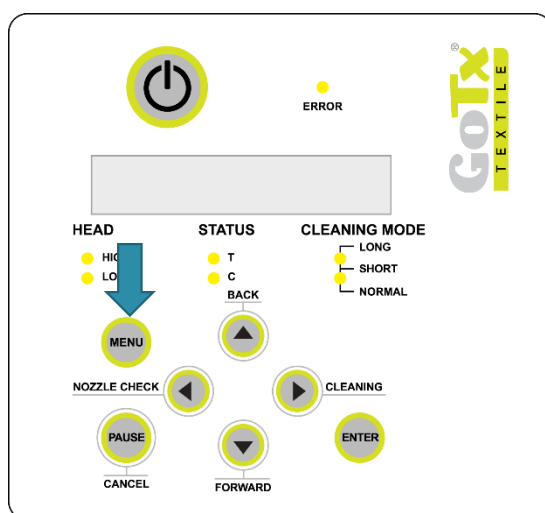
- Operation panel returns to Normal.
- The adjustment of media feed compensation value is complete.

4.3 Menu Setup on Operation Panel

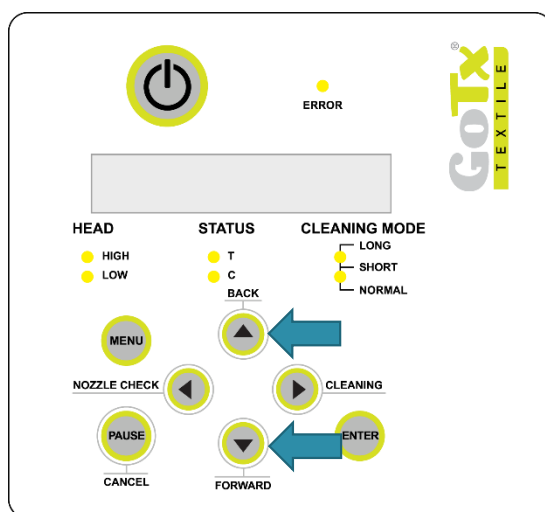
4.3.1 Menu setup procedure

Follow the procedure below to configure each setup menu.

1. Confirm that Operation panel is Normal.
2. Press the [Menu] key on Operation panel.



- Menu1: Setup> is displayed on Operation panel.
3. Press the [Up/Back] key or [Down/Forward] key on the Operation panel to select a setup item and press the [>] key.

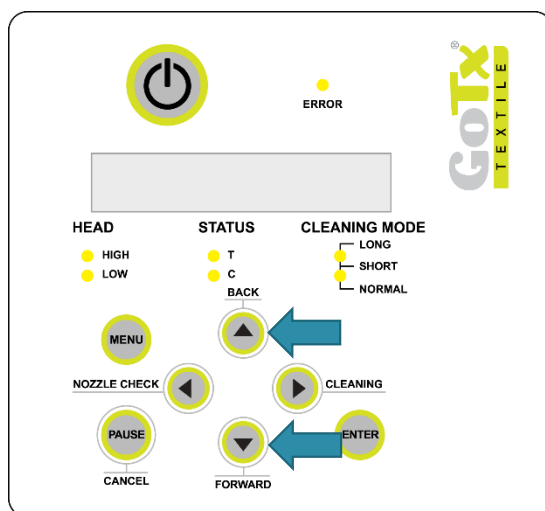


- The settings will be confirmed.
- When setup items have a submenu, the display shifts to the next menu.

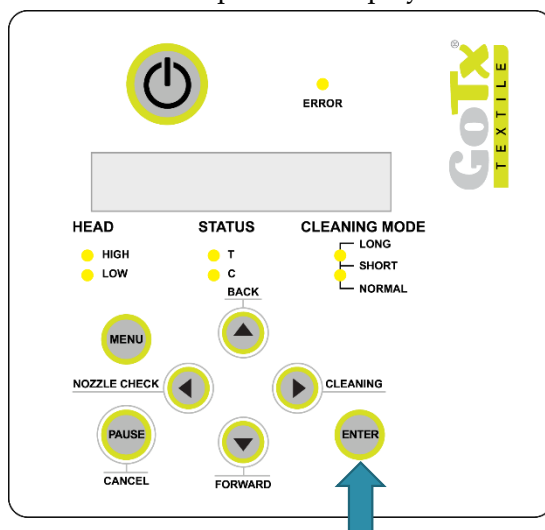
**NOTE**

- When a setup item has a submenu, > is displayed on the right end of the LCD monitor of the Operation panel.
- For the general outline of each setup item, refer to 4.3.2 Panel setup menu overview

4. If a setting on the LCD monitor of the Operation panel is blinking, it can be changed.
Press the [Up/Back] key or [Down/Forward] key on the Operation panel to change the setting.
5. To save the changed setting, press the [Enter] key on the Operation panel.



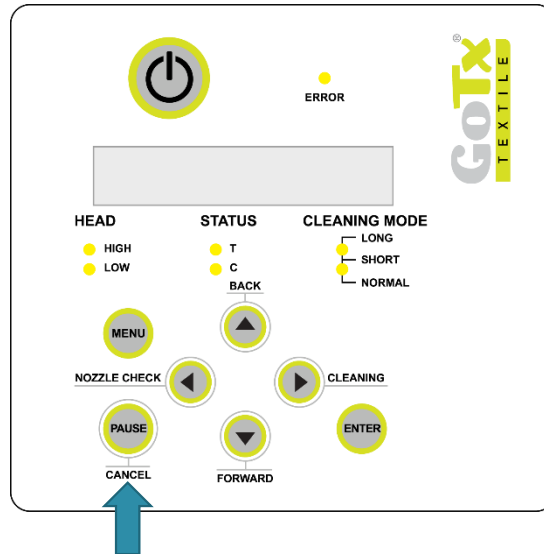
- The setting is saved and the next setup item is displayed.

**NOTE**

- If you press the [Cancel] key without pressing the [Enter] key after changing a setting, the changed setting will not be saved.

4.3 Menu Setup on Operation Panel

6. Press the [Cancel] key on the Operation panel to exit from the setup.



- Return to the menu in the previous hierarchy.

4.3.2 Panel setup menu overview

This section explains the outline of each menu.

The following lists the menu items in the Panel setup menu.

<i>Setup Item</i>	<i>Description</i>
Setup menu	Configure various printer settings.
Test Print menu	Perform Print head nozzle check print, and setup list print.
Cleaning menu	Performs head cleaning.
Menu Option menu	Sets up the contents of the Setup menu.
Version menu	Displays the printer firmware version.
Sleep Mode menu	Configure Sleep mode settings.
Display menu	Sets the language and unit displayed on the LCD monitor of the Operation panel.
Job status	Displays information about the previous print job.



TIP

For details of each setup item, refer to 5 PANEL SETUP MENU.

4.4 Operating from the Operation panel

This section explains various functions that can be performed from the Operation panel.



TIP

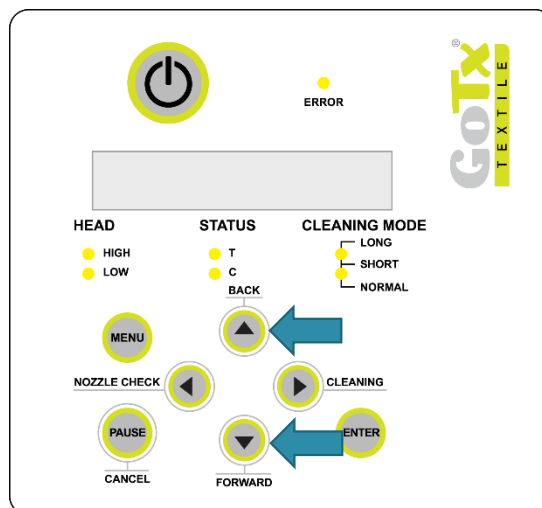
For names and functions of each key, refer to 2.2.5 Operation Panel.

4.4.1 Feeding media

You can feed the roll media to a position that you desire.

Follow the procedure below to feed media

1. Confirm that the Operation panel is Normal
2. Confirm that roll media is loaded and set 3.8 Loading Media
3. Press the [Up/Back] key or [Down/Forward] key on the Operation panel.



- The media is fed forward or backward.
4. Release the [Up/Back] key or [Down/Forward] key on the Operation panel after feeding the media to the desired position.



NOTE

- The Media Jog Switch can also be used to feed the media to the desired position 3.8.2 Setting Roll Media

4.4.2 Stopping printing operation

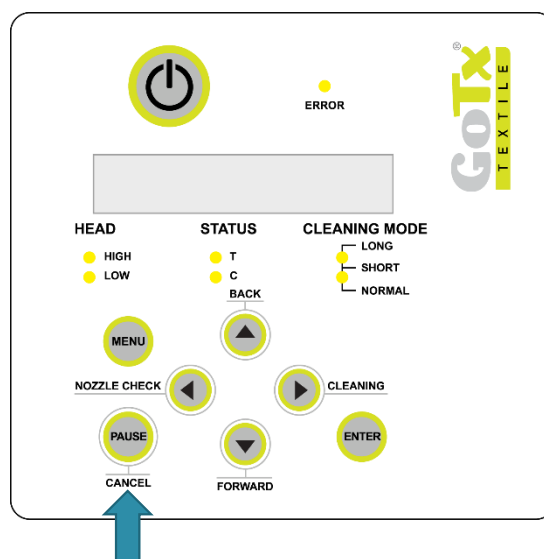
If you wish to stop printing for some reason, operate as follows:

1. Stop sending printing data from the computer to the printer.

NOTE

- The method for cancelling a print job from the computer will vary dependent upon the RIP being used. Refer to your RIP manual for further details.

2. Press and hold the [Cancel] key on the Operation panel for more than 2 seconds.



- The printer operates as follows:

Printer status	Operation when [Cancel] key pressed for two seconds
During printing	Terminates the printing, and deletes that print job data remaining in the printer.
Receiving data Analyzing data	Perform Print head nozzle check print, and setup list print.

NOTE

- If a large amount of data has already been sent to the printer, the Operation panel may not return to Normal by a single [Cancel] key operation. In such cases, wait for a few seconds and press and hold the [Cancel] key again for more than 2 seconds.

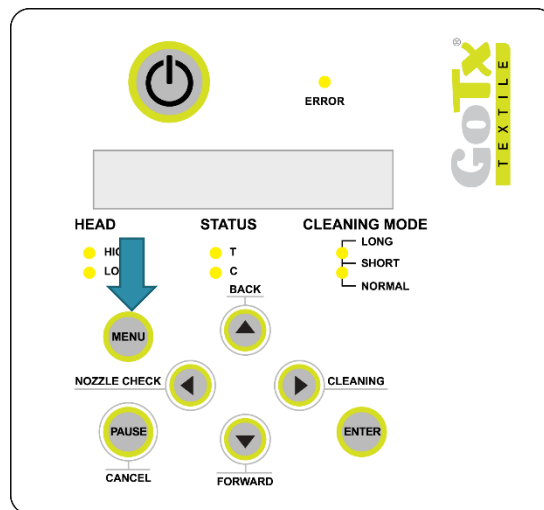
4.4.3 Changing and confirming settings while printing

While the printer is operating, you can change or confirm settings for the Panel setup menu.

4.4.3.1 Procedure for changing and confirming settings while printing

Follow the procedure below to change or confirm settings for the Panel setup menu.

1. Confirm that the printer is in one of the following conditions.
 - Receiving data
 - Analyzing data
 - Printing
2. Press the [Menu] key on Operation panel.



- The following will be displayed on Operation panel.

Menu1: PF Micro Adj.

3. Press the [Up/Back] key or [Down/Forward] key to change or confirm settings.



NOTE

- For the setting items whose settings can be changed or confirmed, refer to 4.4.3.2 Settings that can be changed or confirmed while printing.

4.4.3.2 Settings that can be changed or confirmed while printing



NOTE

- When you change a setting during operation, be sure to select "Backup" to save the setting that you changed.
If the printer returns to Normal without "Backup" being selected, the changed setting is not saved.
- Check the following before using the Job status items
 - The values displayed in the Job status items are rough indications only. They do not guarantee strict accuracy.
 - If the length information is not included in the print data, "0" is displayed for all items.
 - You can check the "remaining print" and "remaining time" in the way described in 4.4.5 Normal Display while Printing.
 - To check the information about the printed data, refer to the following.
 5.8 Job Status menu.

Setup Item	Setting	Description	Reference
PF Adjust	-5.00% to 0.00% to 5.00%	Change the feed adjustment value	 5.1.1.1.3 Media feed compensation
Backup	--	• [Enter] key: Save the changed setting.	--
Job Status	ToDo Length	• Check the whole length of the data (media feed direction) currently being printed.	--
	Done	• Check the printed length of the data currently being printed.	
	Remain	• For the data currently being printed, check the length of the data that has not been printed.	
	Remain Time	• Displays the time remaining for printing.	
--	--	• [Cancel] key: The printer returns to Normal.	--

4.4.4 Pausing printing

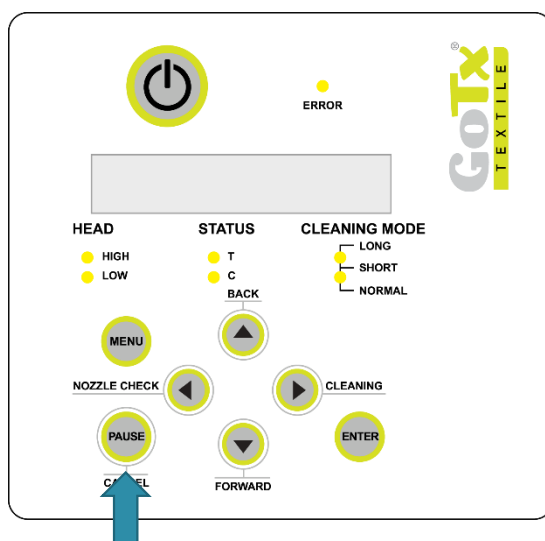
It is possible to pause to print during printing.

Follow the procedure below to pause or restart printing.

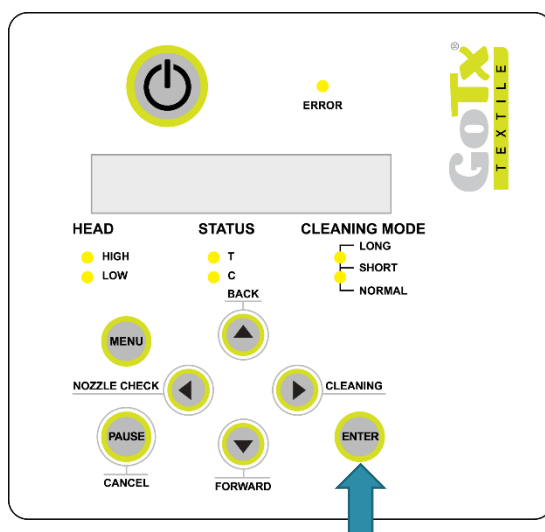
NOTE

- *If printing is paused, there is no guarantee that the print will resume correctly and in position.*

1. Check that the printer is in operating mode.
2. Press the [Pause] key on Operation panel.



- The printer pauses printing.
 - PrintRestart → ENTER is displayed on the Operation panel.
3. To restart printing, press the [Enter] key on the Operation panel.



- The printer restarts printing.

4.4.5 Normal Display while Printing

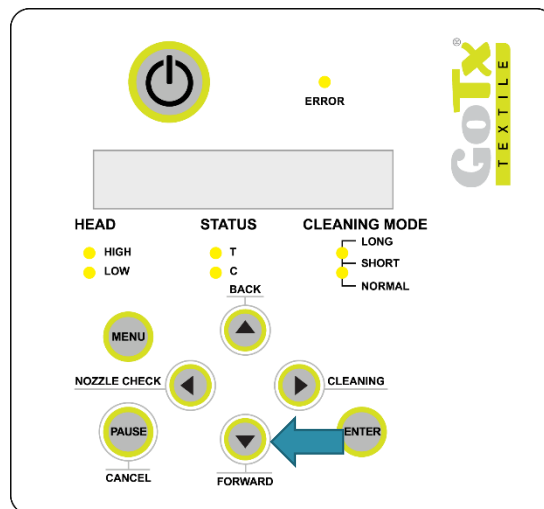
The remaining length and remaining time to complete the currently printing data can be displayed by an easy operation.

NOTE

- *The values displayed in this function are estimated values, accuracy is limited.*
- *If the print data sent from the computer RIP does not include length data, all information will be displayed as 0.*
- *To check more detailed information of currently printing data, please refer to the below.*
 4.4.3.2 Settings that can be changed or confirmed while printing
- *To check the information of the printed data, please refer to the below.*
 5.8 Job Status menu.

Follow the procedures below to display the information.

1. Check if the printer is printing data.
2. Press the [Down/Forward] key on the Operation panel to display Print Remain.



- The remaining length of data currently printing will be displayed (m = metres).

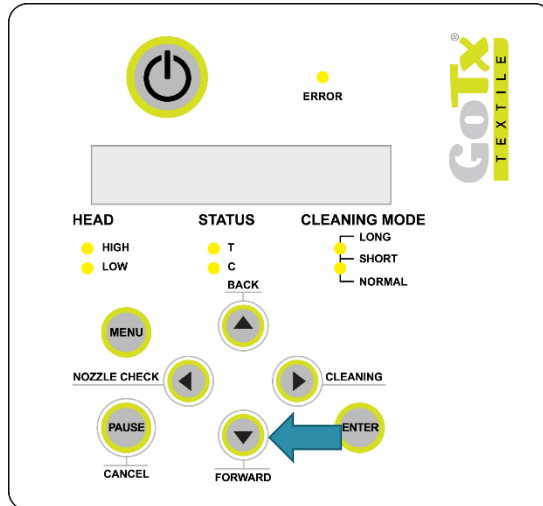
Print Remain xxx.xm

TIP

- When the length display setting is set to inch, the length will be displayed in inches.
 5.7.3 Length menu
- The [Up/Reverse] key on the Operation panel also can switch the display. In that case, [Remain Time] will be displayed first.

4.4 Operating from the Operation panel

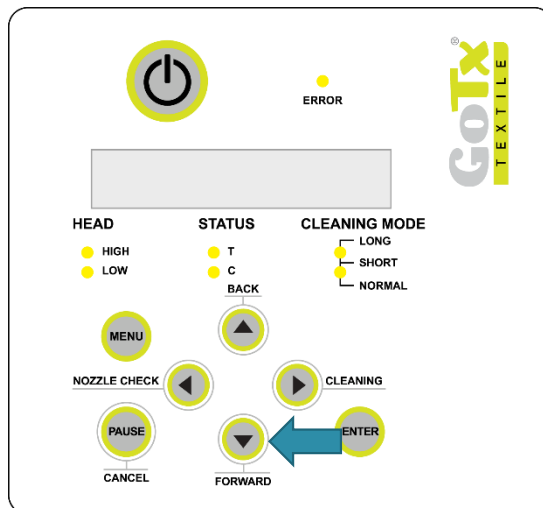
3. Press the [Down/Forward] key on the Operation panel to display **Remain Time**.



- The remaining length of data currently printing will be displayed (min = minutes).

Remain Time xxxxnin

4. Press the [Down/Forward] key on the Operation panel to display **Roll Remain**.



- The remaining length of roll media will be displayed (m = metres).

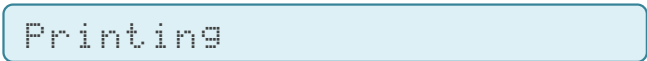
Roll Remain xxxn



NOTE

- The remaining roll media is displayed when the 5.1.15.1 Roll Length menu is set to other than OFF

5. To return the display to **Printing**, press the [Down/Forward] key on the Operation panel.



Printing

5. PANEL SETUP MENU

This section explains the Setup menu of the printer.

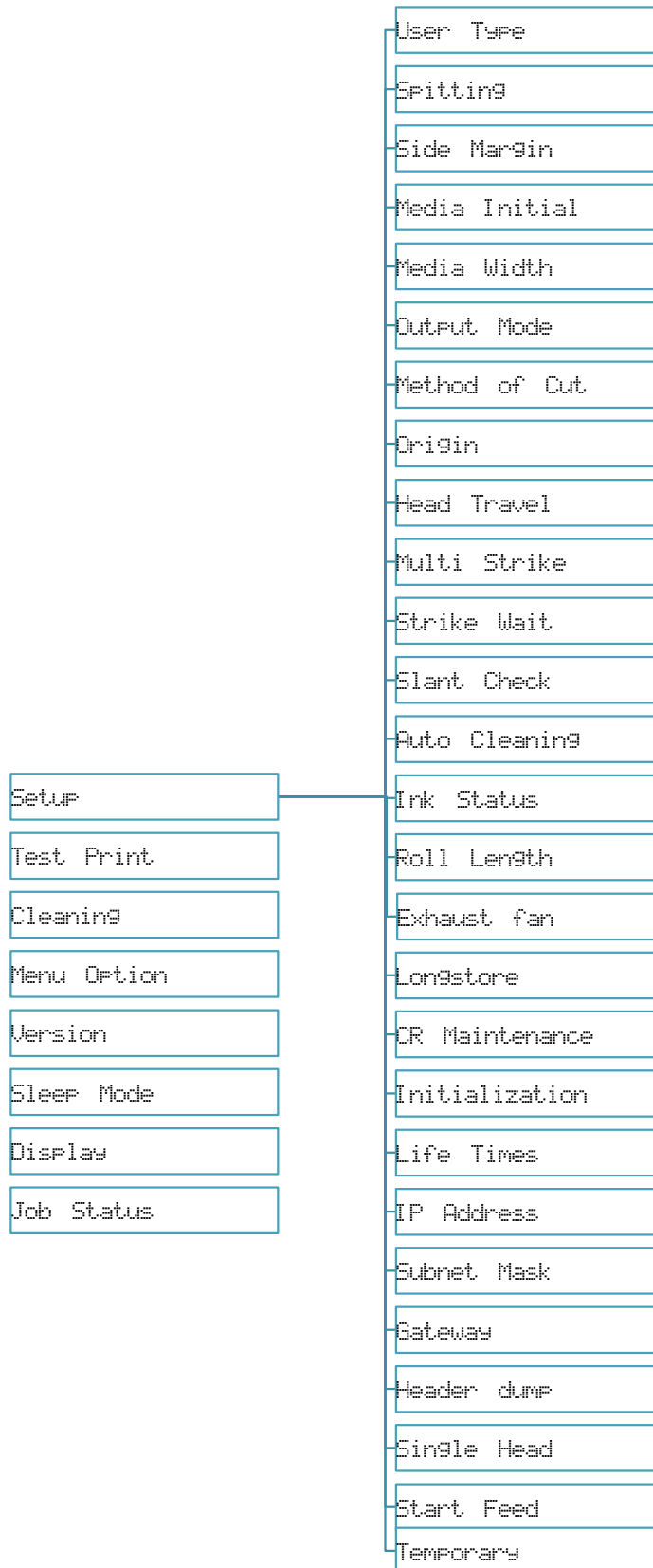
<i>Setup Item</i>	<i>Description</i>
Setup menu	Configure various printer settings.  5.1 Setup Menu
Test Print menu	Perform Print head nozzle check print, and setup list print.  5.2 Test Print Menu
Cleaning menu	Performs head cleaning.  5.3 Cleaning menu
Menu Option menu	Sets up the contents of the Setup menu.  5.4 Menu Option menu
Version menu	Displays the printer firmware version.  5.5 Version menu
Sleep Mode menu	Configure Sleep mode settings.  5.6 Sleep Mode menu
Display menu	Sets the language and unit displayed on the LCD monitor of the Operation panel.  5.7 Display menu
Job status	Displays information about the previous print job.  5.8 Job Status menu

TIP

- Items marked with < > in each list are factory default settings (default).

5.1 Setup Menu

The Setup menu allows configuration of various printer settings.



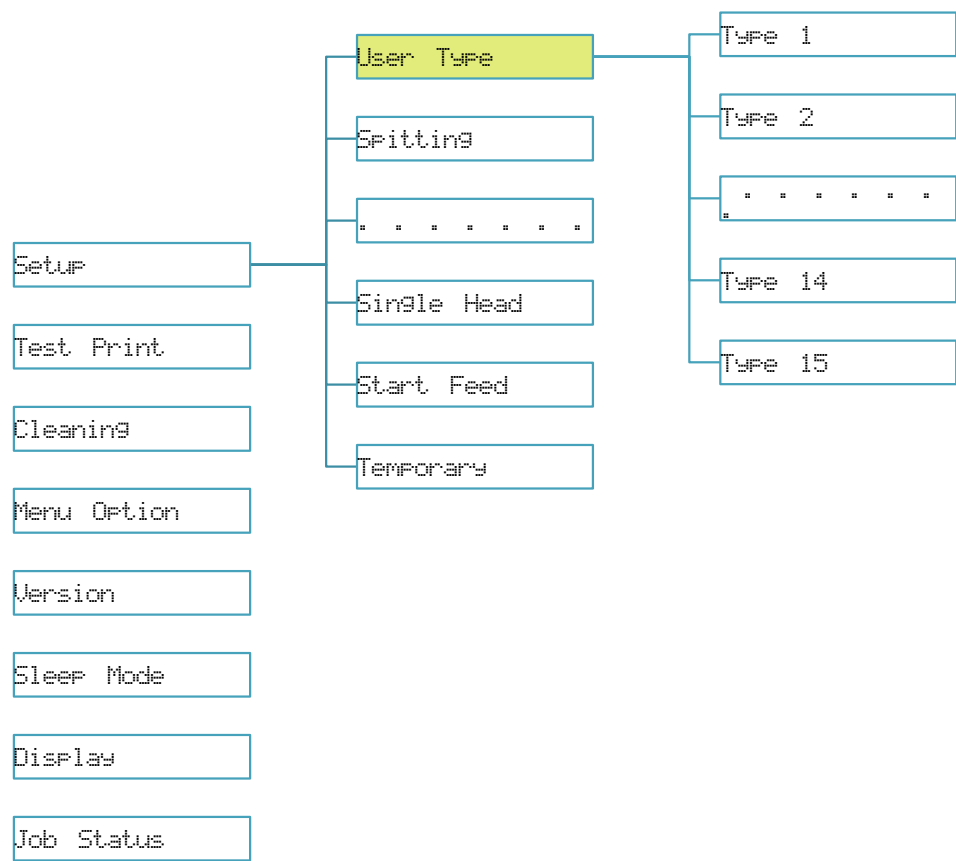
Setup Menu	
<i>Setup Item</i>	<i>Description</i>
User Type	Sets the user type setting for printing. • [Enter] key: shifts to the sub menu  5.1.1 User Type menu
Spitting	Sets up the spitting operation while printing. • [Enter] key: shifts to the sub menu  5.1.2 Spitting Menu
Side Margin	Specifies the right and left margins of the printed media. • [Enter] key: shifts to the sub menu  5.1.3 Side Margin menu
Media Initial	Sets whether to detect the media width and edge while initializing the media. • [Enter] key: shifts to the sub menu  5.1.4 Media Initial menu
Media Width	Specifies the media width between the loading mark and the left end of the media if media detection is not performed during media initialization. Displays the detected media width if media detection is performed during media initialization. • [Enter] key: shifts to the sub menu.  5.1.5 Media Width menu
Output Mode	Sets the media ejection method after printing. • [Enter] key: shifts to the sub menu.  5.1.6 Output Mode menu
Method of Cut	Sets the media cutting method after printing. • [Enter] key: shifts to the sub menu.  5.1.7 Method of Cut menu
Origin	Sets the beginning of printing (origin point) of the print data • [Enter] key: shifts to the sub menu.  5.1.8 Origin menu
Head Travel	Sets up the range that the Print Head moves while printing. • [Enter] key: shifts to the sub menu.  5.1.9 Head Travel menu
Multi Strike	Sets up the overwrite count per line. • [Enter] key: shifts to the sub menu.  5.1.10 Multi Strike menu

Setup Menu	
Setup Item	Description
Strike Wait	Sets up the waiting time while overwrite printing. [Enter] key: shifts to the sub menu.  5.1.11 Strike Wait menu
Slant Check	Sets up slanting detection during media loading. [Enter] key: shifts to the sub menu.  5.1.12 Slant Check menu
Auto Cleaning	Sets up the time for auto cleaning during standby, before printing, and during printing. [Enter] key: shifts to the sub menu.  5.1.13 Auto Cleaning menu
Ink Status	Displays the various information about Ink cartridges (ink status) that are installed in Slots. [Enter] key: shifts to the sub menu.  5.1.14 Ink Status menu
Roll Length	Sets up the roll media length. [Enter] key: shifts to the sub menu.  5.1.15 Roll Length (Roll media) menu
Exhaust fan	Set the operation of Exhaust fan. [Enter] key: shifts to the sub menu.
Longstore	Wash Print head with the cleaning fluid. [Enter] key: shifts to the sub menu.  5.1.16 Longstore menu
CR Maintenance	Performs maintenance. [Enter] key: shifts to the sub menu.  5.1.17 CR Maintenance menu
Initialization	Returns the settings of the printer to default. [Enter] key: shifts to the sub menu.  5.1.18 Initialization menu
Life Times	Displays the operational life time of each part. [Enter] key: shifts to the sub menu.  5.1.19 Life Times menu
IP Address	Sets the IP address of the printer. [Enter] key: shifts to the sub menu.  5.1.20 IP Address menu
Subnet Mask	Sets the subnet mask of the printer. [Enter] key: shifts to the sub menu.  5.1.21 Subnet Mask menu

Setup Menu	
Setup Item	Description
Gateway	Sets the gateway. [Enter] key: shifts to the sub menu.  5.1.22 Gateway menu
Header dump	Set whether or not to display the Header dump menu. [Enter] key: shifts to the sub menu.  5.1.23 Header Dump menu
Single Head	You can set whether or not to perform printing using only one Print head. [Enter] key: shifts to the sub menu.  5.1.24 Single Head menu
Start Feed	You can change the margin setting between images. [Enter] key: shifts to the sub menu.  5.1.25 Start Feed menu
Temporary	Displays the settings of "Off" or "ALL Off" in the Selection menu in the Setup menu temporarily. [Enter] key: returns to the previous menu with all set up items displayed. [Cancel] key: returns to the previous status in the Selection menu when the Setup menu is displayed.  5.4 Menu Option menu
--	[Cancel] key: shifts to the previous menu.  5.1 Setup Menu

5.1.1 User Type menu

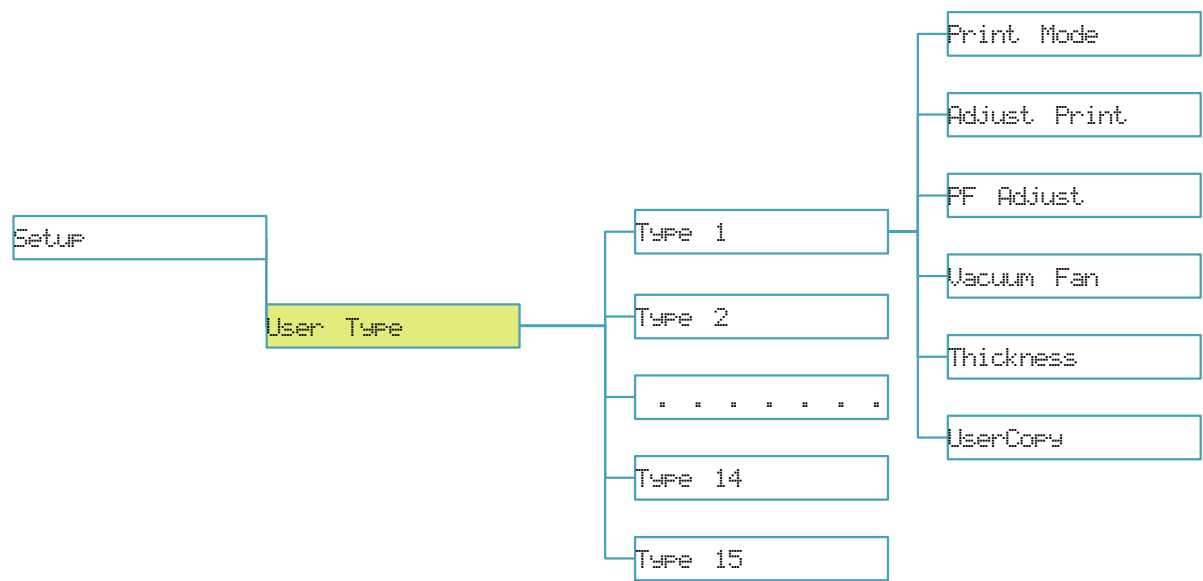
Select User type settings for printing. Allows for the storage of printing settings specific to a specific media. Up to 15 sets of settings can be stored and re-called for use when printing to a specific media.



User Type menu		
Setup item	Setting	Description
User Type	Type 1	Sets the user type setting for printing.
	Type 2	It is possible to set 15 different user settings as "Type 1 to 15" for printing.
	...	
	Type 14	
	Type 15	[Enter] key: shifts to the sub menu. 👉 5.1.1.1 User Type advanced setup menu
	—	[Cancel] key: saves the setting and shifts to the previous menu. 👉 5.1.1 User Type menu

5.1.1.1 User Type advanced setup menu

Various settings on the user type settings are configured via this menu.
In the User Type menu, 15 different settings can be set as Type 1 to 15 for the following printing operations.



User Type advanced setup menu		
Setup item	Setting	Description
Type 1 to 15	Print Mode	Sets up the print mode according to the usage of print data or print speed. • [Enter] key: shifts to the sub menu.  5.1.1.1.1 Print Mode Menu
	Adjust Print	Sets up when adjusting the printer for the optimum quality of image print. • [Enter] key: shifts to the sub menu.  5.1.1.1.2 Adjust Print Menu
	PF Adjust	Sets up various settings on the media feed compensation. • [>] key: shifts to the sub menu.  5.1.1.1.3 Media feed compensation
	Vacuum Fan	Sets up vacuum fan operation. • [Enter] key: shifts to the sub menu.  5.1.1.1.4 Vacuum Fan menu
	Media Thickness	Set the thickness of the media you are using. • [Enter] key: shifts to the sub menu.  5.1.1.1.5 Media thickness menu
	UserCopy	Copies the setting values of the user type currently selected to a different user type collectively. • [Enter] key: shifts to the sub menu.  5.1.1.1.6 UserCopy menu

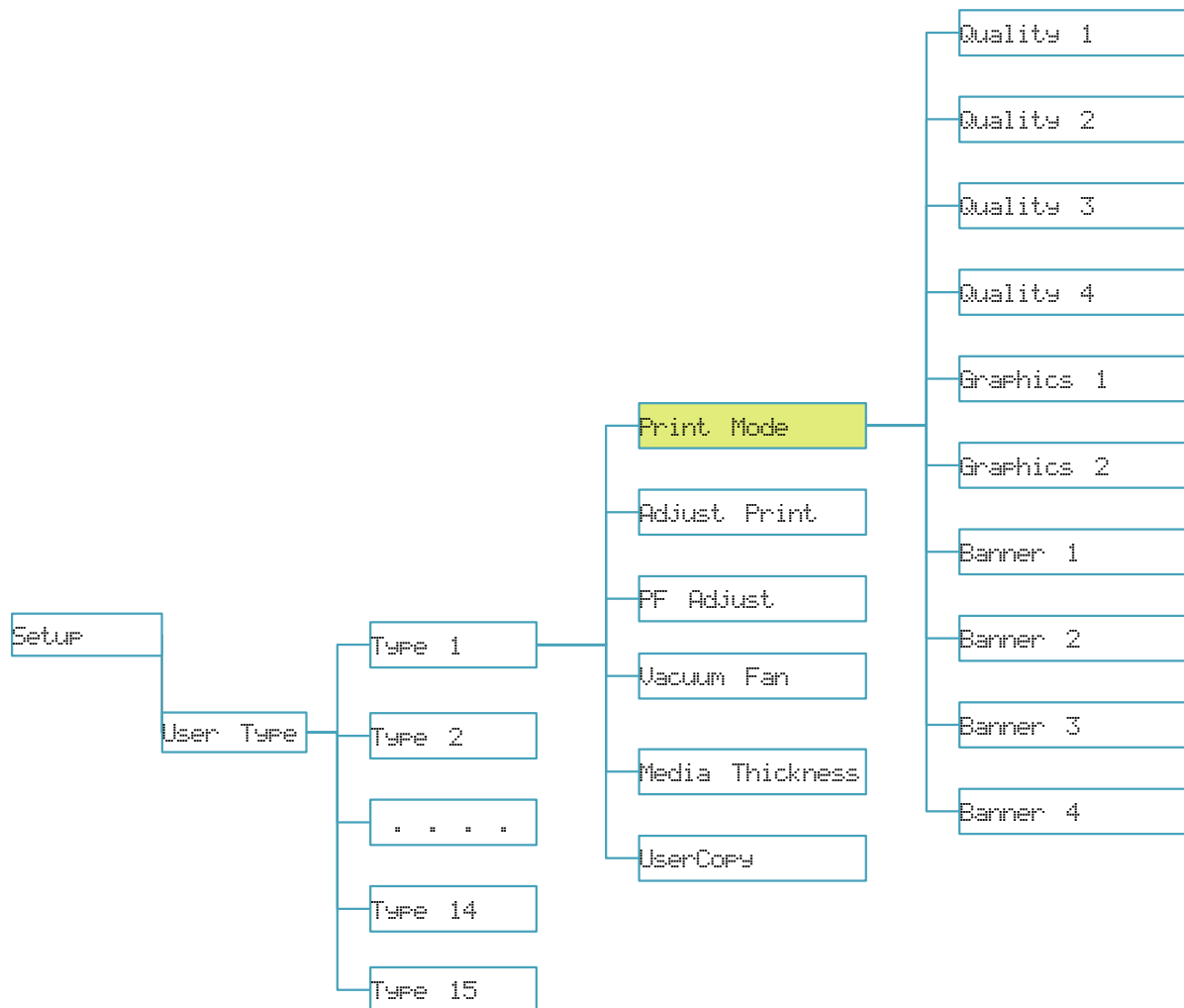
5.1.1.1.1 Print Mode Menu

Settings for print quality (print mode) are set for specific print data & print speeds.



NOTE

- *Print Mode settings are ignored / overwritten by the computer software RIP. There is no purpose for operation of the GoTx 2190 / 2260 in setting any options for Print Mode using the Print Mode menu.*
- *The Print Mode menu is discussed here briefly for the purpose of completeness only.*



**NOTE**

- After setting the Print mode, the display changes to the Effect menu.
 p. 178 Effect menu

Print Mode menu		
Setup item	Setting	Description
Mode	Quality 1	Sets up the print mode .
	Quality 2	• Quality 1 to 4: Suitable for printing photos. Sets up to perform high quality printing.
	Quality 3	
	Quality 4	• Graphics 1 to 2: Suitable for printing photos. Sets up to perform standard printing.
	Graphics 1	
	<Graphics 2>	• Banner 1 to 4: Suitable for outdoor signs and test printing. Sets up to perform high speed printing.
	Banner 1	
	Banner 2	
	Banner 3	
	Banner 4	Displays details of each print mode while pressing g[>] key. Details of print mode
	--	• [Enter] key: saves the setting and shifts to the sub menu. p.178 Effect menu • [Cancel] key: cancels the setting and shifts to the previous menu. 5.1.1.1 User Type advanced setup menu

**NOTE**

- The following information does not apply when using Computer RIP to process and send print jobs to the GoTx 2190/2260 – any Print Mode type adjustments should be made through the Computer RIP
 - Printed images may be blurry or unclear depending on the media and print mode. In such cases, the following can be changed to attempt to make the printed images sharper and clearer:
 - When using Bi-directional mode (refer to the following chart Details of print mode), switch it to unidirectional print mode.
 - When using Graphics 1 to 2, change to Quality 1 to 4.

Details of print mode

The defined values of print quality that are registered in each print mode are as follows.



NOTE

- In the chart below, the print speed becomes faster as the settings approach the following cases:
 - Having few number of passes
 - Having lower resolution
 - Printing direction is bi-directional

In actual printing, the selected effect affects the printing speed.



p.178 Effect menu

Print Mode details			
Print Mode	Resolution	Pass	Direction
Quality 1	1440x 1440dpi	16 times	Uni (Uni-Direction)
Quality 2	1440x 1440dpi	16 times	Bi (Bi-Direction)
Quality 3	720 x 1440dpi	8 times	Uni (Uni-Direction)
Quality 4	720 x 1440dpi	8 times	Bi (Bi-Direction)
Graphics 1	720 x 1080dpi	6 times	Uni (Uni-Direction)
Graphics 2	720 x 1080dpi	6 times	Bi (Bi-Direction)
Banner 1	720 x 720dpi	4 times	Uni (Uni-Direction)
Banner 2	720 x 720dpi	4 times	Bi (Bi-Direction)
Banner 3	360 x 720dpi	2 times	Uni (Uni-Direction)
Banner 4	360 x 720dpi	2 times	Bi (Bi-Direction)

Effect menu

Sets up the Effect menu.

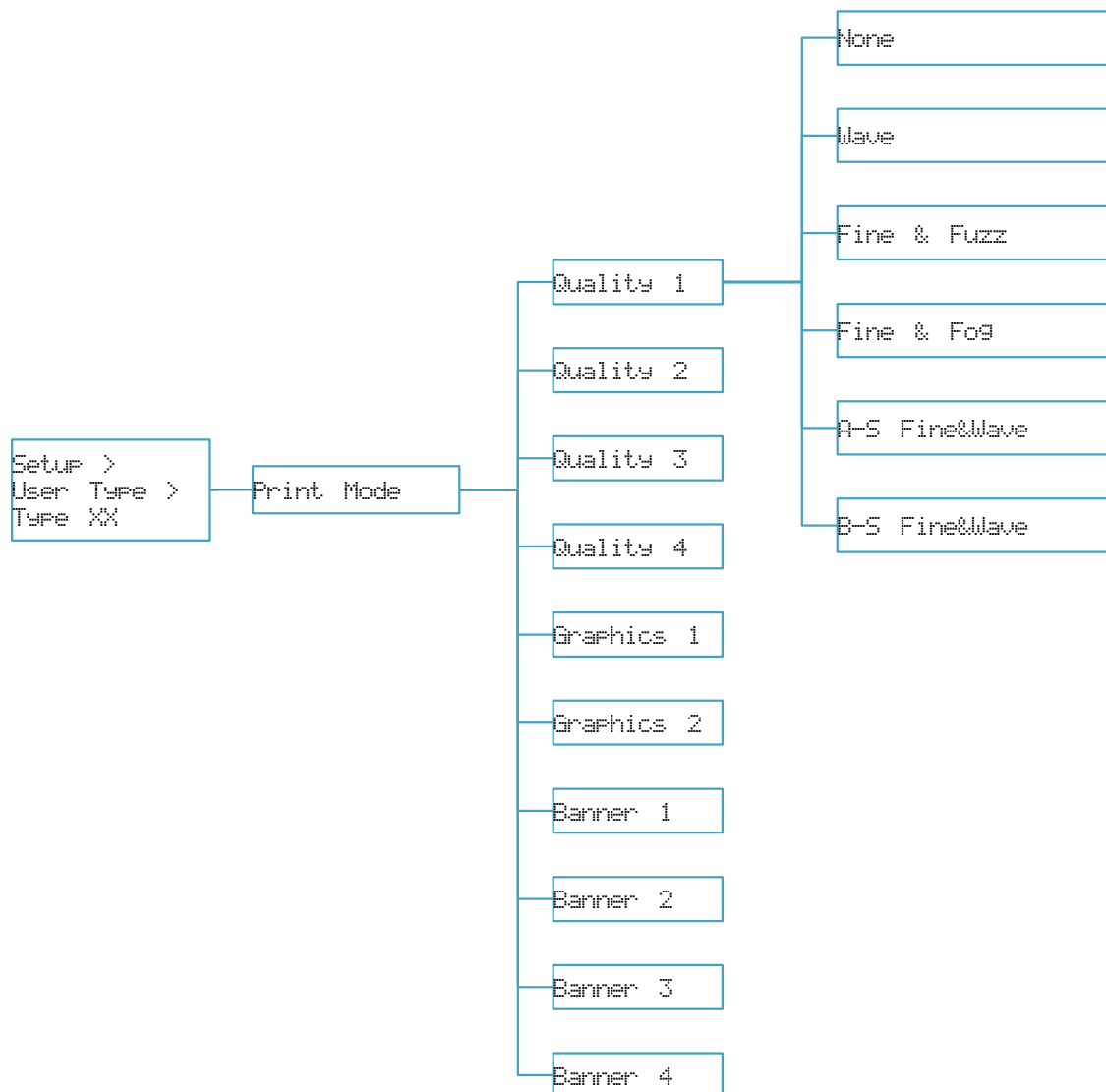
Set up this menu when you want to improve print quality by adjusting the set print mode.

 NOTE

- *The following information does not apply when using Computer RIP to process and send print jobs to the GoTx 2190/2260 – any Print Mode type / Effects adjustments should be made through the Computer RIP*

 NOTE

- *Print Quality may not be improved by adjusting the set print mode, depending on other factors that may be influencing the print quality.*



Effect	Setup item	Setting	Description
Effect		<None> *1	The Effect function is not used.
		Wave	The join between print passes (of the print heads) will be in a wave form. The print quality may be improved over the None setting.
		Fine&Fuzz	The join between print passes (of the print heads) will be in a shaded wave form. Printing will be at a slower speed than "Wave".
		<Fine&Fog> *1	The join between print passes (of the print heads) will be shaded. Set this when there is horizontal unevenness in Fine&Fuzz. Prints at a slower speed than Fine&Fuzz
		A-S.Fine&Wave	Performs "Wave" printing using the left side of the Print head. Since only half of Print head nozzles are used, printing speed becomes a half of "Wave". Set up this menu to improve the print quality compared with "Fine&Fuzz". If used when one side of the nozzles are clogged, quality deterioration may be avoided.
		B-S.Fine&Wave	Performs "Wave" printing using the right side of the Print head. Since only half of Print head nozzles are used, printing speed becomes a half of "Wave". Set up this menu to improve the print quality compared with "Fine&Fuzz". If used when one side of the nozzles are clogged, quality deterioration may be avoided.
		—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.1.1.1 Print Mode Menu

*1 The initial values of effect differ as shown below depending on the selected print mode.

Print Mode	Initial effect value
Quality 1 to 4	Fine&Fog
Graphics 1 to 2	
Banner 1 to 2	
Banner 3 to 4	None

5.1.1.1.2 Adjust Print Menu

Sets up when adjusting the printer for the optimum quality of image print.

**NOTE**

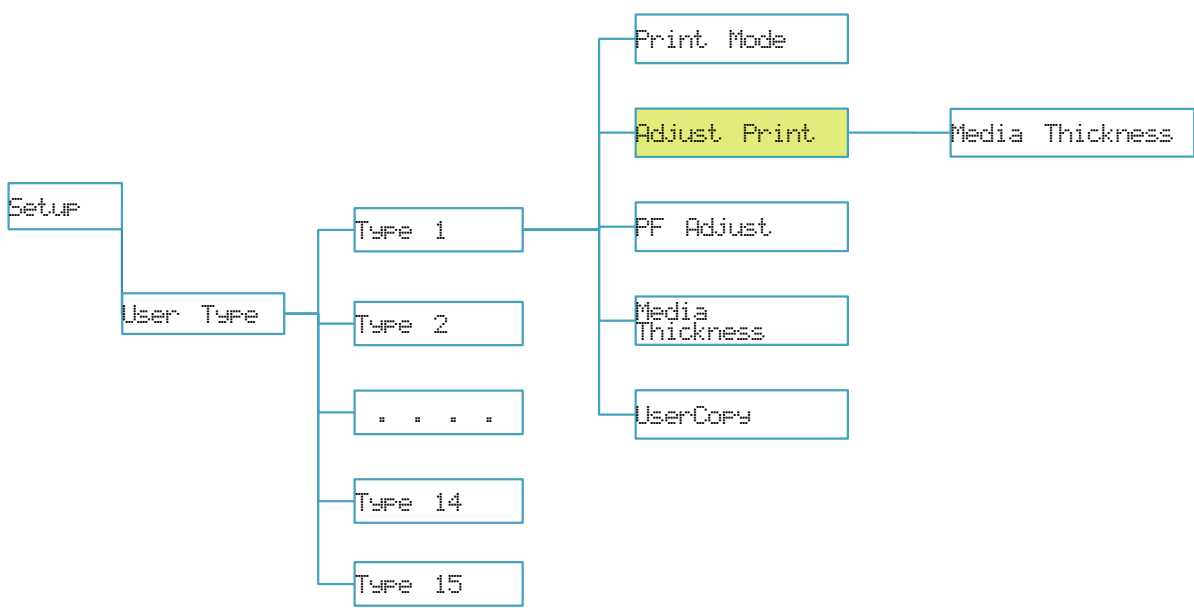
- *As the Print quality adjustment is tied to the Print Mode, and Print Modes set in the printer are overridden / ignored when printing via the Computer RIP, there is no value to be gained by performing the Standard Print quality adjustment for the GoTx 2190 / 2260.*
- The Standard Print Quality adjustment settings are included here only for completeness*

**NOTE**

- *If you create a new user type setting, or change a user type setting after adjustment the Standard adjust print, make sure to make the Print quality adjustment again.*
- *If you change the print mode after performing a standard head alignment, make sure to make the Print quality adjustment also.*
- *As all print modes are adjusted at once when performing the Custom Print quality adjustment, it is not necessary to make another Print quality adjustment after changing the print mode.*
- *When using the computer RIP for sending print jobs to the printer, perform the Custom head adjustment and check all patterns (A to F), and then adjust any patterns that are misaligned beforehand.*
- *Print quality may be improved by a Head alignment in the following situations:
For adjustment procedure, see 0*

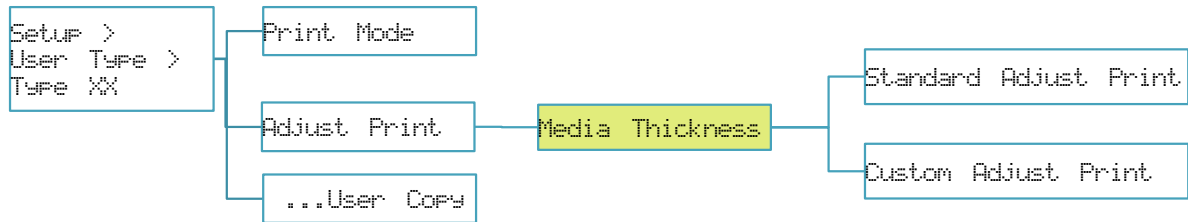
Head alignment

- *Print quality is poor when using the uni-direction print mode*
 - *Print quality does not improve even after performing a print quality adjustment*
 - *After performing a head alignment, make sure you perform the print quality adjustment, as the head alignment may cause misalignment in the print quality adjustment.*
-



Adjust Print		
Setup item	Setting	Description
Adjust Print	Media Thickness	Shifts to the menu where you can enter the thickness of the media you are using. 5.1.1.1.5 Media thickness menu
	—	[Cancel] key: shifts to the previous menu. 5.1.1.1 User Type advanced setup menu

Media thickness menu



Media Thickness		
Setup item	Setting	Description
Media Thickness	80μm to <170μm> to 2800μm	Enter the thickness of the media you are using. [Enter] key: saves the setting and shifts to the sub menu. p. 182 Standard Adjust Print menu p. 184 Custom Adjust Print menu
	—	[Cancel] key: shifts to the previous menu. 5.1.1.1 User Type advanced setup menu

NOTE

- The settings here are the same as 5.1.1.1.5 Media thickness menu.

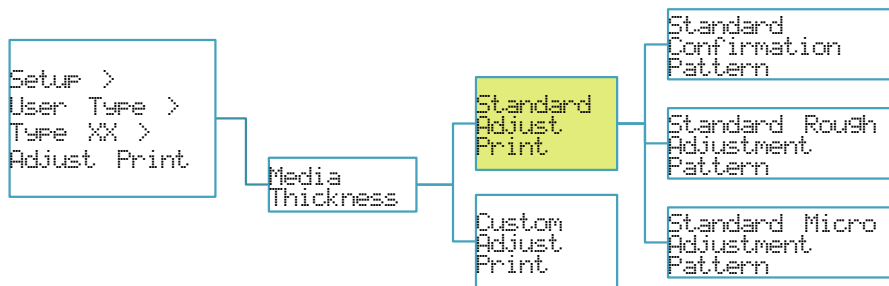
Standard Adjust Print menu

Adjusts only the print mode in the user type setting which is currently set.

NOTE

- As the Print quality adjustment is tied to the Print Mode, and Print Modes set in the printer are overridden / ignored when printing via the Computer RIP, there is no value to be gained by performing the Standard Print quality adjustment for the GoTx 2190 / 2260.

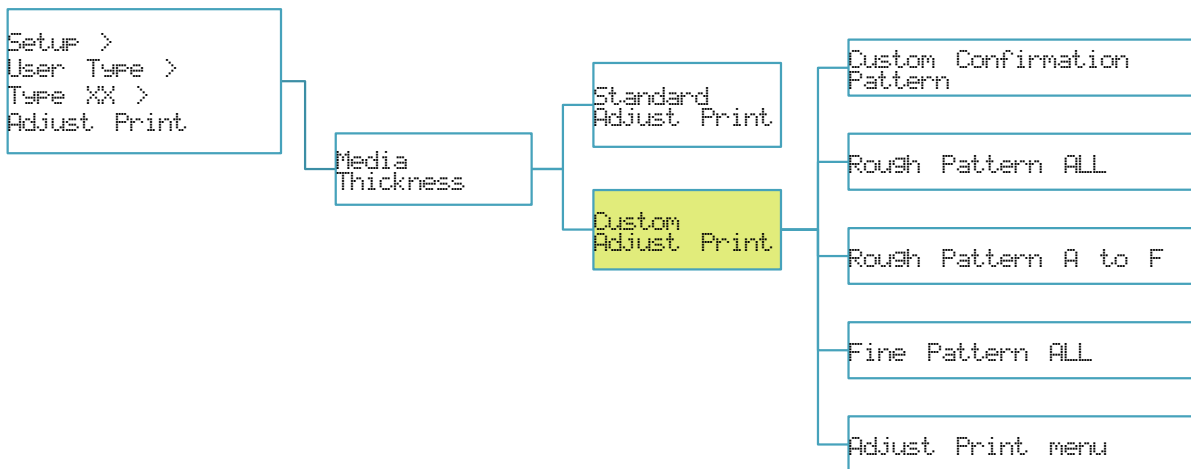
The Standard Print Quality adjustment settings are included here only for completeness



Setup item	Setting	Description
Adjustment	Confirmation pattern	Print the test pattern for the alignment. Check before adjusting.  3.10.2.1 Standard confirmation pattern
	Rough adjustment pattern	Perform this when the degree of misalignment is large. Print Adjust pattern and enter the set value.  3.10.2.2 Standard rough adjustment pattern
	Micro adjustment pattern	Perform this when the degree of misalignment is small. Print Adjust pattern and enter the set value.  3.10.2.3 Standard micro adjustment pattern
	—	[Cancel] key: shifts to the previous menu.  5.1.1.1.2 Adjust Print Menu

Custom Adjust Print menu

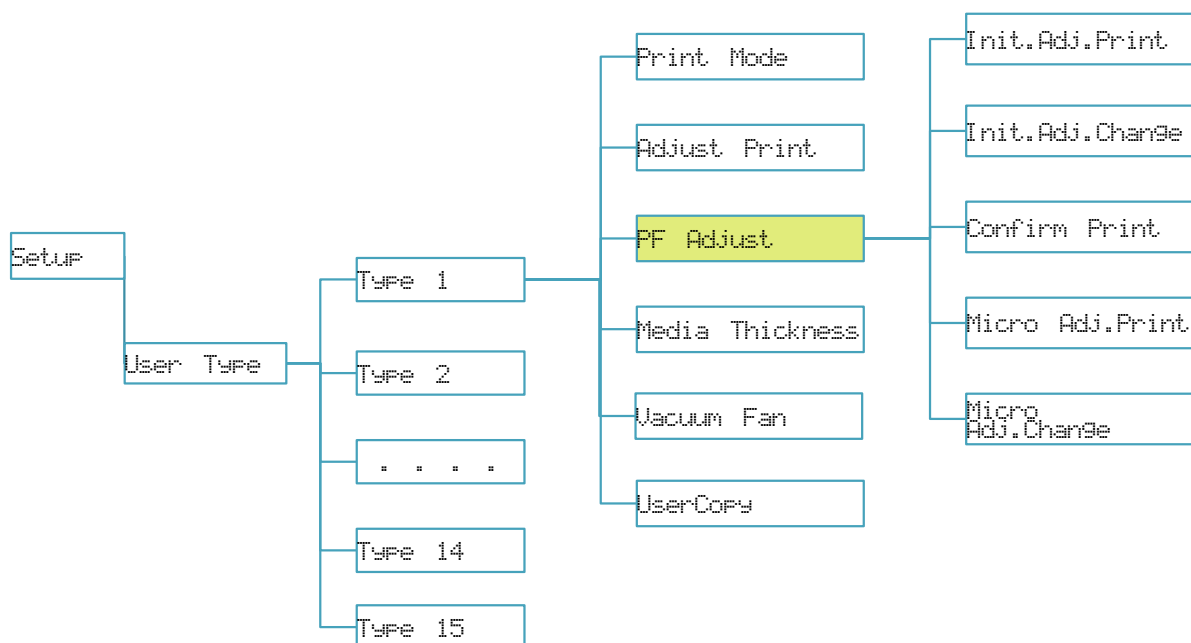
Perform adjustment for all patterns (A to F).



Custom Adjust Print menu		
Setup item	Setting	Description
Adjustment	Confirm ptn	The test patterns of A to F will be printed for Adjust print. Check before adjusting.  93 Custom confirmation pattern
	Rough Ptn. ALL	Perform this when the degree of misalignment is large. Print Adjust patterns A to F and enter the set values.  3.10.1.2.1 Rough Pattern ALL
	Rough Pattern A to F	When the degree of misalign is large, print out an adjust pattern selected from A to F and enter the value.  3.10.1.2.2 Rough Pattern A to F
	Fine Ptn. ALL	Perform this when the degree of misalignment is small. Print Adjust patterns A to F and enter the set values.  3.10.1.3.3 Fine Pattern ALL
	Fine PatternA to F	When the degree of misalign is small, print out one of the Adjust patterns and enter the set value.  3.10.1.3.4 Fine Pattern A to F
	—	[Cancel] key: shifts to the previous menu.  5.1.1.1.2 Adjust Print Menu

5.1.1.1.3 Media feed compensation

Sets up various settings on the media feed compensation.



Media feed compensation		
Setup item	Setting	Description
PF	Init.Adj.Print	Performs Initial Adjust Print. [Enter] key: shifts to the sub menu. 1) Init.Adj.Print menu
	Init.Adj.Change	Sets up Initial Adjust Change. [Enter] key: shifts to the sub menu. 2) Init.Adj.Change menu
	Confirm Print	Performs Confirm Print. [Enter] key: shifts to the sub menu. 3) Confirm Print menu
	Micro Adj. Print	Performs Micro Adjustment Print. [Enter] key: shifts to the sub menu. 4) Micro Adj. Print menu
	Micro Adj.Change	Sets up Micro Adjustment Change. [Enter] key: shifts to the sub menu. 5) Micro Change menu
	—	[Cancel] key: shifts to the previous menu. 5.1.1.1 User Type advanced setup menu

1) Init.Adj.Print menu

Performs the Initial Adjust Print

Initial Adjust Print menu (PF)		
Setup item	Setting	Description
FeedLength	100mm to <250mm> to 500mm	Changes the length (feed length) of the media feed direction for initial adjust print. [Enter] key: Determines the setting. Printing is displayed on Operation panel and initial adjust print starts. After printing, the printer enters Normal.
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1.1.1.3 Media feed compensation

2) Init.Adj.Change menu

Sets up the Initial Adjust Change.

Initial Adjust Change menu (PF)		
Setup item	Setting	Description
Init.	The setting value of "FeedLength" in the initial adjustment printing $\pm 50.0\text{mm}$	Sets up Initial Adjust Change. Example: When the value of "FeedLength" in the initial adjustment printing is set to 250mm, the adjustment range of this menu is 200mm to 300mm. [Enter] key: saves the setting and shifts to the previous menu.
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1.1.1.3 Media feed compensation

3) Confirm Print menu

Performs the Confirmation print.

Confirm Print menu (PF)		
Setup item	Setting	Description
FeedLength.	100mm to <250mm> to 500mm	Changes the length (feed length) of the media feed direction for Confirm Print. • [Enter] key: Determines the setting. Printing is displayed on Operation panel and initial adjust print starts. • After printing, the printer enters Normal.
	—	• [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.1.1.3 Media feed compensation

4) Micro Adj. Print menu

Performs Micro Adjustment Print.

Micro Adj. Print menu (PF)		
Setup item	Setting	Description
Micro Adj. Print	—	Prints the following PF pattern (micro adjustment) with a focus on the micro adjustment value. • 0%、±0.1%、±0.2%、±0.5%、±0.8%、±1.2%
	—	• [Cancel] key: shifts to the previous menu. If during printing, printing will be paused  5.1 Setup Menu

5) Micro Change menu

Sets up Micro Adjustment change.

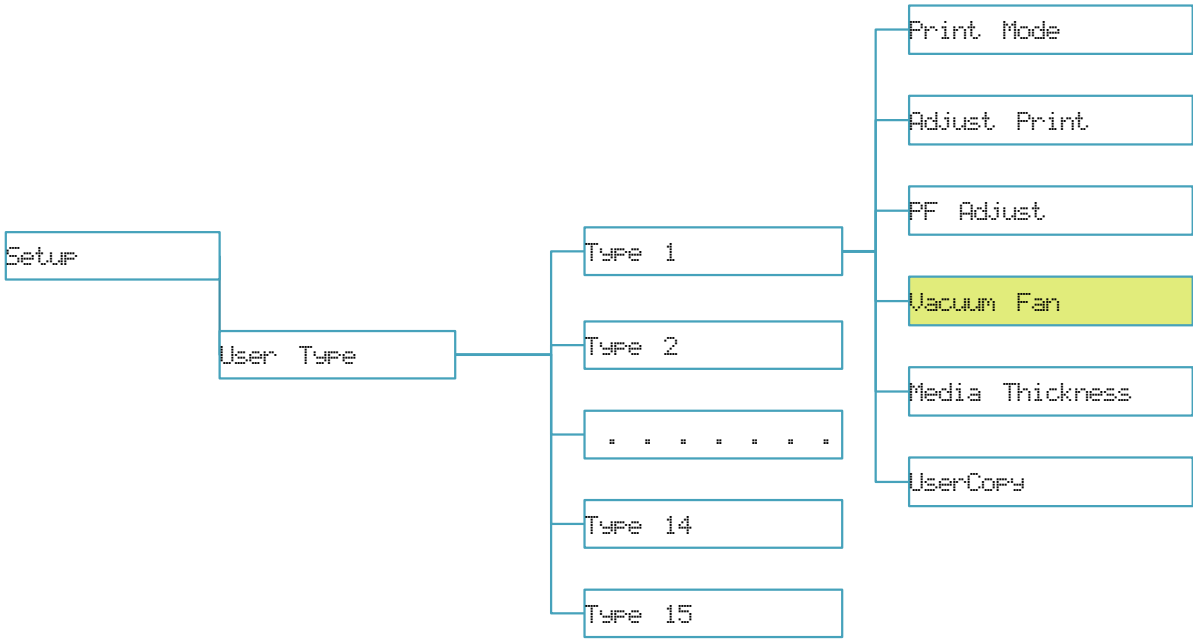
Micro Change menu (PF)		
Setup item	Setting	Description
Micro Adj. Change	-5.00%< 0.00% >5.00%	Sets up Micro Adjustment Change
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: shifts to the previous menu.  5.1 Setup Menu

5.1.1.1.4 Vacuum Fan menu

The Vacuum fan is not operational in the GoTx 2190 / 2260. This menu structure is a legacy menu only and has no effect on the printer operation.

 NOTE

- The Vacuum fan is not operational in the GoTx 2190 / 2260. This menu structure is a legacy menu only and has no effect on the printer operation..



Vacuum Fan menu		
Setup item	Setting	Description
Vacuum Fan	Low Middle <High>	
	—	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: shifts to the previous menu.  5.1.1.1 User Type advanced setup menu

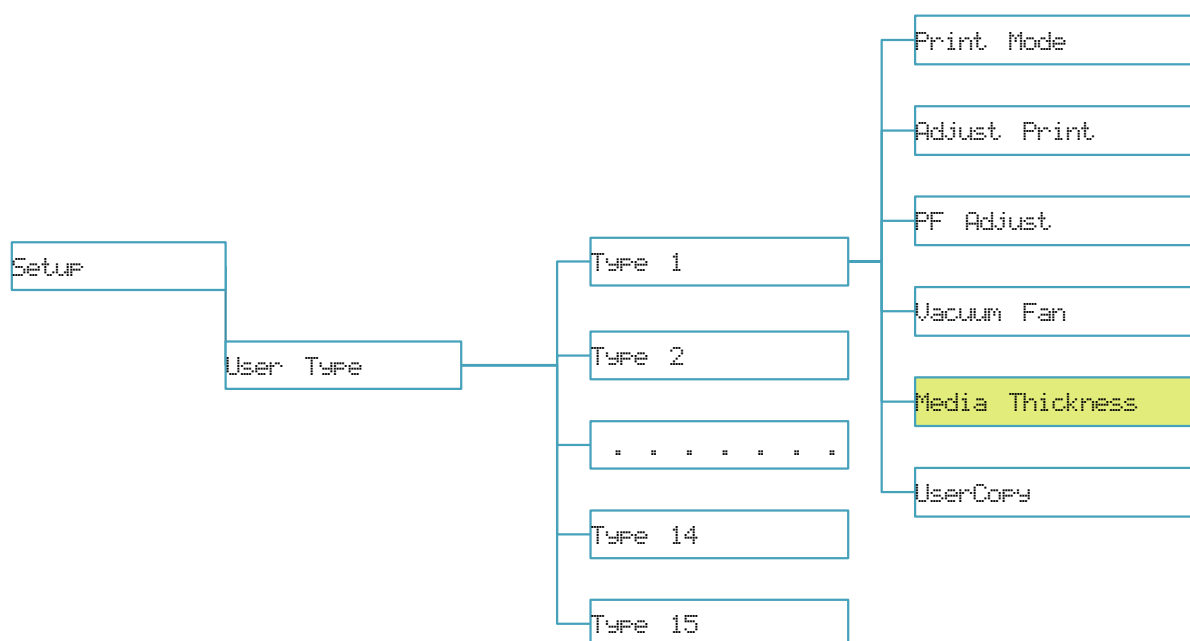
5.1.1.1.5 Media thickness menu

Sets the thickness of the media.

Once the media thickness is entered, print quality is automatically adjusted.

NOTE

- It is recommended to leave the media thickness setting at the default of 170 μ m, regardless of the actual media being used.



Media Thickness menu

Setup item	Setting	Description
Media Thickness	80 μ m<170 μ m>2800 μ m	Enter the thickness of the media you are using in increments of 10 μ m
	—	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: shifts to the previous menu.  5.1.1.1 User Type advanced setup menu

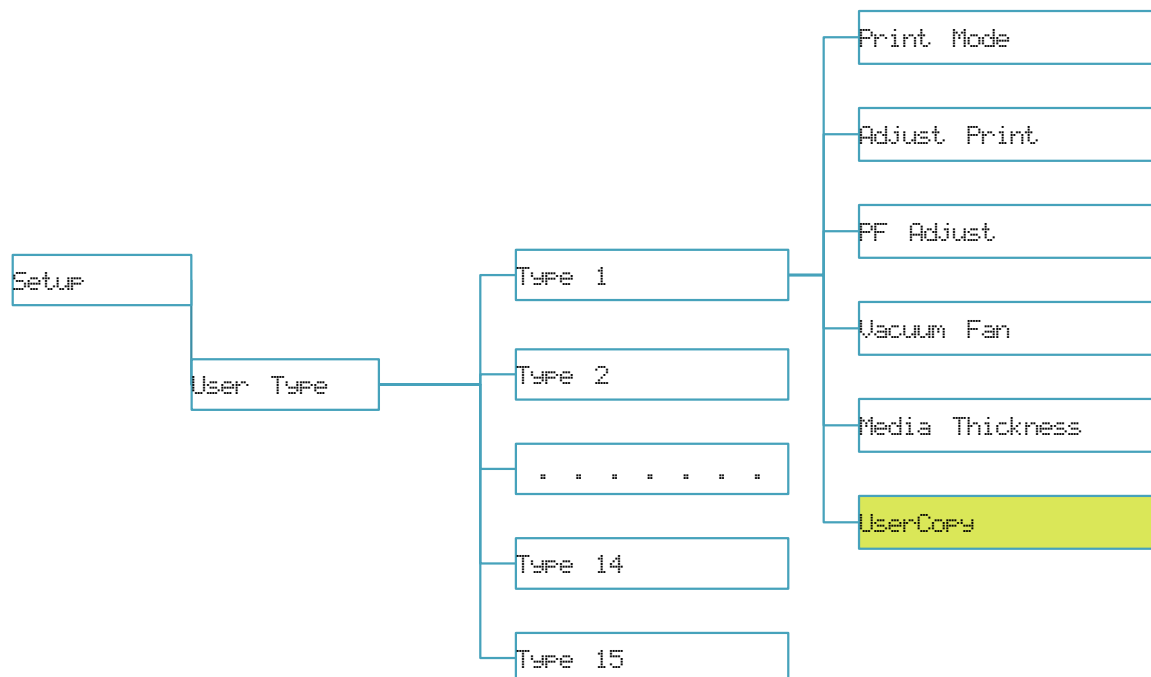
NOTE

- This menu provides the ability to roughly, but automatically adjust the print quality. If you want to improve print quality, manually adjust it.
 3.10 Print Quality Adjustment
- Print quality can be adjusted without setting the media thickness.

5.1.1.1.6 UserCopy menu

Copies the setting values of the user type currently selected to a different user type collectively. The following setting values are copied.

- Print mode
- Effect
- Adjustment value for the adjustment print
- Feed compensation (initial adjustment printing length, initial adjustment value, micro adjustment value)
- Vacuum Fan
- Media Thickness
- User Type

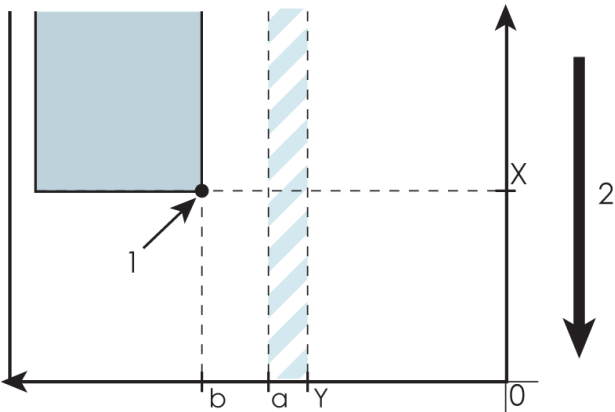


UserCopy menu		
Setup item	Setting	Description
UserCopy	<1> to 15, ALL When user type is set to 1: <2> to 15, ALL	The setting values of the current user type are copied to the selected user type. When you have selected ALL, the setting values of the current user type are copied to the all other user types.
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.1.1 User Type advanced setup menu

5.1.2 Spitting Menu

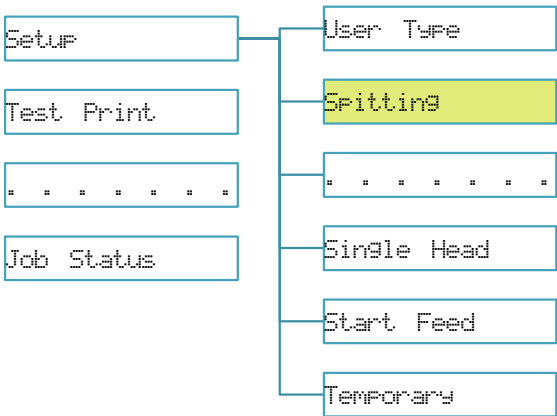
Sets up the spitting operation while printing.

-  NOTE
- When Spitting is set to "Off", Nozzles will become easily clogged because spitting is not performed. In such a case, print quality cannot be guaranteed.
 - When the spitting setting is "On Media", the maximum printable media width becomes 16mm shorter.
Therefore, the side margins become the value that you have set in Side Margin menu +8mm.
 - The right side margin will be the following sum depending on the setting.
Y of Origin menu + 8mm (when the spitting is set to On Media) + Value set in Side Margin menu.



1	Print starting position
2	Media feed direction
X	(media feeding distance)
Y	(print head movement distance)
a	(0mm/8mm: Spitting setting is ON, Off/On Media)
b	(5mm to 25mm: Side margin setting)

 5.1.3 Side Margin menu



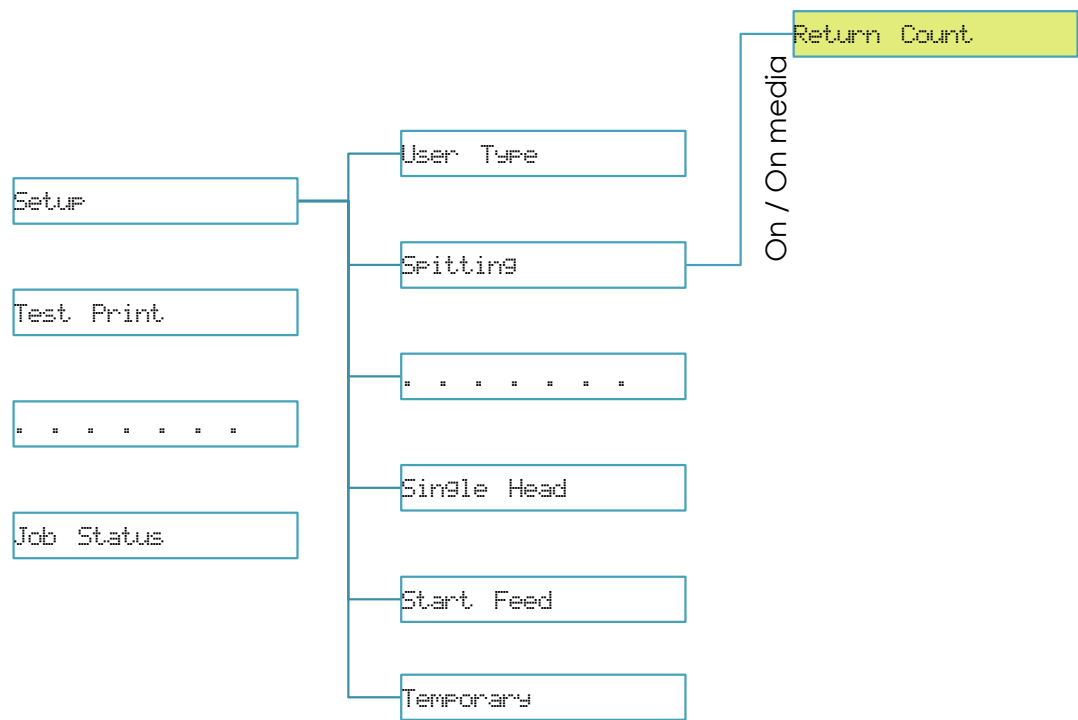
Spitting menu		
Setup item	Setting	Description
Spitting	<On>	Perform the spitting operation on Spitting box located on the origin side for every shuttle. [Enter] key: saves the setting and shifts to the sub menu.  5.1.2.1 Spitting Pass Count menu
	On Media	Perform the spitting operation on the page margins. The printing speed will be improved since the number of time to return to Spitting box is reduced. [Enter] key: saves the setting and shifts to the sub menu.  5.1.2.1 Spitting Pass Count menu
	Off	Spitting operation is not performed. [Enter] key: saves the setting and shifts to the previous menu.  5.1 Setup Menu
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.2.1 Spitting Pass Count menu

Set the intervals that the Print returns to the Spitting boxes when On or On Media is set in the spitting menu. The Print heads will return to the spitting boxes every shuttle per the set number.

NOTE

- If the interval value is set high, the spitting operation is done less frequently. Therefore there is a higher chance of nozzle clogging when printing for a long time. In such as case, print quality cannot be guaranteed.*



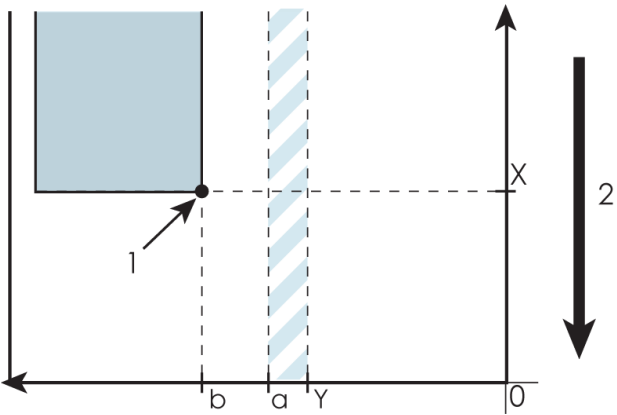
Spitting Pass Count menu		
Setup item	Setting	Description
ReturnCount	<1 time> to 999 times	Set the spitting return count.
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.2 Spitting Menu

Example of spitting operation		
<i>Spitting setting</i>	<i>Return Count setting</i>	<i>Operation</i>
On	1 time	Perform the spitting operation on Spitting box every time Print head returns to the origin position. Spitting operation is not performed over the media.
On	5 times	Performs the spitting operation on Spitting box on the origin side every five times Print head returns to the origin position. Spitting operation is not performed over the media.
On Media	1 time	Performs the spitting operation on Spitting box on the origin side every time Print head returns to the origin position. Spitting is performed over the media margins each time the print head shuttles back and forth.
On Media	5 times	Performs the spitting operation on Spitting box on the origin side every five times Print head returns to the origin position. Spitting is performed over the media margins every time the print head shuttles back and forth.
Off	—	Spitting is not performed on Spitting box or the media.

5.1.3 Side Margin menu

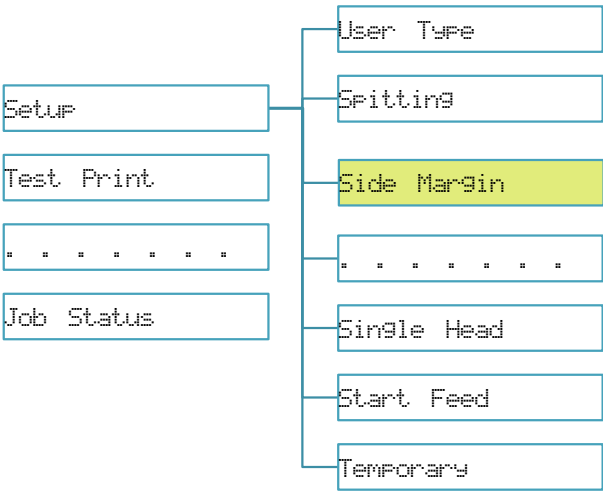
Set up the right and left margins (side margins) for printing.

-  NOTE
- When the spitting setting is "On Media", the maximum printable media width becomes 16mm shorter.
Therefore, the side margins become the value that you have set in Side Margin menu +8mm.
-  5.1.2 Spitting Menu
- The right side margin will be the following sum depending on the setting.
 $Y \text{ of Origin menu} + 8\text{mm (when the spitting is set to On Media)} + \text{Value set in Side Margin menu}.$



1	Print starting position
2	Media feed direction
X	(media feeding distance)
Y	(print head movement distance)
a	(0mm/8mm: Spitting setting is ON, Off/On Media)
b	(5mm to 25mm: Side margin setting)

 5.1.2 Spitting Menu



Side Margin menu		
<i>Setup item</i>	<i>Setting</i>	<i>Description</i>
Side Margin	<5mm> to 25mm	Set the side margins.
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

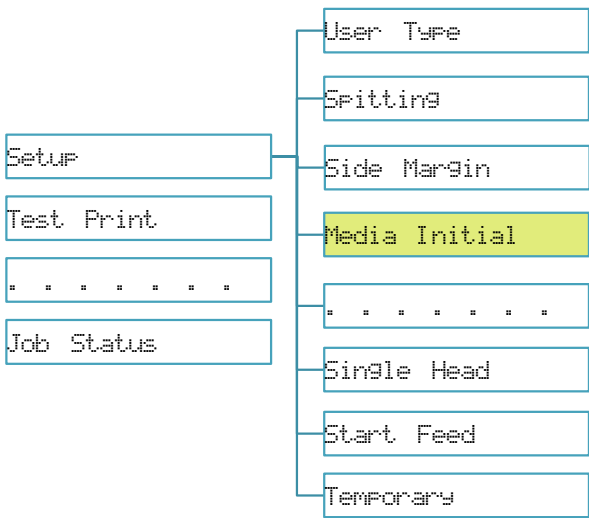
5.1.4 Media Initial menu

Sets whether to detect the media width and edge while initialising the media.



NOTE

- When Media Detection menu is set to Off, set the media width of the current media in Media Width menu.
This will be necessary to ensure any test prints are printed in the correct position on the media.
- Additionally, ensure that media position & width are accounted for correctly in the Computer RIP settings for correct positioning of the print on the media.

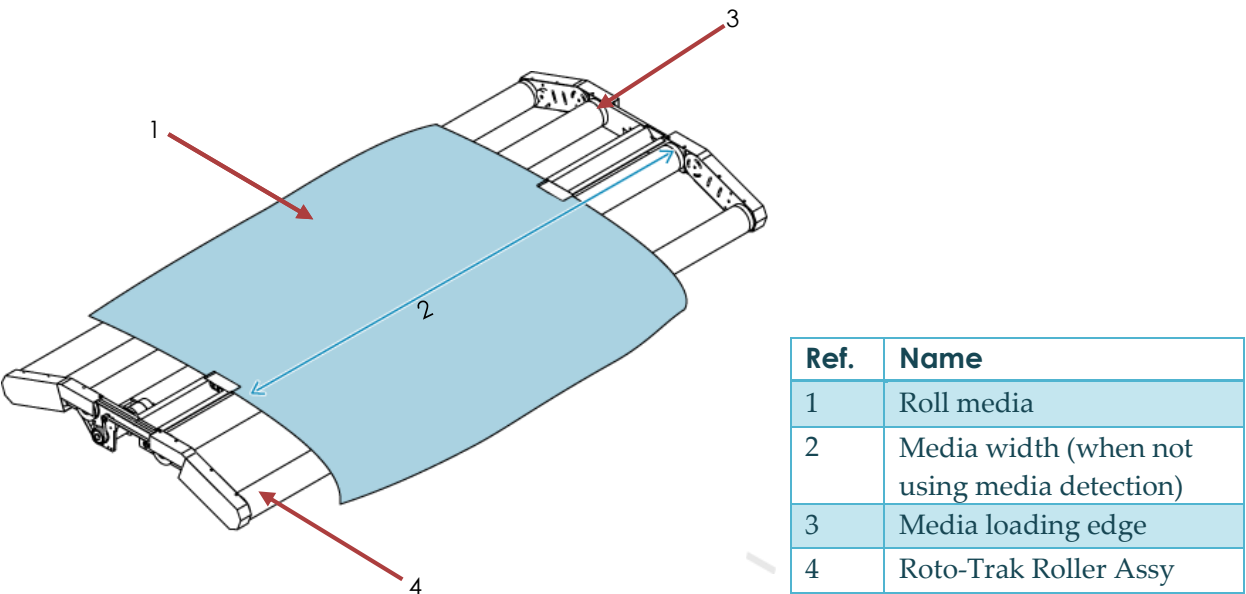


5.1.5 Media Width menu

Media Initial menu		
Setup item	Setting	Description
Init.	Off	The media will not be detected
	Top&Witdth	Detect the media width and edge while initializing the media.
	<Width>	Detect the media width while initializing the media.
	—	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.5 Media Width menu

Specifies the media width between the loading mark and the left end of the media if media detection is not performed during media initialisation.



 NOTE

- When the media is loaded as shown in the illustration and not using media detection, the printer may print between the right edge of the Roto-Trak Roller assembly and the centre of the media. If this happens, adjust the print starting position in Origin menu.

1) Media Width menu



NOTE

- Setting a value larger than the media width set in the Media Width menu may cause ink to leak on the media or printer.

Media Width menu		
Setup item	Setting	Description
MediaWidth	GoTx 2190: 210mm to <1000mm> to 1910mm GoTx 2260: 210mm to <1000mm> to 2642mm	Set the media width
	—	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.1.1 User Type advanced setup menu

2) Media Width display menu

Media Width menu		
Setup item	Setting	Description
MediaWidth	****mm	Display the media width that is detected during initialisation.
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

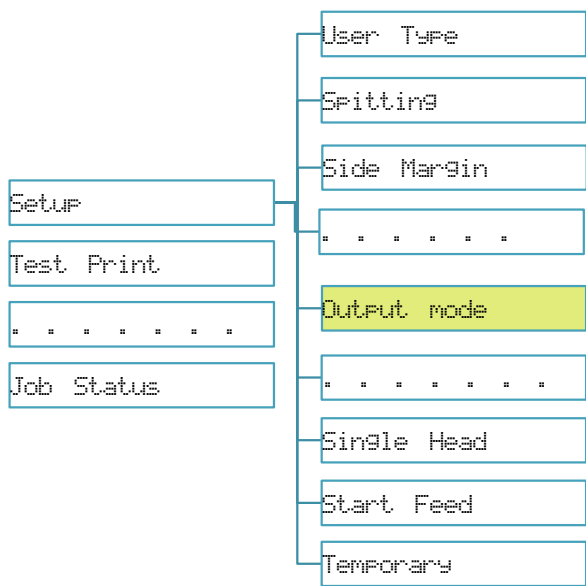
5.1.6 Output Mode menu

Sets the media ejection method after printing.



NOTE

- The GoTx 2190 / 2260 MUST be set to Take-up. DO NOT set to Auto cut.



Output Mode menu		
Setup item	Setting	Description
Output Mode	Off	DO NOT USE this setting
	Take-up	This is the correct setting for the GoTx 2190/2260
	Auto cut	DO NOT USE this setting
	—	• [Enter] key: saves the setting and shifts to the sub menu.  5.1.6.1 Ink Dry Time menu • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.6.1 Ink Dry Time menu

Set the ink drying time.

Ink Dry Time menu		
Setup item	Setting	Description
Ink dry time	<0 sec> to 60min	Set the ink drying time (between print head scans)
	—	[Enter] key: saves the setting and shifts to the previous menu [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.6 Output Mode menu

5.1.6.2 Page Gap menu

When “Output Mode” is set to “Take up” the menu is shifted to “Page Gap”.

In the Page Gap menu, you can change the margin setting between images.



NOTE

- This setting may be overridden by settings in your Computer RIP. If you are experiencing unexpected print results (in terms of gaps between images), check this Page Gap setting and the settings in your Computer RIP.*

Page Gap menu		
Setup item	Setting	Description
Page Gap	<Normal>	The default margin setting between images will be applied
	Narrow	The margin setting between images is smaller than Normal
	—	[Enter] key: saves the setting and shifts to the next menu.  5.1.6.1 Ink Dry Time menu [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.6 Output Mode menu

5.1.7 Method of Cut menu

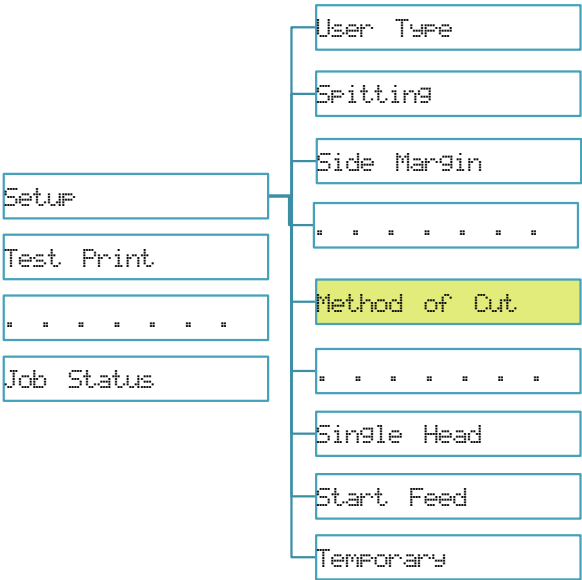
 NOTE

- The GoTx 2190/2260 does not have a cutting blade and so the Method of Cut menu and it's sub-menu Cut Pressure menu are obsolete.

 NOTE

- The GoTx 2190/2260 should always be set with a media output mode of "Take up". When the printer is set to media output mode "Take up" the settings in Method of Cut menu are not used.

 5.1.6 Output Mode menu



5.1.8 Origin menu

Sets the beginning of printing (origin) of the print data.

Set the menu when reprinting on the margin with changing the printing data position to the printed media.



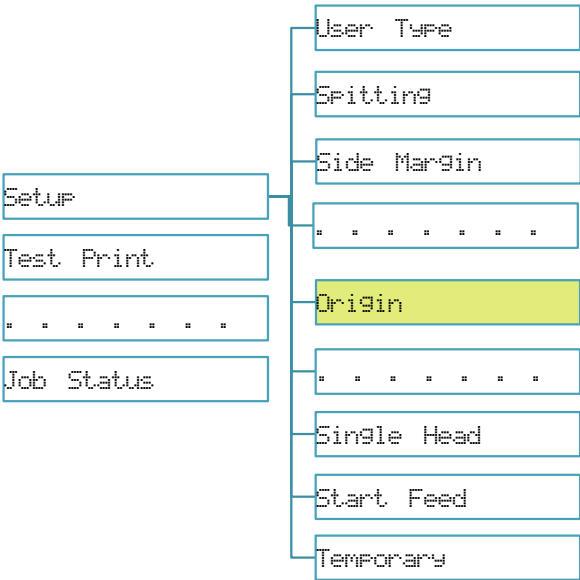
NOTE

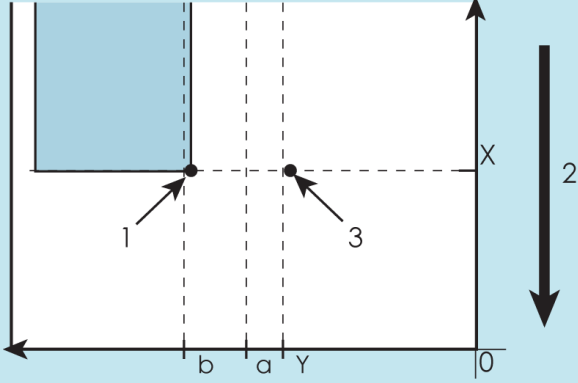
- *The GoTx 2190/2260 should always be set with a media output mode of “Take up”. When the printer is set to media output mode “Take up” the set value X (Media feeding distance) becomes 0mm to 15000mm.*
 👉 5.1.6 Output Mode menu
- *Depending on the set value of the side margin, the maximum set value of Y (print head transferring distance) decreases.*



NOTE

- *This setting may be overridden by settings in your Computer RIP. If you are experiencing unexpected print, check this Origin setting and the settings in your Computer RIP.*



Origin menu																
Setup item	Setting	Description														
Origin	- X (media feeding distance): 0mm to 15000mm - Y (print head transferring distance): For GoTx 2190: 0 to 1690mm For GoTx 2260: 0 to 2422mm	Change Print head position and media feeding distance with the following keys: [Up/Back] key: increases the setting value. [Down/Forward] key: decreases the setting value <table><tr><td>1</td><td>Print starting position</td></tr><tr><td>2</td><td>Media feed direction</td></tr><tr><td>3</td><td>Setting position of "Origin"</td></tr><tr><td>X</td><td>(media feeding distance)</td></tr><tr><td>Y</td><td>(print head movement distance)</td></tr><tr><td>a</td><td>(0mm/8mm: Spitting setting is ON, Off/On Media)</td></tr><tr><td>b</td><td>(5mm to 25mm: Side margin setting)</td></tr></table>	1	Print starting position	2	Media feed direction	3	Setting position of "Origin"	X	(media feeding distance)	Y	(print head movement distance)	a	(0mm/8mm: Spitting setting is ON, Off/On Media)	b	(5mm to 25mm: Side margin setting)
1	Print starting position															
2	Media feed direction															
3	Setting position of "Origin"															
X	(media feeding distance)															
Y	(print head movement distance)															
a	(0mm/8mm: Spitting setting is ON, Off/On Media)															
b	(5mm to 25mm: Side margin setting)															



NOTE

- When the spitting setting is "On Media", the maximum printable media width becomes 16mm shorter.
Therefore, the side margins become the value that you have set in Side Margin menu +8mm.



5.1.2 Spitting Menu

- The right side margin will be the following sum depending on the setting.
Y of Origin menu + 8mm (when the spitting is set to On Media) + Value set in Side Margin menu.



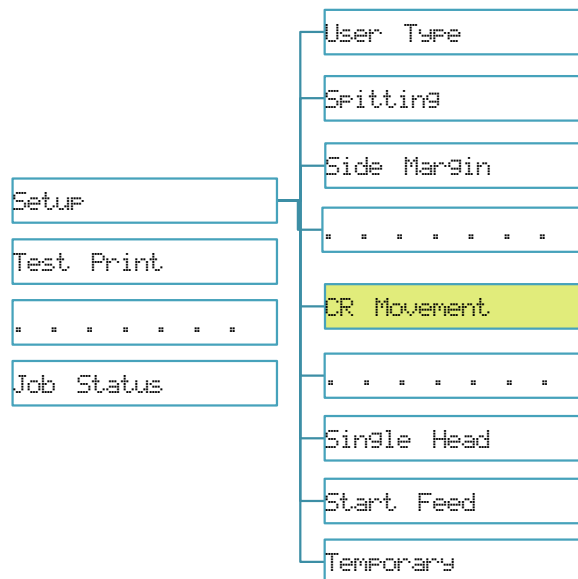
5.1.3 Side Margin menu.

- [Enter] key: "Moving Origin Pos." is displayed on the Operation panel and Print head moves to the starting position.
The following content is displayed on the Operation panel.

Origin menu		
<i>Setup item</i>	<i>Setting</i>	<i>Description</i>
	Confirm Position-> Enter	[Enter] key or after a certain period of time: Determines the setting. Print head returns to the original position. Save the setting and shift to the previous menu.  5.1 Setup Menu
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.9 Head Travel menu

Sets up the range that the Print head moves while printing.



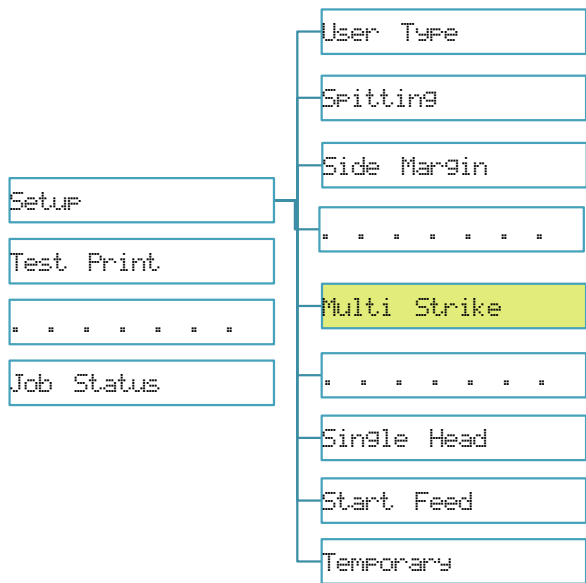
Head Travel (CR Movement) menu		
Setup item	Setting	Description
CR Movement	Data	Print head moves the range of the print data width. The printing speed will be improved since the range of movement of the Print head is optimized.
	Machine	Print head moves from origin to the maximum printable media width.
	<MediaWidth>	Print head shifts within the media width.
	—	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

NOTE

- This setting may be overridden by settings in your Computer RIP. If you are experiencing unexpected print results, check this CR Movement setting and the settings in your Computer RIP.

5.1.10 Multi Strike menu

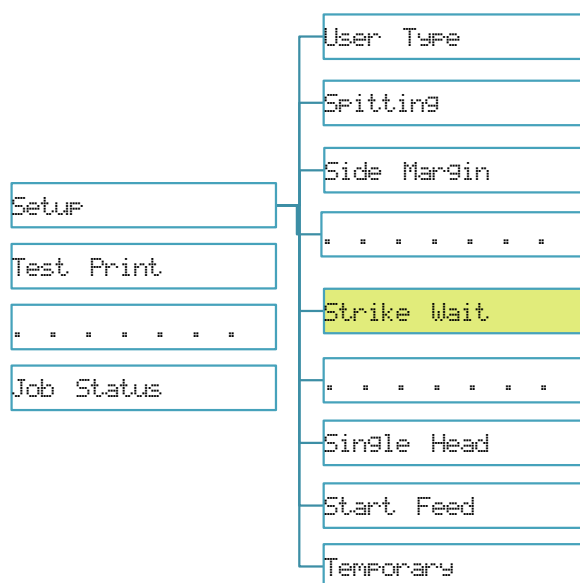
Sets up the overwrite count per line.



Multi Strike menu		
Setup item	Setting	Description
Multi Strike	<1 time> to 9 times	Set the overwrite count.
	—	• [Enter] key: saves the setting and shifts to the previous menu • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.6 Output Mode menu

5.1.11 Strike Wait menu

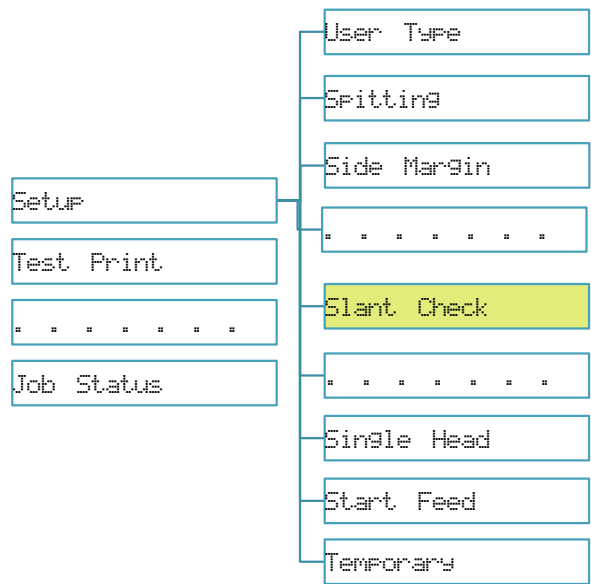
Sets up the waiting time (between strikes) if Multi Strike is being used.



Strike Wait menu		
<i>Setup item</i>	<i>Setting</i>	<i>Description</i>
Strike Wait	<0.0 sec> to 0.1 sec. to 5.0 sec.	Set the overwrite wait time
	—	• [Enter] key: saves the setting and shifts to the previous menu • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.6 Output Mode menu

5.1.12 Slant Check menu

Sets up slanting detection during media loading.



Slant Check menu		
Setup item	Setting	Description
Slant Check	Off	Slant Check is not performed.
	<On>	Slant Check is performed.
	—	• [Enter] key: saves the setting and shifts to the previous menu • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.13 Auto Cleaning menu

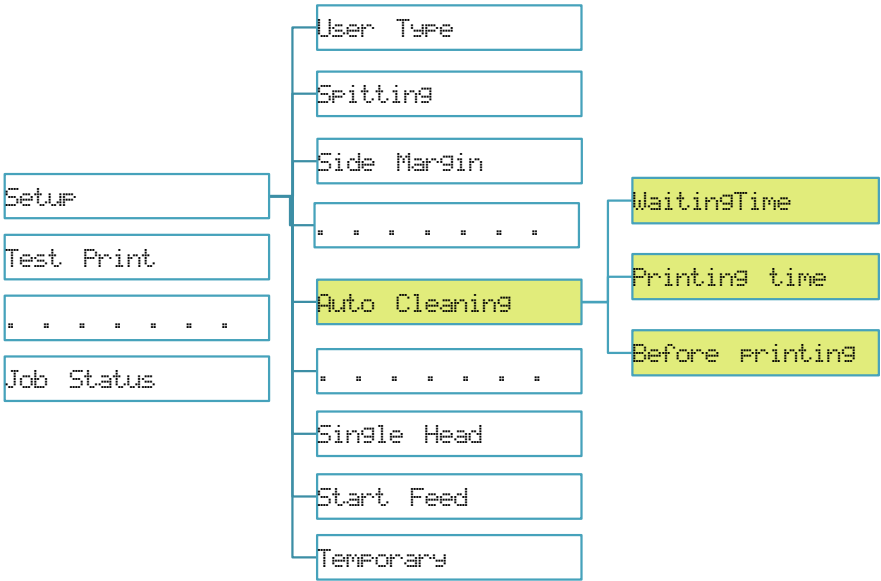
Configure the settings for the auto cleaning operation.



TIP

The cleaning mode reflects the settings in the Operation panel.

6.2.3 Head cleaning



Auto Cleaning menu		
Setup item	Setting	Description
Auto Cleaning	WaitingTime	Set the value for auto-cleaning in standby mode. 5.1.13.1 Idle Auto Cleaning
	Printing time	Set the value for auto cleaning during printing. 5.1.13.2 Printing Mode Auto Cleaning
	Before Printing	Set the value for auto cleaning before printing. 5.1.13.3 Pre-Printing Mode Auto Cleaning
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu. 5.1 Setup Menu

5.1.13.1 Idle Auto Cleaning

Sets the interval for auto cleaning when in standby mode.

WaitingTime (Idle Auto Cleaning) menu		
Setup item	Setting	Description
WaitingTime	Off to 10mins to <360mins> to 1440 mins	Set the value for auto-cleaning in standby / WaitingTime mode. • Off: Auto cleaning is not performed. • Others: Perform the head cleaning selected in the Cleaning menu after the setting time has elapsed.  6.2.3 Head cleaning
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.13 Auto Cleaning menu

5.1.13.2 Printing Mode Auto Cleaning

Sets the interval for auto cleaning during printing.

Printing time (Printing Mode Auto Cleaning) menu		
Setup item	Setting	Description
Printing time	<Off> to 5mins to 180mins	Set the interval time for auto-cleaning while printing. • Off: Auto cleaning is not performed. • Others: Perform the head cleaning selected in the Cleaning menu after the setting time has elapsed.  6.2.3 Head cleaning
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.13 Auto Cleaning menu

5.1.13.3 Pre-Printing Mode Auto Cleaning

Sets the interval for auto cleaning before printing.

Before Print (Pre-Printing Mode Auto Cleaning) menu		
Setup item	Setting	Description
Before Print	<Off>	• The auto cleaning is not performed.
	On	• Perform the head cleaning selected in the Cleaning menu before printing.  6.2.3 Head cleaning
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.13 Auto Cleaning menu

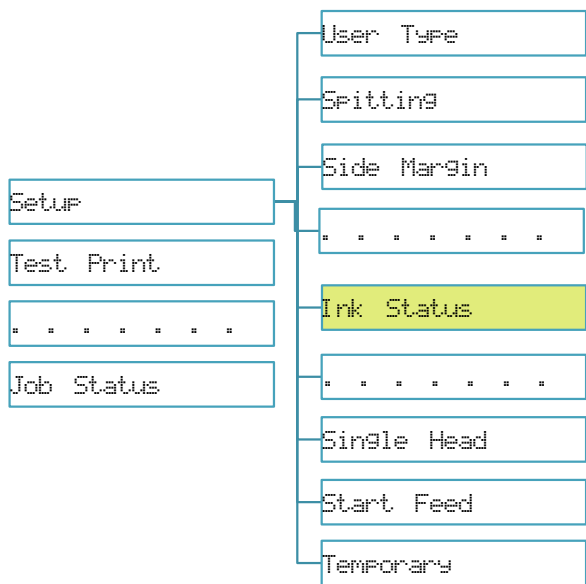
5.1.14 Ink Status menu

Displays various information of ink cartridges.



NOTE

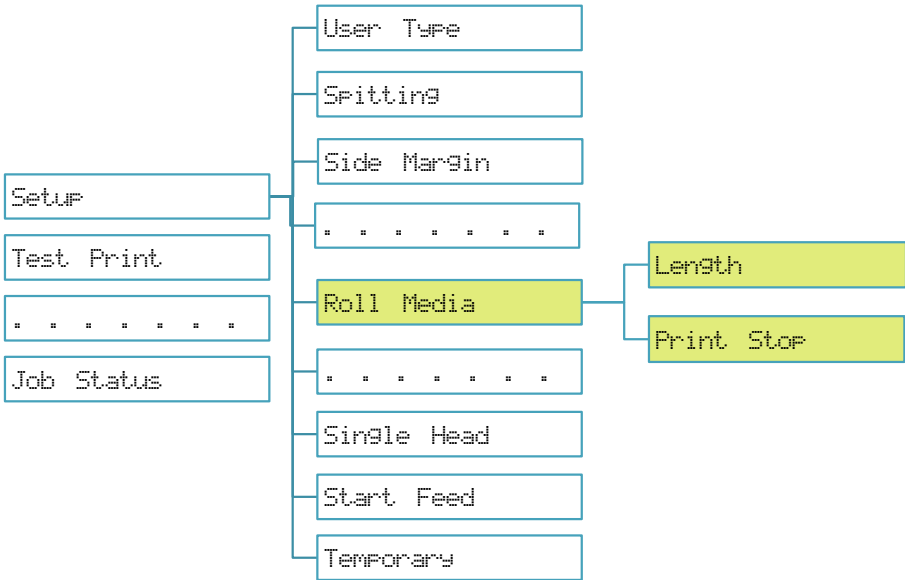
- This setting will not display accurate ink status for the GoTx 2190 / 2260.



Ink Status menu		
Setup item	Setting	Description
12345678	0 to 100 (unit: %)	This display is irrelevant for GoTx 2190 /2260
	—	• [Cancel] key: shifts to the previous menu.  5.1 Setup Menu

5.1.15 Roll Length (Roll media) menu

This menu item sets up the roll media length.



Setup item	Setting	Description
Roll media	<Off>	Roll Length is not used. [Enter] key: saves the setting and shifts to the previous menu.  5.1 Setup Menu
	Roll1	Sets up the roll media length.
	Roll2	The set values of the roll media length can be set as "Roll1" to "Roll3". [Enter] key: saves the setting and shifts to the sub menu.  5.1.15.1 Roll Length menu
	Roll3	
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.15.1 Roll Length menu

Sets up the roll media length.

NOTE

- *After replacing the roll media, set the roll media length again.
If the roll media length is not set, the remaining length of roll media may not be displayed correctly.*

Roll Length menu		
Setup item	Setting	Description
Length	1m to <30m> to 200m	Sets the roll media length.
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.15 Roll Length (Roll media) menu

5.1.15.2 Print Stop menu

You can set whether or not to display **Roll Remain Error** and pause printing when the length of roll media that is calculated inside the printer becomes 0.

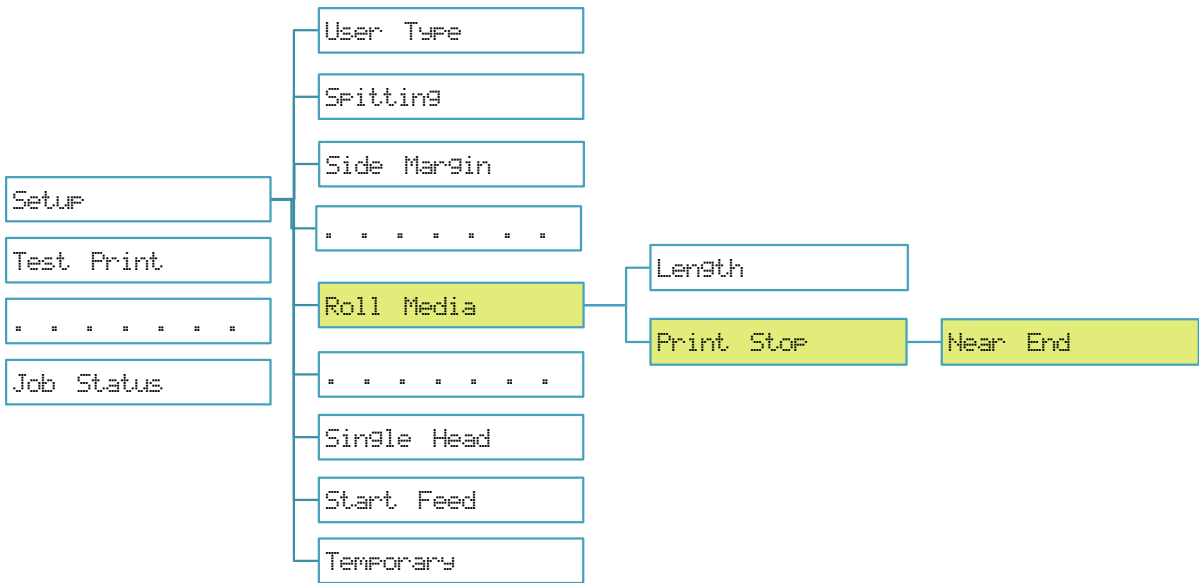
NOTE

- *When **Roll Remain Error** or **Roll Near End** has occurred while the **Print Stop** menu is set to **On**, if you press the **Media Load** button after replacing the new roll media, the **Roll Media Length Setting** menu is displayed. Enter the length of the roll media you have set.*

Print Stop menu		
Setup item	Setting	Description
Print Stop	<Off>	The roll media remaining count is not used to judge for pausing printing. • [Enter] key: saves the setting and shifts to the sub menu.  5.1.15 Roll Length (Roll media) menu
	On	Printing pauses when the roll media remaining count becomes 0. • [Enter] key: saves the setting and shifts to the sub menu.  5.1.15.3 Near End menu
	—	• [Cancel] key: cancels the setting and shifts to the previous menu.  5.1.15 Roll Length (Roll media) menu

5.1.15.3 Near End menu

You can display Roll Near End: *m (* is replaced with a number between 1 and 10) before the length of the roll media that is calculated inside the printer becomes 0.



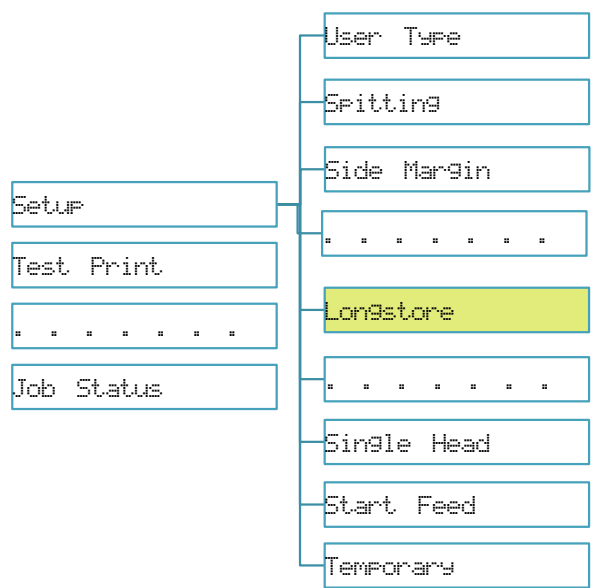
Near End menu		
Setup item	Setting	Description
Near end	<Off>	Near end is not displayed.
	Remain: 10m to 1m	Near end is displayed when the remaining count for the roll media becomes the length you selected.
	—	[Enter] key: saves the setting and shifts to the previous menu. ☞ 5.1.15 Roll Length (Roll media) menu [Cancel] key: cancels the setting and shifts to the previous menu. ☞ 5.1.15.2 Print Stop menu

5.1.16 Longstore menu

This menu function facilitates the washing of the Print head with cleaning fluid. Necessary for the long term storage or in-operation of the GoTx 2190/2260.

 NOTE

- Be sure to use only the correct Cleaning Fluid as available from your GoTx dealer.



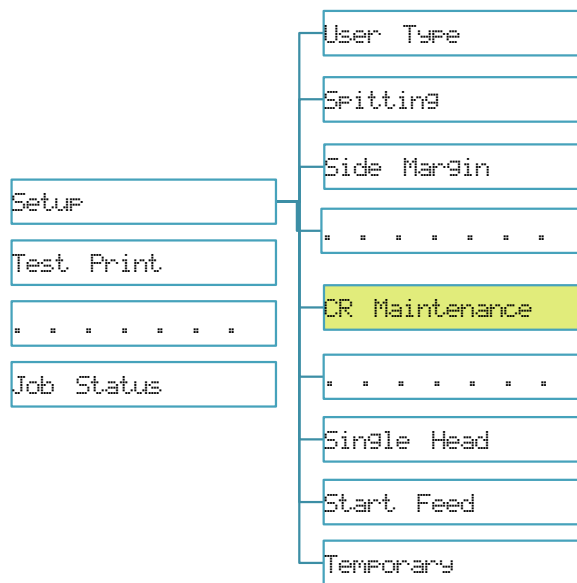
Longstore menu		
Setup item	Setting	Description
Longstore	Start	Wash Print head with the cleaning fluid. [Enter] key: Performs head cleaning. The following content is displayed on Operation panel. Remove Cartridges Remove Ink cartridge, and install Cleaning cartridge.  6.1.1 Replacing Ink cartridges (or Ink packs)
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.17 CR Maintenance menu

The CR Maintenance menu allows the user to perform maintenance on the ink delivery / ink maintenance components of the printer.

It is used to allow the following:

- Cleaning of the Cleaning wiper (Wiper Blade)
 6.2.4 Cleaning the Cleaning Wiper (Wiper Blade)
- Cleaning of the circumference of the Print head
 6.2.5 Cleaning the circumference of the Print heads



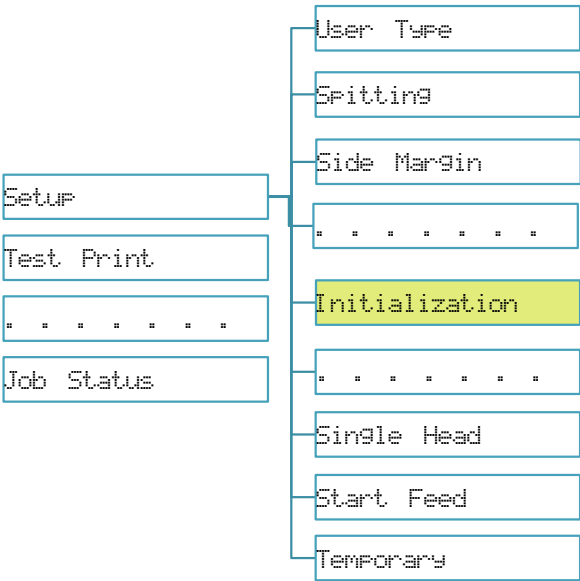
CR Maintenance menu		
Setup item	Setting	Description
CR Maintenance	Start	Performs maintenance. • [Enter] key: Print head moves to the left. Cleaning wiper rises. The following content is displayed on the Operation panel: End • [Enter] key: Cleaning wiper returns to the original position. Print head returns to the original position.
	—	• [Cancel] key: shifts to the previous menu without maintenance  5.1 Setup Menu
	—	Perform the pumping operation (start/stop) by pressing the [Down/Forward] key while CR Mainte.: End is displayed on the Operation panel.

5.1.18 Initialization menu

Returns the settings of the printer to default.

 NOTE

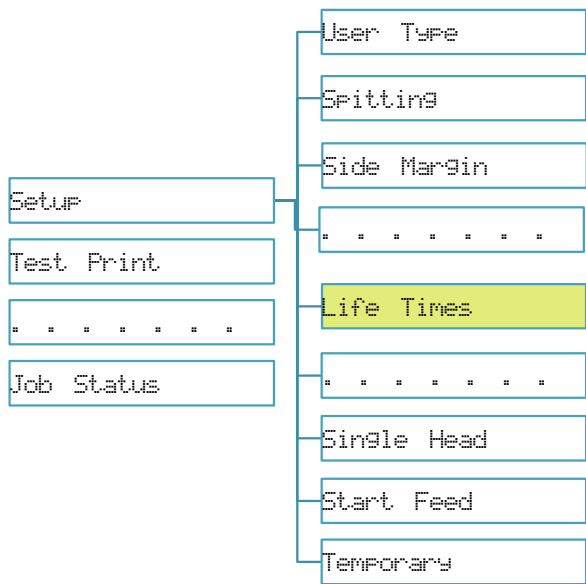
- Be sure to check with your authorised GoTx dealer / technician before attempting to change any settings in this menu.



Initialization menu		
Setup item	Setting	Description
Initialization	ALL	All settings can be returned to factory default.
	User Type	User Type settings are returned to factory default.
	Settings other than User Type	All settings other than User Type are return to factory default.
	—	[Enter] key: **Initializing** is displayed on the Operation panel and the printer initializes the settings. [Cancel] key: shifts to the previous menu without initialization.  5.1 Setup Menu

5.1.19 Life Times menu

Displays the operational life time of each part.



Life Times menu		
Setup item	Setting	Description
Life Times	Head 1	Display the operational life of each part. - The lifetime of each part is indicated by the asterisks (Maximum 5 asterisks: 100% left). - As the part deteriorates, the number of asterisks decrease one by one (20%). - The part should be changed when all of the asterisks have disappeared and Change is displayed. Contact your local GoTx dealer to arrange for replacement parts.
	Head 2	
	Pump	
	CR Motor	
	PF Motor	
	—	[Cancel] key: shifts to the previous menu.  5.1 Setup Menu



NOTE

- Do not keep using any part which has reached it’s end of life. Problems caused by doing so will not be covered by warranty.

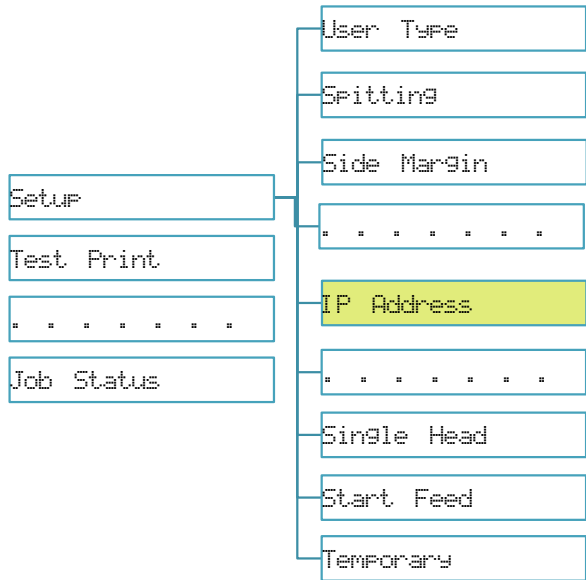
5.1.20 IP Address menu

Sets the IP address of the printer.



NOTE

- Be sure to consult with your network administrator before setting the IP address.



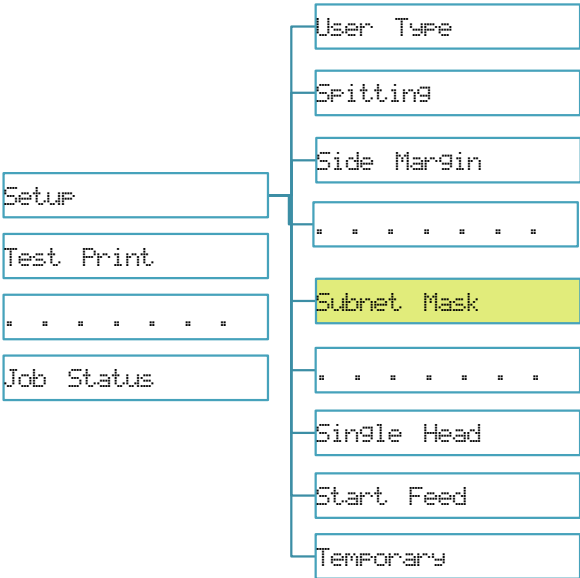
IP Address menu		
Setup item	Setting	Description
IP Address	0.0.0.0 to <192.168.1.253> to 255.255.255.255	Change the IP address by operating the following keys: • [Up/Back] key: increases the setting value. • [Down/Forward] key: decreases the setting value. • [Enter] key: changes the setting for the next segment. Save the set values in the 4th segment and returns to the previous menu.
	—	• [Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.21 Subnet Mask menu

Sets the Subnet Mask of the printer.

 NOTE

- Be sure to consult with your network administrator before setting the subnet mask.



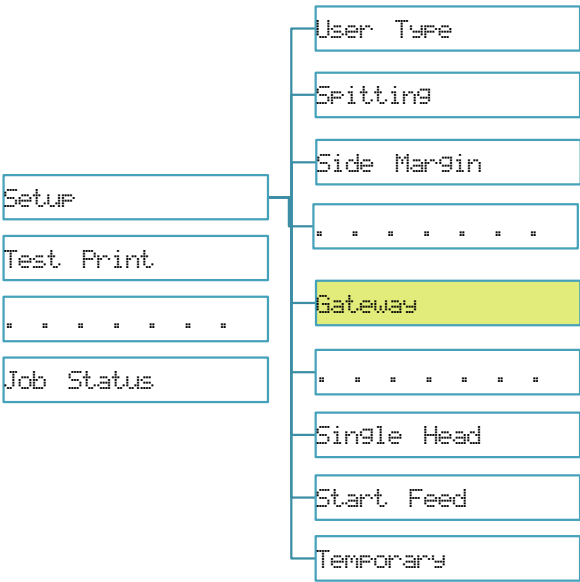
Subnet Mask menu		
Setup item	Setting	Description
Subnet Mask	0.0.0.0 to <255.255.255.0> to 255.255.255.255	Change the subnet mask by operating the following keys: [Up/Back] key: increases the setting value. [Down/Forward] key: decreases the setting value. [Enter] key: changes the setting for the next segment. Save the set values in the 4th segment and returns to the previous menu.
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.22 Gateway menu

Sets the gateway.

 NOTE

- Be sure to consult with your network administrator before setting the IP address.



Gateway menu		
Setup item	Setting	Description
Gateway	0.0.0.0 to <192.168.1.254> to 255.255.255.255	Change the IP address by operating the following keys: [Up/Back] key: increases the setting value. [Down/Forward] key: decreases the setting value. [Enter] key: changes the setting for the next segment. Save the set values in the 4 th segment and returns to the previous menu.
	—	[Cancel] key: cancels the setting and shifts to the previous menu.  5.1 Setup Menu

5.1.23 Header Dump menu

This function is to specify whether to print the following information (dump data) relating to the print data:

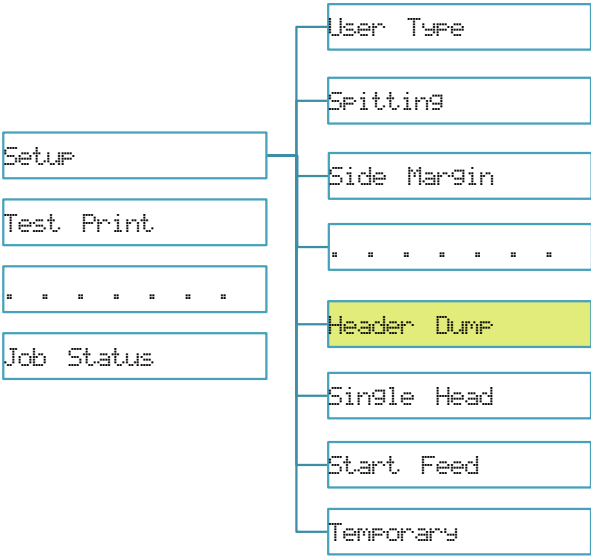
- Data Header
- Number of Dots in (Print) Data (Printed only when the header dump setting is On)
- Printer Serial Number
- Firmware Version

 NOTE

- *The dump data will be used as reference material for technical support.*

 TIP

When a print is executed from a computer, the software RIP settings will be printed in the “Data Header”



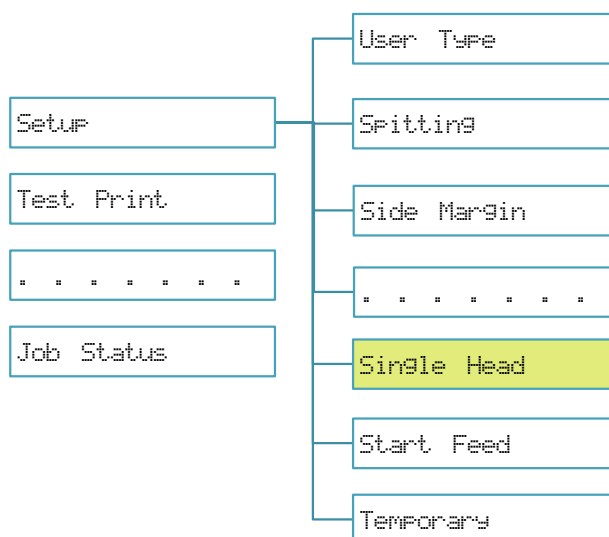
Header Dump menu		
Setup item	Setting	Description
Header Dump	<Off>	• Only print data will be printed. • Dump data will not be printed.
	On	• After printing of print data, the dump data will be printed.
	Dump	• Only the dump data will be printed, but the “Number of Dots in Data” will not be printed. • Print data will not be printed.
	—	• [Cancel] key: Save the set value, and return to the previous menu.  5.1 Setup Menu

5.1.24 Single Head menu

You can set whether to print using only one Print Head.

NOTE

- This printer has 2 Print heads inside the Print head unit.
- For colour accuracy, both heads are required to be used for GoTx 2190 / 2260 printing, therefore the recommended setting is Off.
- This section of information is provided here only for completeness.
- Even if Head 1 or Head 2 is set, when performing functions from the Test print menu, both Print heads are used for printing.
- When Head 1 or Head 2 is set, if A-S. Fine & Wave or B-S.Fine&Wave is selected (print mode Effects), the selected Print head is further divided for printing .



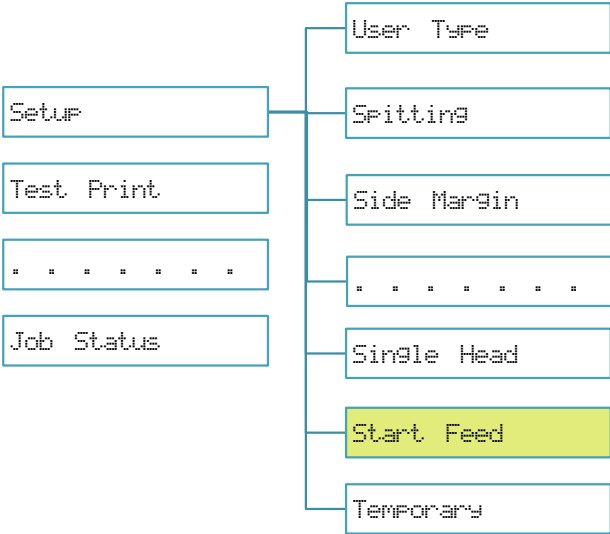
Single Head menu		
Setup item	Setting	Description
Single head	<Off>	Both Print heads are used for printing. This is the recommended setting for GoTx 2190/2260.
	Head1	Only left Print head is used for printing.
	Head2	Only right Print head is used for printing.
	—	• [Cancel] key: Cancels the setting value, and shifts to the previous menu.  5.1 Setup Menu

5.1.25 Start Feed menu

In the Start Feed menu, you can change the margin setting between images.

 NOTE

- This setting may be overridden by settings in your Computer RIP. If you are experiencing unexpected print results, check this Start Feed setting and the settings in your Computer RIP.*



Start Feed menu		
Setup item	Setting	Description
Start Feed	-10mm to <0mm> to 500mm	- Value over 0: The margin setting between images will be wider than when setting 0. - Value equal to 0: The default margin setting between images will be applied. - Value below 0: The margin setting between images will be smaller than when setting 0.
	—	[Enter] key: saves the setting and shifts to the previous menu. [Cancel] key: Cancels the setting value, and shifts to the previous menu.  5.1 Setup Menu

 NOTE

- If you wish to set “Start Feed” to below 0, set “Page Gap” to “Narrow”. If not, the Start Feed setting is not reflected properly.*

 5.1.6.2 Page Gap menu

5.2 Test Print Menu

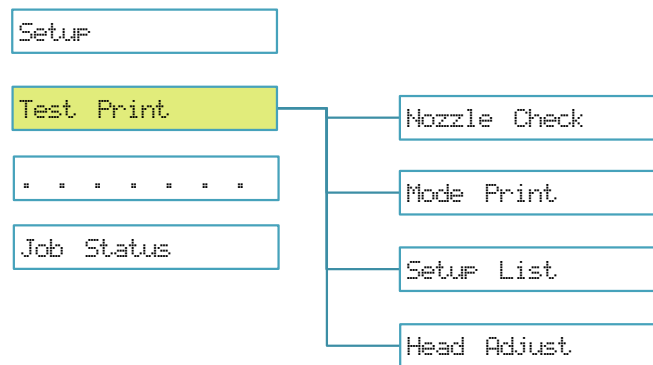
Performs the nozzle check of the Print heads and setup list prints.



TIP

Refer to the following for the operation procedure of test prints.

3.9 Test Print



Test Print Menu	
Setup Item	Description
Nozzle Check	Perform nozzle check printing Used to check whether there are any clogged nozzles on the Print heads 3.9.2 Nozzle Check
Mode Print	Print the Mode print confirmation. Used to confirm the following printing conditions. • Print quality • Effect • Media feed compensation micro adjustment value 3.9.3 Mode Print
Setup List	Setup list printing is performed. Used to check the setup item and the user type. 3.9.4 Setup print
HeadAdjust	Print a test pattern, check any misalignment between print heads, and then perform adjustment. 0 Head alignment
—	• [Enter] key: Printing is displayed on the Operation panel and test printing starts. • [Cancel] key: shifts to the previous menu 5 PANEL SETUP MENU

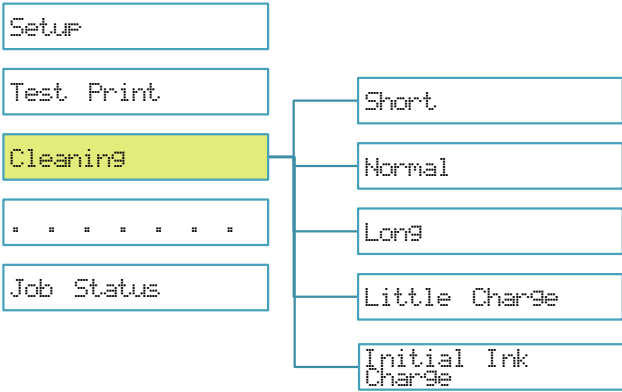
5.3 Cleaning menu



TIP

Head Cleaning can be operated when the printer is Normal
Refer to the following for operation procedures.

6.2.3 Head cleaning



Cleaning Menu		
Setup Item	Sub-item	Description
Short	—	Discharges a smaller amount of ink as compared to “Normal”. • [Enter] key: Cleaning **% is displayed on the Operation panel and head cleaning starts. Progress on the Head cleaning is displayed in % on the Operation panel.
Normal	—	Select this mode for general head cleaning. • [Enter] key: Cleaning **% is displayed on the Operation panel and head cleaning starts. Progress on the Head cleaning is displayed in % on the Operation panel.
Long	—	Discharges a larger amount of ink as compared to “Normal”. • [Enter] key: Cleaning **% is displayed on the Operation panel and head cleaning starts. Progress on the Head cleaning is displayed in % on the Operation panel.

Cleaning Menu		
Setup Item	Sub-item	Description
Little Charge	—	Refills a small amount of ink. Charge a small amount of ink when printing is not stable after ink replenishment.  3.7 Filling Ink • [Enter] key: Ink Refill **% is displayed on the Operation panel and ink replenishment starts. Progress on the ink replenishment is displayed in % on the Operation panel.
Initial ink charge	—	Performs the initial ink charge. If using High capacity ink pack adapter for the first time on a printer that has already had ink filled to it, perform this initial ink charge.  3.7.5 Installing High-capacity ink pack adapters on printers previously filled with ink.
	Start	• [Enter] key: Ink Refill **% is displayed on the Operation panel and ink replenishment starts. Progress on the ink replenishment is displayed in % on the Operation panel.
—	—	• [Cancel] key: shifts to the previous menu  5 PANEL SETUP MENU

5.4 Menu Option menu

Sets up the contents of the Setup menu.

You can make setup items that you do not normally use invisible.

Switch the setting On (displayed) to Off (not displayed) using the [<] key or [>] key on the Operation panel. When the setting is On, ☼ is displayed on the Operation panel.



NOTE

- Even if you select "Off" in the Menu Option menu, you can display the settings temporarily by selecting "Temporary" in the Setup menu.

5.1 Setup Menu

Setup
Test Print
.
Menu Option
.
Display
Job Status

Menu Option		
Setup item	Setting	Description
User Type	Off	Sets up whether to display the User Type menu.
	<On>	
Spitting	Off	Sets up whether to display the Spitting menu.
	<On>	
Side Margin	Off	Sets up whether to display the Side Margin menu.
	<On>	
Media Initial	Off	Sets up whether to display the Media Initial menu.
	<On>	

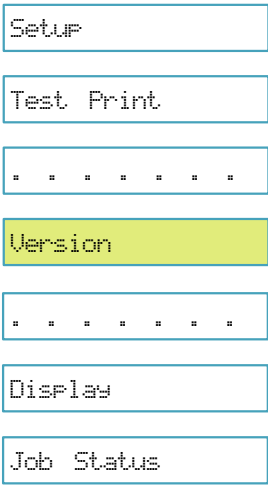
Menu Option		
<i>Setup item</i>	<i>Setting</i>	<i>Description</i>
MediaWidth	Off	Sets up whether to display the MediaWidth menu.
	<On>	
Output mode	Off	Sets up whether to display the Output Mode menu.
	<On>	
Method of Cut	Off	Sets up whether to display the Method of Cut menu.
	<On>	
Origin	Off	Sets up whether to display the Origin menu.
	<On>	
Head Travel	Off	Sets up whether to display the Head Travel menu.
	<On>	
Multi Strike	Off	Sets up whether to display the Multi Strike menu.
	<On>	
Strike Wait	Off	Sets up whether to display the Strike Wait menu.
	<On>	
Slant Check	Off	Sets up whether to display the Slant Check menu.
	<On>	
Auto Cleaning	Off	Sets up whether to display the Auto Cleaning menu.
	<On>	
Ink Status	Off	Sets up whether to display the Ink Status menu.
	<On>	
Roll Length	Off	Sets up whether to display the Roll Length menu.
	<On>	
Exhaustfan	Off	Sets up whether to display the Exhaust Fan menu.
	<On>	
LongStore	Off	Sets up whether to display the Longstore menu.
	<On>	
CR Maintenance	Off	Sets up whether to display the CR Maint. menu.
	<On>	
Initialization	Off	Sets up whether to display the Initialization menu.
	<On>	
Life Times	Off	Sets up whether to display the Life Times menu.
	<On>	
IP Address	Off	Sets up whether to display the IP Address menu.
	<On>	
Subnet Mask	Off	Sets up whether to display the Subnet Mask menu.

5.4 Menu Option menu

Menu Option		
<i>Setup item</i>	<i>Setting</i>	<i>Description</i>
	<On>	
Gateway	Off	Sets up whether to display the Gateway menu.
	<On>	
Header dump	Off	Set whether or not to display the Header dump menu.
	<On>	
Single head	Off	Set whether or not to display the Single head menu
	<On>	
Heater control	Off	Set whether or not to display the Heater control menu.
	<On>	
Start Feed	Off	Sets up whether to display the Start Feed menu.
	<On>	
ALL On		Displays all items in the Setup menu. Pressing the [Enter] key displays ⌘ for all items in the Menu Option menu.
ALL Off		No items in the Setup menu are displayed. - Pressing the [Enter] key deletes ⌘ for all items in the Menu Option menu. - Even if you select “ALL Off”, you can display the items temporarily by selecting “Temporary” in the Setup menu.
—		[Cancel] key: saves the setting and shifts to the previous menu.  5 PANEL SETUP MENU

5.5 Version menu

Displays the machine firmware version.



Version menu		
Setup item	Setting	Description
Version	*.**	• Displays the machine firmware version.
	—	[Cancel] key: Shifts to the previous menu.  5.1 Setup Menu

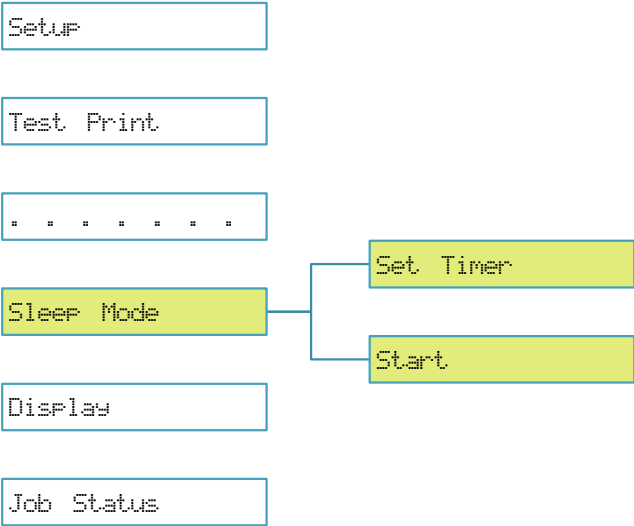
5.6 Sleep Mode menu

Sleep mode settings are configured.
When you activate sleep mode, the printer operates as follows.

- Exhaust fan stops
- Vacuum fan stops
- All Operation panel Lamps turn off except for Power lamp.
- Automatic head cleaning is performed after the time set in the Timer Setting Menu has elapsed.
 👉 5.6.1 Timer Setting menu

 TIP

The cleaning mode reflects the settings in the Operation panel
👉 6.2.3 Head cleaning



Sleep Mode menu		
Setup item	Setting	Description
Sleep Mode	Set Timer	Set the auto cleaning interval of this printer for Sleep Mode. 👉 5.6.1 Timer Setting menu
	Start	Activate Sleep Mode 👉 5.6.2 Sleep Mode Start menu
	—	[Cancel] key: Shifts to the previous menu. 👉 5.1 Setup Menu

5.6.1 Timer Setting menu

Set the head cleaning interval of the printer for Sleep Mode.

When the set time period has passed, the Print head is cleaned automatically.

NOTE

- *During Sleep Mode, even if the set amount of time has passed, Print head cleaning is not performed under the following circumstances.*
 - *Printer is not in Media Load mode*
 - *Waste fluid tank is full*
 - *Ink cartridge has been removed*

When the printer returns to a normal state, head cleaning is restarted, and Sleep Mode continues

7.2 Error Messages

- *If one of the above conditions occurs during head cleaning, cleaning is stopped.*
When the printer returns to a normal state, head cleaning is restarted.

7.2 Error Messages

Set Timer menu		
Setup item	Setting	Description
Set Timer	1 hour	When the set time has elapsed, head cleaning starts.
	2 hours	
	3 hours	
	4 hours	
	5 hours	
	<6 hours>	
	9 hours	
	12 hours	
	18 hours	
	24 hours	
	—	
		[Cancel] key: Shifts to the previous menu.  5.6 Sleep Mode menu

5.6 Sleep Mode menu

5.6.2 Sleep Mode Start menu

Activate Sleep Mode

During Sleep Mode, **Restart → Enter** is displayed on the Operation panel.

During Sleep Mode, pressing [Enter] key will return the printer to Normal.

NOTE

- If the printer is under one of the following conditions while shifting to Sleep Mode, Don't Start Sleep Mode is displayed, and the printer will not enter Sleep Mode. .

- Printer is not in Media Load mode
- Waste fluid tank is full
- Ink cartridge has been removed

Activate Sleep Mode again after returning the printer to a normal state.

 7.2 Error Messages

- If one of the above conditions occurs while the printer is in Sleep Mode, the printer will not return to Normal condition, even after pressing the [Enter] key.

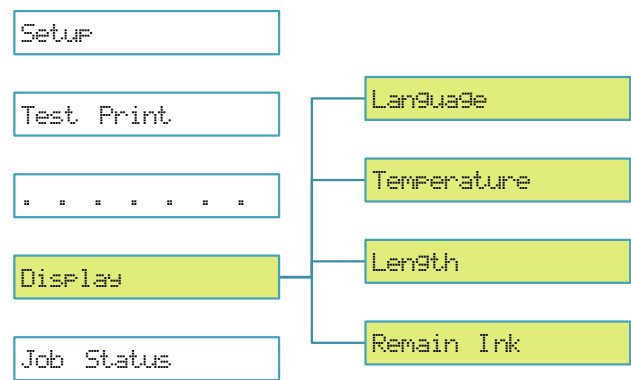
Return the printer to a normal state, and then press the [Enter] key to return the printer to normal operations.

 7.2 Error Messages

Start Sleep Mode menu		
Setup item	Setting	Description
Start	Start Sleep Mode?	• [Enter] key: activates Sleep Mode. • [Cancel] key: shifts to the previous menu without activating Sleep Mode.  5.6 Sleep Mode menu
	—	The following content is displayed on the Operation panel. Restart → Enter • [Enter] key: return the printer to normal operation.

5.7 Display menu

Sets the language and unit displayed on the LCD monitor of the Operation panel.



Display menu		
Setup item	Setting	Description
Display	Language	Sets the language used in the menu items displayed on LCD monitor of Operation panel.  5.7.1 Language menu
	Temperature	Sets the unit of temperature display.  5.7.2 Temperature menu
	Length	Sets the unit to display the length.  5.7.3 Length menu
	Remain Ink	Sets whether to display the ink level indicator.  5.7.4 Remain Ink menu
	—	• [Enter] key: saves the setting and shifts to the selected menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5 PANEL SETUP MENU

5.7.1 Language menu

Sets the language used in the menu items displayed on the LCD monitor of the Operation panel.

Language (Display) menu		
Setup item	Setting	Description
Language	<English>	Displays the menu items in English.
	Japanese	Displays the menu items in Japanese.
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.7 Display menu

5.7.2 Temperature menu

Sets the unit of temperature display.



NOTE

- This setting is an obsolete setting in relation to the GoTx 2190/2260.

Temperature (Display) menu		
Setup item	Setting	Description
Temperature	<Celsius [°C]>	Displays the temperature in Celsius [°C].
	Fahrenheit [°F]	Displays the temperature in Fahrenheit [°F].
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.7 Display menu

5.7.3 Length menu

Sets the unit to display the length.

Length (Display) menu		
Setup item	Setting	Description
Length	<mm>	Displays the length in millimeters (mm).
	inch	Displays the length in inches (inch).
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.7 Display menu

5.7.4 Remain Ink menu

Sets whether to display the ink level indicator.



NOTE

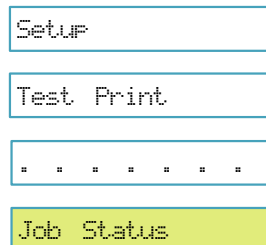
- *This display setting is an obsolete setting in relation to the GoTx 2190/2260. Set this setting to Off.*

Setup item	Setting	Description
Remain Ink	On	Displays the ink level indicator.
	<Off>	The ink level indicator is not displayed.
	—	• [Enter] key: saves the setting and shifts to the previous menu. • [Cancel] key: cancels the setting and shifts to the previous menu.  5.7 Display menu

5.8 Job Status menu

Various information relating to the previous print job will be displayed.

The length of printed data and if the print is completed will be displayed. When the print is cancelled, information relating to the completed part of the print will be displayed.



Job Status menu		
Setup item	Setting	Description
Job Status	JobStatus	Displays if the print is completed. When the print is completed: <code>Completed</code> . When the print is canceled: <code>Canceled</code> .
	ToDoLength	The total length of print data (media feeding direction) will be displayed.
	Done	The printed length will be displayed.
	Remain	The remaining length of print data will be displayed.
	—	[Cancel] key: cancels the setting and shifts to the previous menu. 5 PANEL SETUP MENU

TIP

- This function should be used to check the information relating to the print data when the print operation has completed. For details on data while printing, please refer to below.

4.4.3.2 Settings that can be changed or confirmed while printing

4.4.5 Normal Display while Printing

The values displayed in this function are calculated by the printer based on the print data, however the information is an estimate only.

If the print data includes no length data, all information will be displayed as 0.

6. MAINTENANCE

This chapter describes the required daily maintenance of the GoTx 2190 / 2260.

6.1 Replacing Consumable components

This section describes when and how to replace Ink cartridges (or ink packs), roll media and Flushing box sponges.

6.1.1 Replacing Ink cartridges (or Ink packs)

This section describes when to replace Ink cartridges.

1) Replacement time

- a. When [*****] Ink Low is displayed on the Operation panel.
 - This message is displayed when there is a small amount of ink remaining in Ink cartridge.
 - The alarm buzzer sounds.
To stop the buzzer, press the [Enter] key on Operation panel.
 - Replace with the new Ink cartridge.
- b. When [*****] Ink End is displayed on Operation panel
 - This message is displayed when there is no ink remaining in Ink cartridge.
 - The alarm buzzer sounds.
To stop the buzzer, press the [Enter] key on Operation panel.
 - Immediately replace it with the new Ink cartridge.



NOTE

- [*****] in the messages for ink cartridge replacement indicates the color (slot number) that is running low or has run out, using the following characters:
 - 1 (Slot 1)
 - 2 (Slot 2)
 - 3 (Slot 3)
 - 4 (Slot 4)
 - 5 (Slot 5)
 - 6 (Slot 6)
 - 7 (Slot 7)
 - 8 (Slot 8)
 - ALL (All cartridges).
- If Ink End is displayed, the printing operation stops.
- If Ink End is displayed, you cannot print until inserting the new Ink cartridge.
- If there is no Ink cartridge for replacement at hand, leave the empty Ink cartridge inserted in the printer.

Leaving the printer with Ink cartridge removed may result in clogging of the Print head.

2) Type

Be sure to replace the ink cartridge(s) with the same ink type (Sublimation / Pigment / Reactive) & colour.



NOTE

- Use genuine GoTx / Pigment Inc ink cartridges or ink packs.
This printer is designed to use Pigment Inc ink cartridges and ink packs.
If you use inks which are not supplied by GoTx or your GoTx dealer:
 - *print quality may decline*
 - *any problems caused by using an ink cartridge or pack other than those recommended above will not be covered by warranty, any repair expenses will be paid by the customer.*
- For types and details of ink packs, contact your local GoTx dealer.

3) Replacement steps

Follow the procedure below to replace Ink cartridges / High-capacity ink pack adapters.



CAUTION

- Before operation, make sure to read the Safety Data Sheet(s) (SDS) for the inks.
- When handling ink cartridge or ink packs, pay attention so that ink does not come into contact with your eyes or skin.
If ink gets into your eyes or makes contact with your skin, immediately wash it off with water.
Failing to do so may cause irritation or slight inflammation of the eyes.
In case of any abnormality, consult a physician immediately.
- Do not disassemble ink cartridges or ink packs.
If disassembled, ink might come into contact with your eyes or skin.



NOTE

- Do not use Ink cartridges that have been used in other printers.
- Do not shake ink cartridges / ink packs vigorously
Doing so may cause ink leakage.
- Do not disassemble ink cartridges / ink packs.
A disassembled ink cartridge or ink pack must not be used.
- When moving ink cartridge or ink packs from a storage location to the printer location, leave the ink cartridges / packs in the printer location for 3 or more hours before printing.
- Do not insert / remove an Ink cartridge of the High-capacity ink pack adapters other than when Ink Low or Ink Out message is received.
Incorrect print results may result.

1. Confirm that the printer is turned ON.

**NOTE**

- *Do not replace High-capacity ink pack adapters when the printer is turned OFF. The remaining ink may not be detected correctly, causing abnormal printing.*

2. Remove the High-capacity ink pack adapter that you want to replace from the Ink cartridge slot.

**NOTE**

- *Do not remove only the Ink pack from the High-capacity ink pack adapter while the High-capacity ink pack adapter is installed in the printer.*

**NOTE**

- *Put the used Ink packs in a plastic bag, etc. before disposing of it in compliance with local ordinance and instructions of local authorities.*

3. Take out the new Ink pack from the bag.

**NOTE**

- *Open the bag just before inserting the Ink pack to the High-capacity ink pack adapter. Leaving Ink pack with the bag open for a long time may result in abnormal printing.*
- *Do not insert or remove the High capacity ink pack adapter more than 6 times. If the High-capacity ink pack adapter is inserted / removed more than 6 times, the Connector rubber will require replacement.*

4. Install the new Ink pack to the High-capacity ink pack adapter.

 3.7.3 Installing Ink Packs

5. Shake the High-capacity ink pack adapter gently 2 to 3 times and insert it into Ink cartridge slot.

**NOTE**

- *Ensure that the Ink pack is installed to the High-capacity ink pack adapter before inserting the High-capacity ink pack adapter into the Ink cartridge slot.*
- *Insert High-capacity ink pack adapters all the way into the Ink cartridge slots.*

6. Confirm that the Operation panel returns to Normal.

**NOTE**

- *Printing resumes after the High-capacity ink pack adapter is replaced during printing.*

- High capacity ink pack adapter replacement is complete.

** CAUTION**

- Perform an initial ink charge from the Cleaning menu after installing the High-capacity ink pack adapter under the following circumstances:
 - When installing High-capacity ink pack adapters for the first time to a printer where ink has already been filled.
 - After using High-capacity ink pack adapters and replacing them with new ones.
 - If the printer is used without the initial ink charge, the air inside High-capacity pack adapter will ingress to the Ink Tubes, which may cause nozzle clogging.

 5.3 Cleaning menu

6.1.2 Replacing Roll Media

This section describes when and how to replace the roll media.

1) Replacement time

Replace the roll media when the following situations occur:

- a. When the roll media loaded in the printer runs out
 - End of Roll is displayed on the Operation panel.
 - If media runs out during printing, the printer stops printing.
- b. When you wish to change the type of media being used.

2) Type



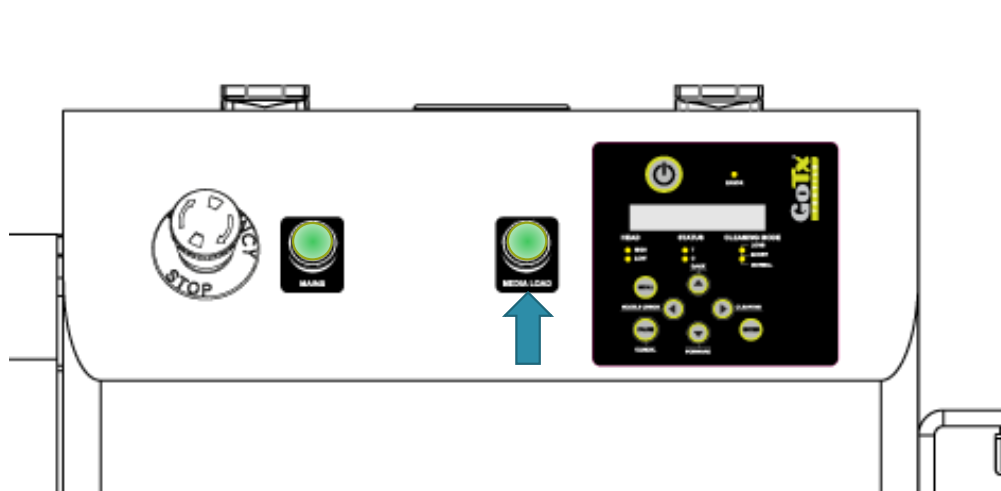
TIP

Please contact your local GoTx dealer for types and details of recommended media.

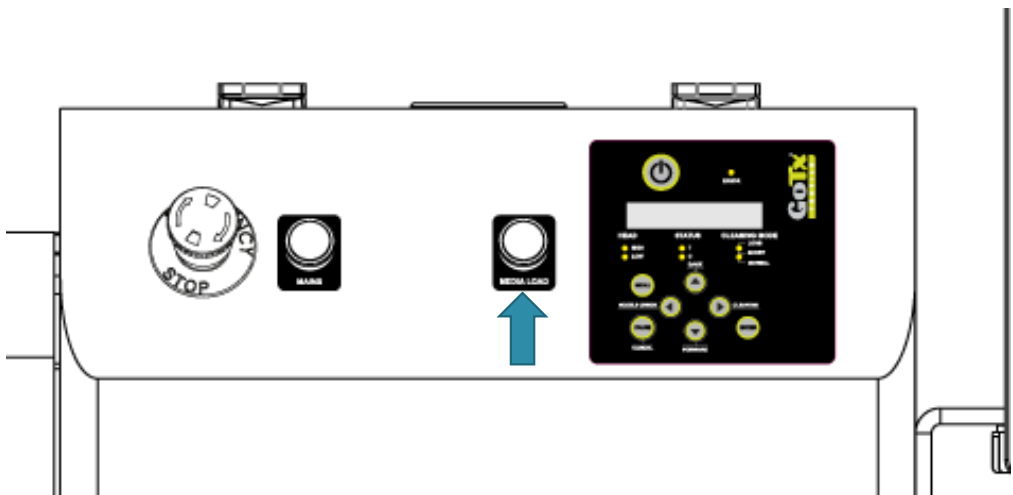
3) Replacement steps

Follow the procedure below to replace the roll media.

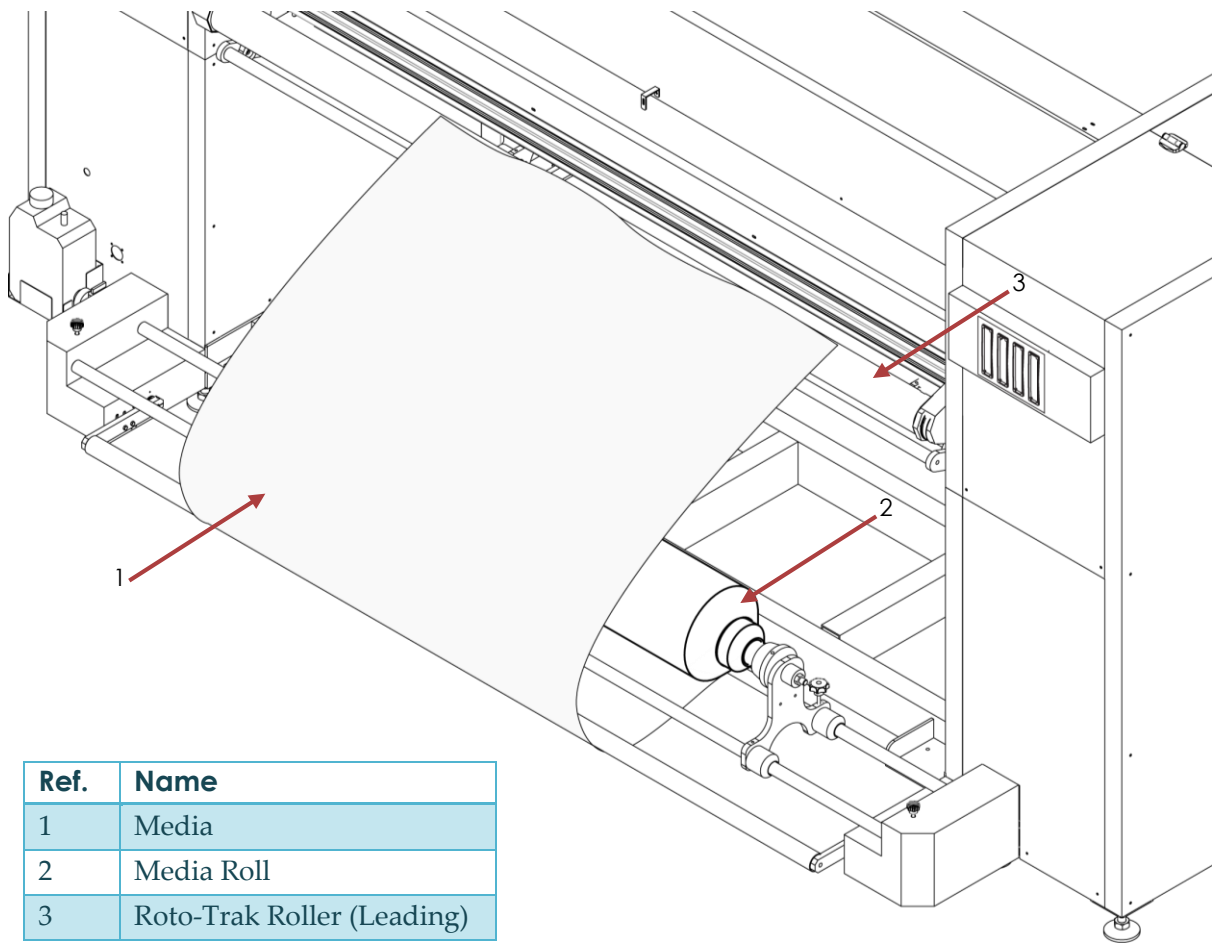
1. If the printer is turned ON, confirm that the printer is not printing or some other operation is in progress.
2. If the Media Load indicator lamp is illuminated green, press the [Media Load] button to set the printer to an unloaded state.



3. The Media Load indicator lamp should now not be illuminated.

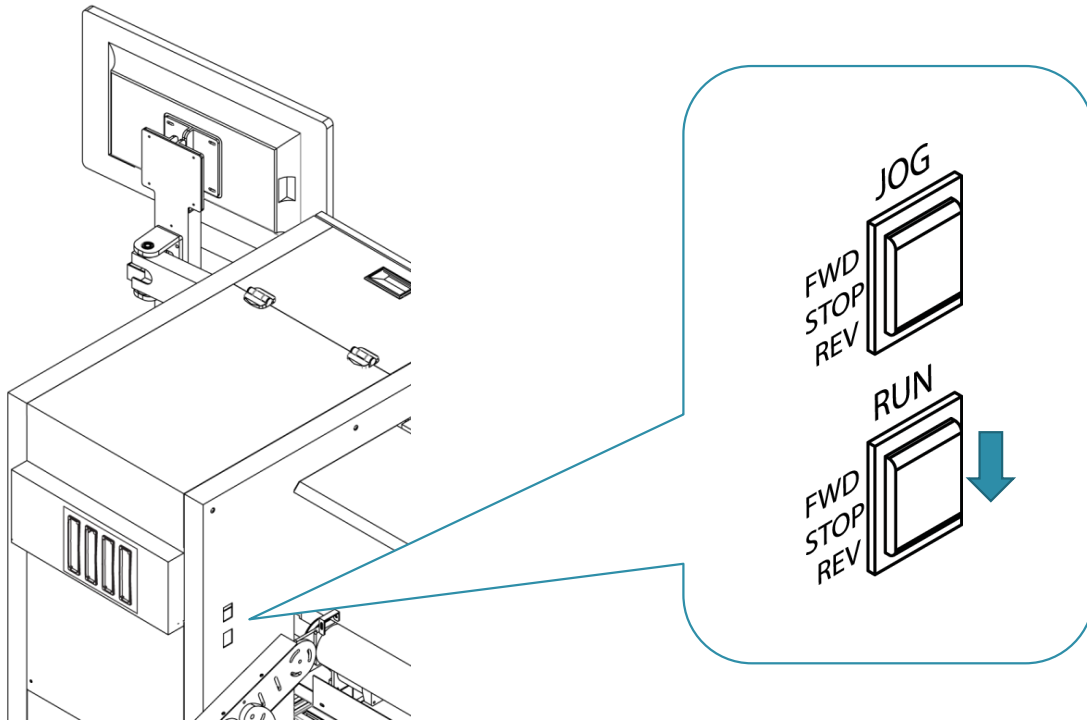


4. Ensure any remaining media is free from the rewind assembly at the front of the printer.

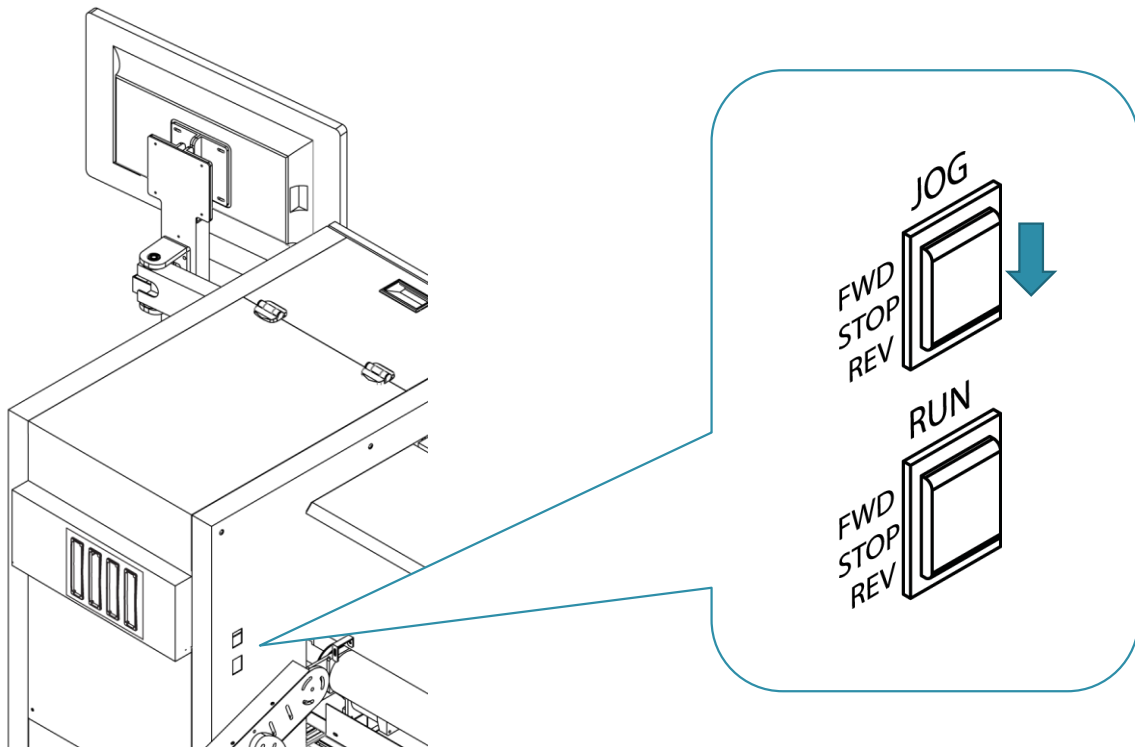


Ref.	Name
1	Media
2	Media Roll
3	Roto-Trak Roller (Leading)

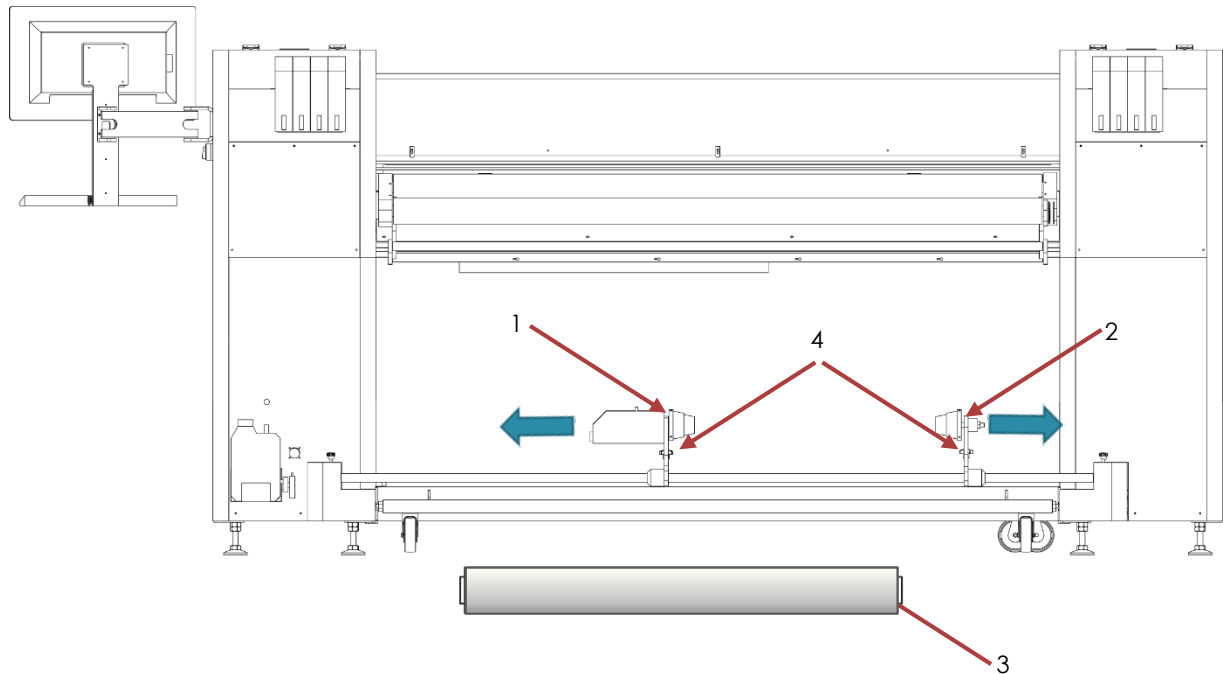
5. At the left rear of the printer, switch the [Run] button to REV (reverse) – this will activate the motor on the Feed assembly to enable any unused media to be rewound to the media roll.



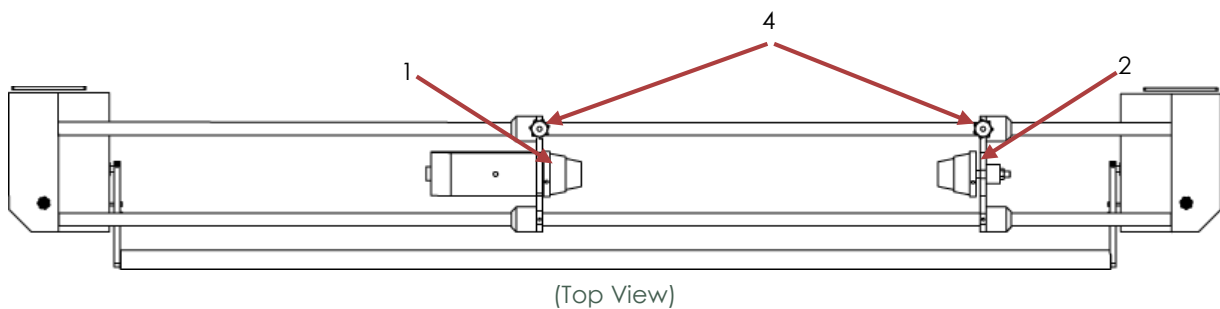
6. Press the [Jog] button at the rear left of the printer to the REV (Reverse) position. This will activate the motor that drives the Roto-Trak Rollers and should start guiding the media back from the front of the printer over the Roto-Trak Rollers toward the media roll.



7. If necessary, use your foot to lift the Feed dancer bar – this will simulate excessive tension on the media, allowing the Feed motor to Run – this will rotate the media roll, winding the unused media back to the roll.
8. Loosen the Fixing knobs of the right and left Roll media core chucks.

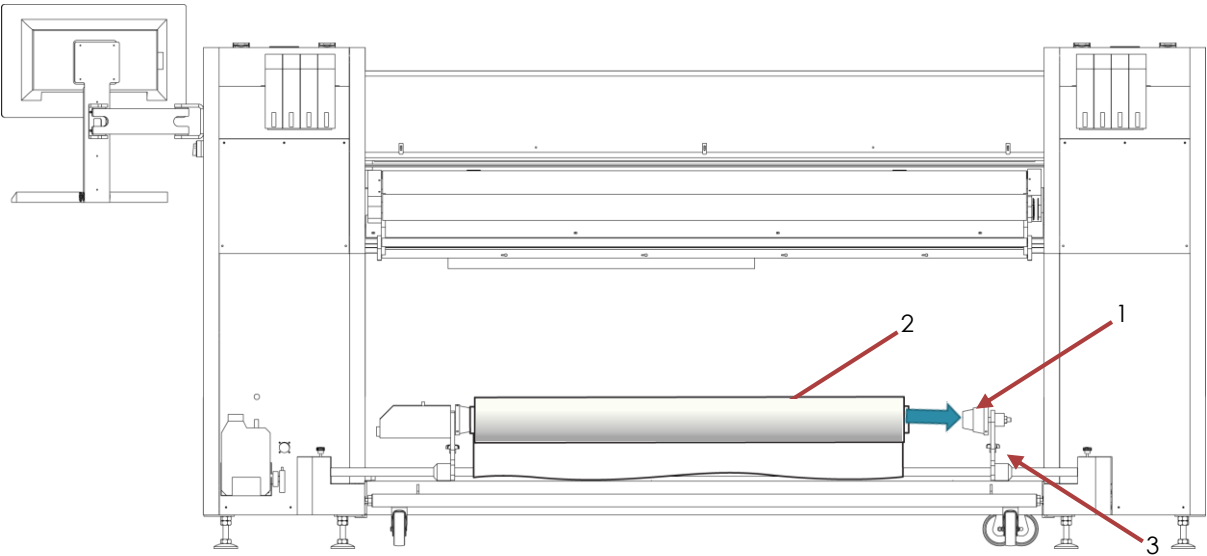


Ref.	Name
1	Feed Core Chuck (Driven)
2	Feed Core Chuck (Idle)
3	Roll media
4	Fixing knob



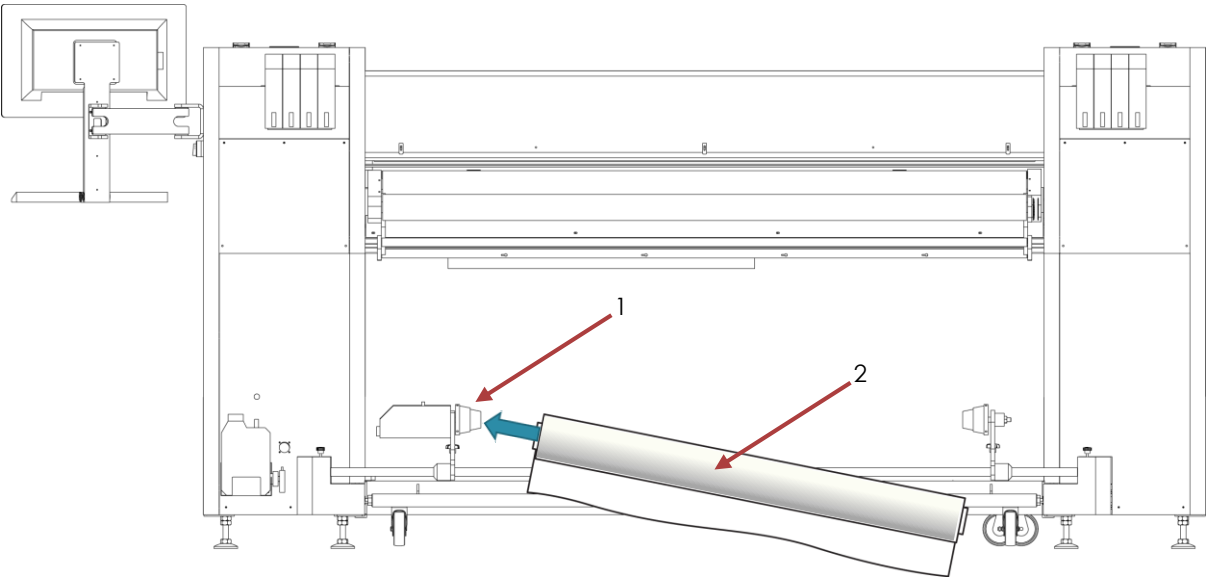
6.1 Replacing Consumable components

9. Remove the Feed Core Chuck (Idle) from the roll media (while manually supporting the roll).



Ref.	Name
1	Feed Core Chuck (Idle)
2	Roll media
3	Fixing knob

10.Remove the roll media from the Feed Core Chuck (Driven)



Ref.	Name
1	Feed Core Chuck (Driven)
2	Roll media

11.To load another roll media, refer to the following.

i TIP

For loading the roll media, refer to 3.8 Loading Media
For storing roll media not in use, refer to 4.2.3 Precautions on Storing Media.

- The procedure for replacing the roll media is now complete.

6.1.3 Replacing Flushing box sponges

This section explains how to replace the Flushing box sponges.

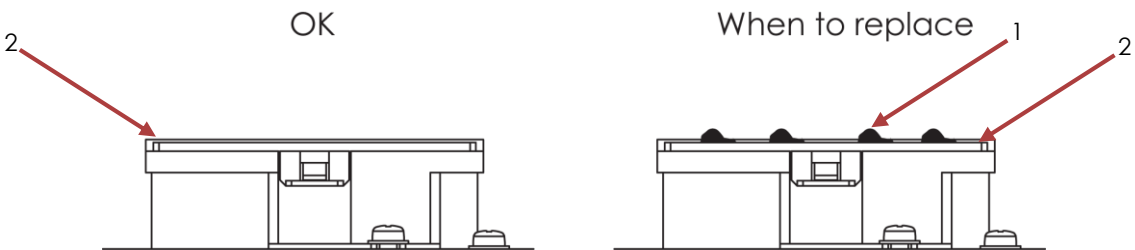
 NOTE

- *Make sure to install flushing box sponges in the printer – do not operate the printer without the Flushing box sponges.*
Flushing box sponges are an essential part for consistent print quality.

1) Replacement time

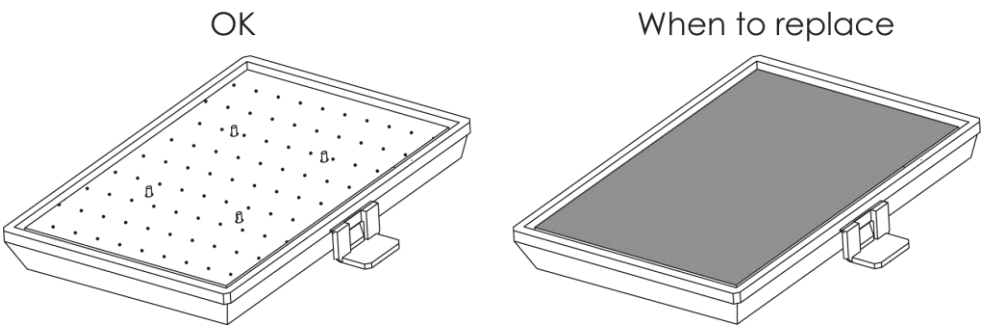
Replace the Flushing box sponges in the following situations.

- When ink buildup has accumulated on the Flushing box sponges that extends above the Flushing box frame.



Ref.	Name
1	Ink buildup
2	Flushing-box frame

- When pin holes of light cannot be seen through the Flushing-box sponge when the sponge is held up to the light.



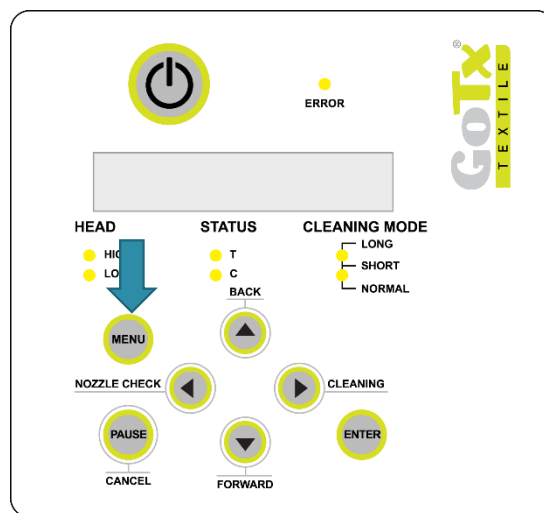
2) Type

Please refer to your local GoTx dealer for supply of the correct Flushing-box sponge replacements for your Gotx 2190 / 2260.

3) Replacement steps

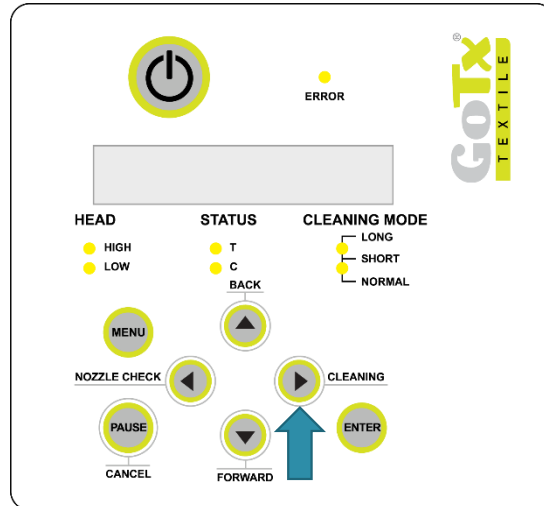
Follow the steps below to replace the Flushing-box sponges.

1. Check the following while the printer is turned ON.
 - Printing or other operations are not in progress.
 - Operation panel display is Normal.
2. Display the CR Maintenance menu on Operation panel.
 - a. Press the [Menu] key on Operation panel.

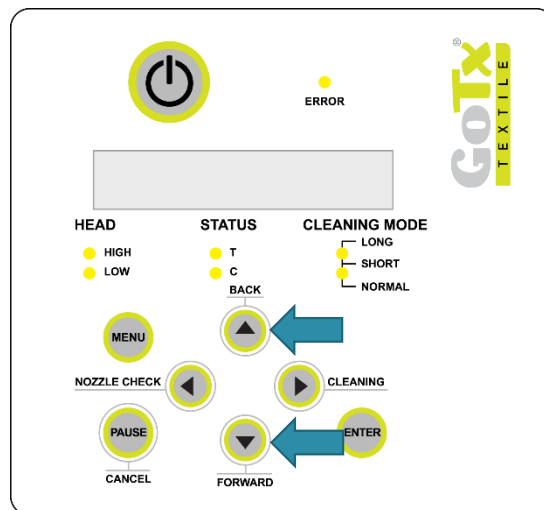


- Menu1: Setup> is displayed on Operation panel.
- Operation panel shifts to the Setup menu display.

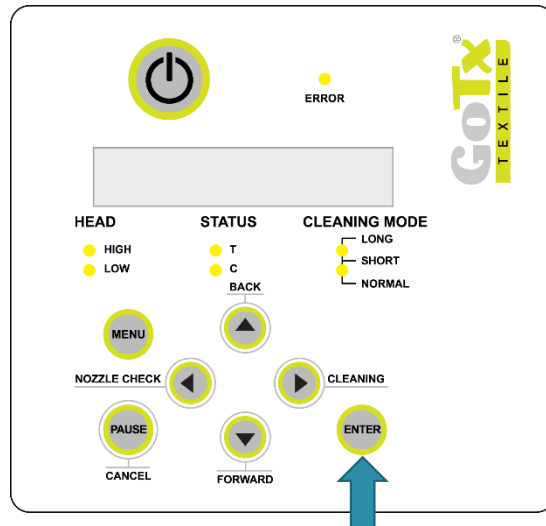
- b. Press the [>] key on the Operation panel.



- Set1: User Type is displayed on Operation panel.
- c. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select CR Maintenance.



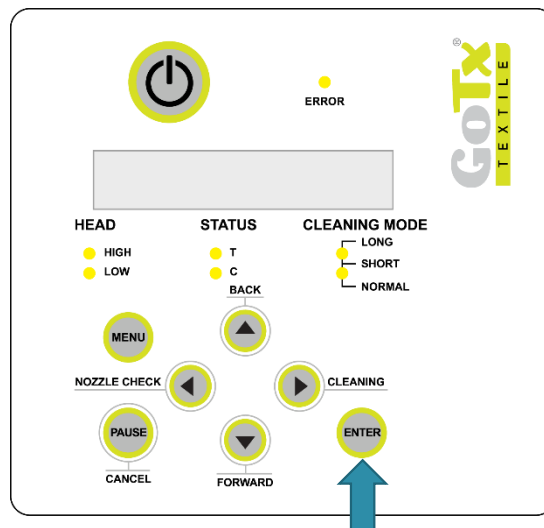
- d. Press the [Enter] key on the Operation panel.



- CR Mainte.: Start is displayed on the Operation panel.
- The display enters the CR Maintenance menu.

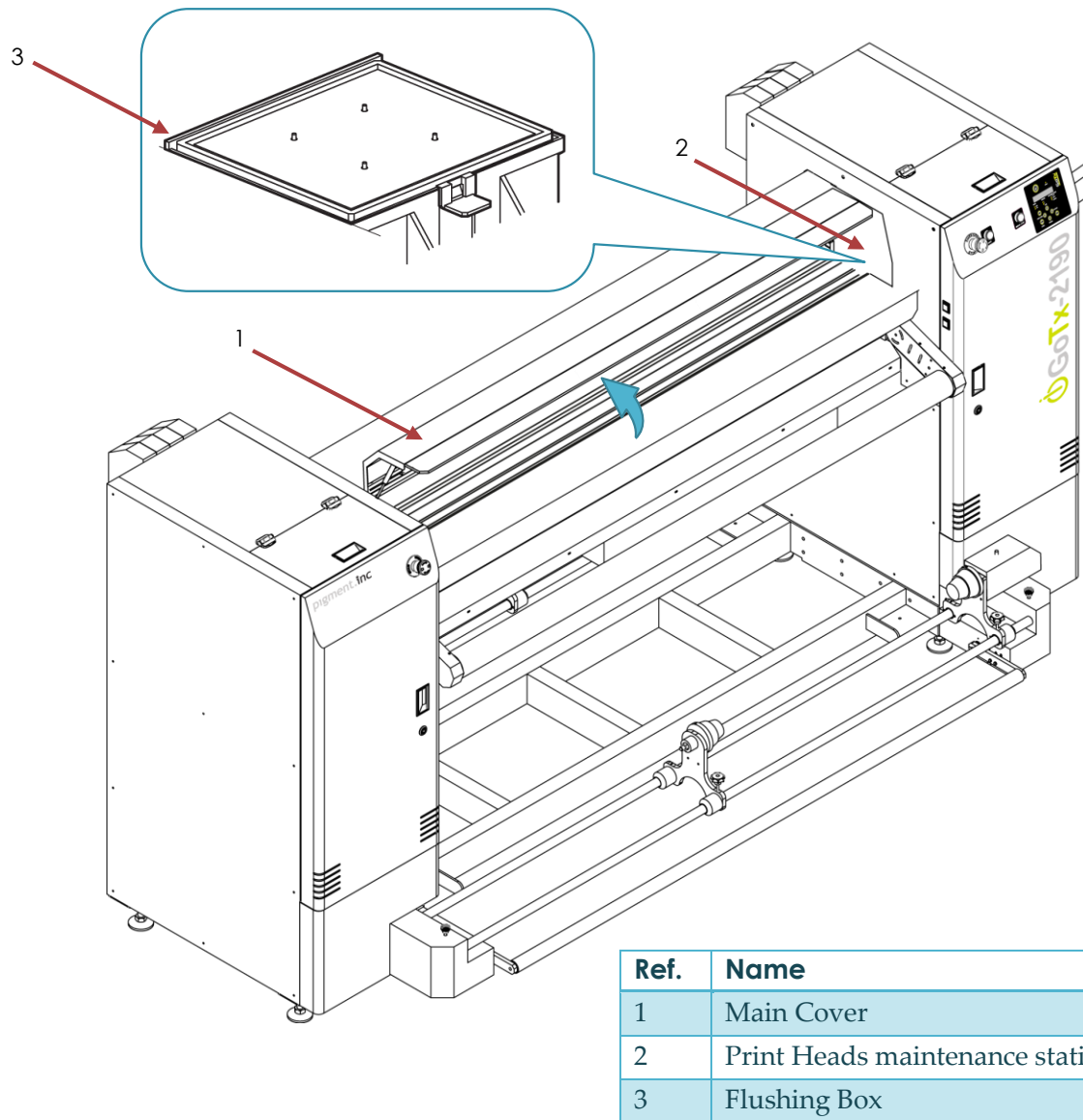
 5.1.17 CR Maintenance menu

3. Press the [Enter] key on Operation panel.



- Maintenance starts.
- Print head moves to the left.
- CR Mainte.: End is displayed on Operation panel.

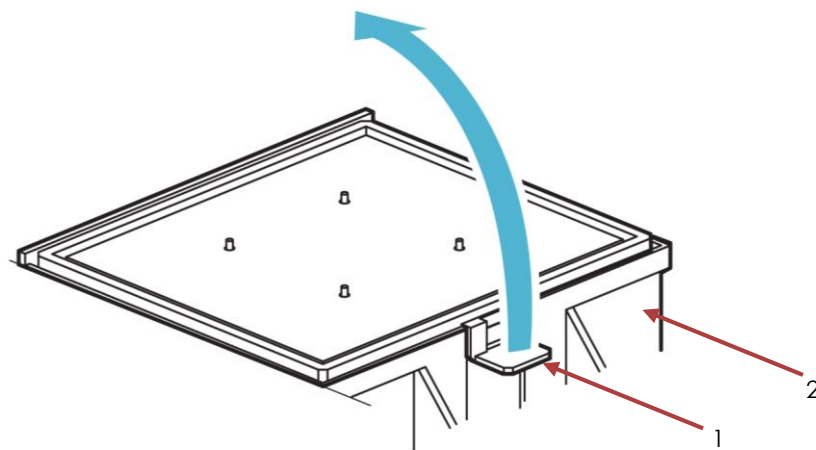
4. Lift the Main cover to the open position, locate the Flushing-box sponges at the Print Heads maintenance station within the Home Position Compartment.



NOTE

- Ensure that the Flushing box sponge is replaced in a short period of time. Leaving the Print head at the CR maintenance position for too long may result in clogging of the Print heads.

5. Lift the Flushing-box sponge tab and unhook. Then remove the Flushing-box sponge.

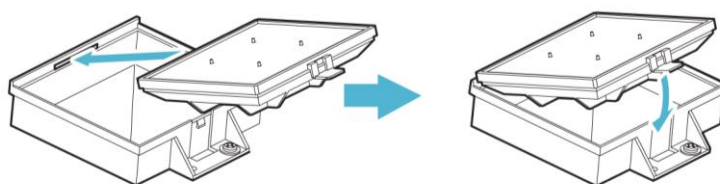


Ref.	Name
1	Flushing-box Sponge tab
2	Flushing Box

CAUTION

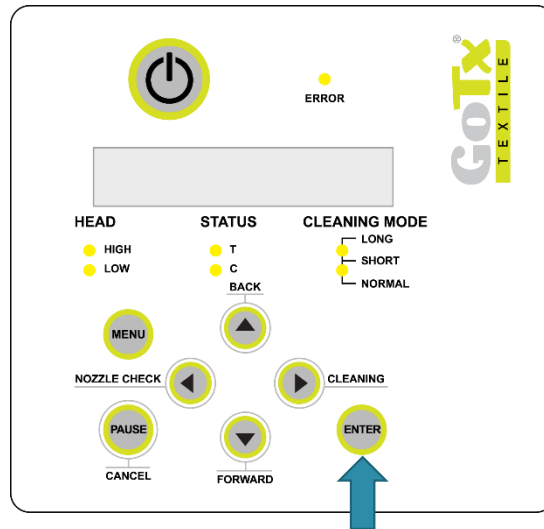
- Do not spill waste fluid when replacing the Flushing-box sponges. If waste fluid comes into contact with the Roto-trak roller assembly, it may damage its surface and affect media feeding and / or transfer waste ink to the media.

6. Install new Flushing box sponges to each Flushing box.



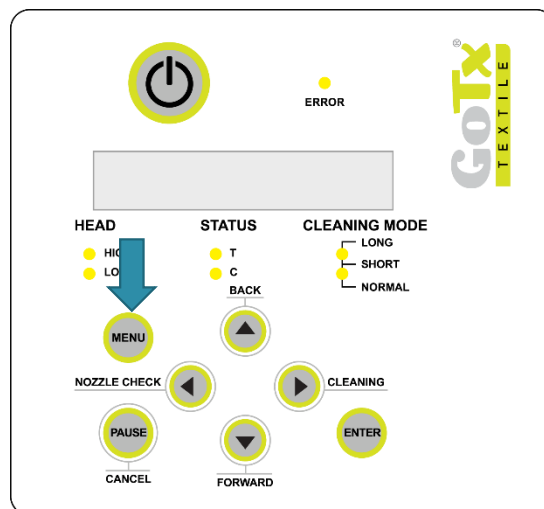
7. Close the main cover to the printer.

8. Press the [Enter] key on Operation panel.



- Print head returns to it's original position.
- OR Mainte.: Start is displayed on Operation panel.

9. Press the [Menu] key on the Operation panel.



- The printer returns to Normal state.
- The Flushing-box sponge replacement is complete.

6.2 Cleaning the printer

Periodic cleaning is necessary to keep the printer in good condition and to maintain consistent print quality.

WARNING



Do not insert or drop metal or flammable objects into the printer through openings such as a vent.

It could lead to an electric shock or fire.



If foreign substances or liquids such as water enter the printer, do not use the printer.

It could lead to an electric shock or fire.

Immediately turn OFF the power switch, disconnect the power plug from the electric socket, and contact your local MUTOH dealer

CAUTION



Unplug the power cable with the power off, before cleaning the outer case and inside of the printer.



Do not use volatile solvents such as thinner, benzene, or alcohol. These solvents may cause damage to the paint.



Make sure that no moisture enters the printer. The electric circuit inside the printer may be short-circuited.



Never open covers that are attached with screws under any circumstances.

This may cause an electric shock or a malfunction.

This section describes how and when to clean each part of the printer.

6.2.1 Cleaning the outer case

CAUTION

Unplug the power cable with the power off, before cleaning the outer case of the printer.

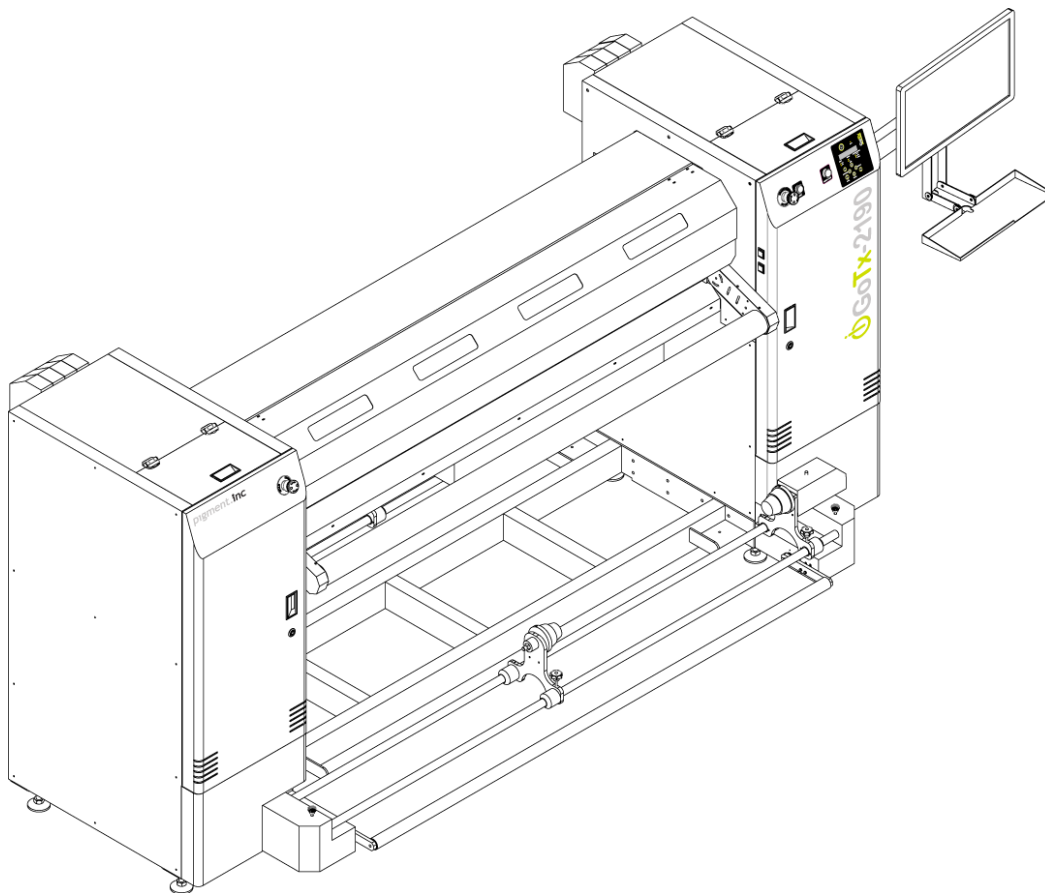
This section describes how to clean the outer case.

1) Frequency

The outer case of the printer should be cleaned Monthly.

2) Method

Wipe out dust and dirt attached to the outer casings with a soft cloth.



6.2.2 Cleaning the inside of the printer

⚠ CAUTION

Unplug the power cable with the power off, before cleaning the inside of the printer.

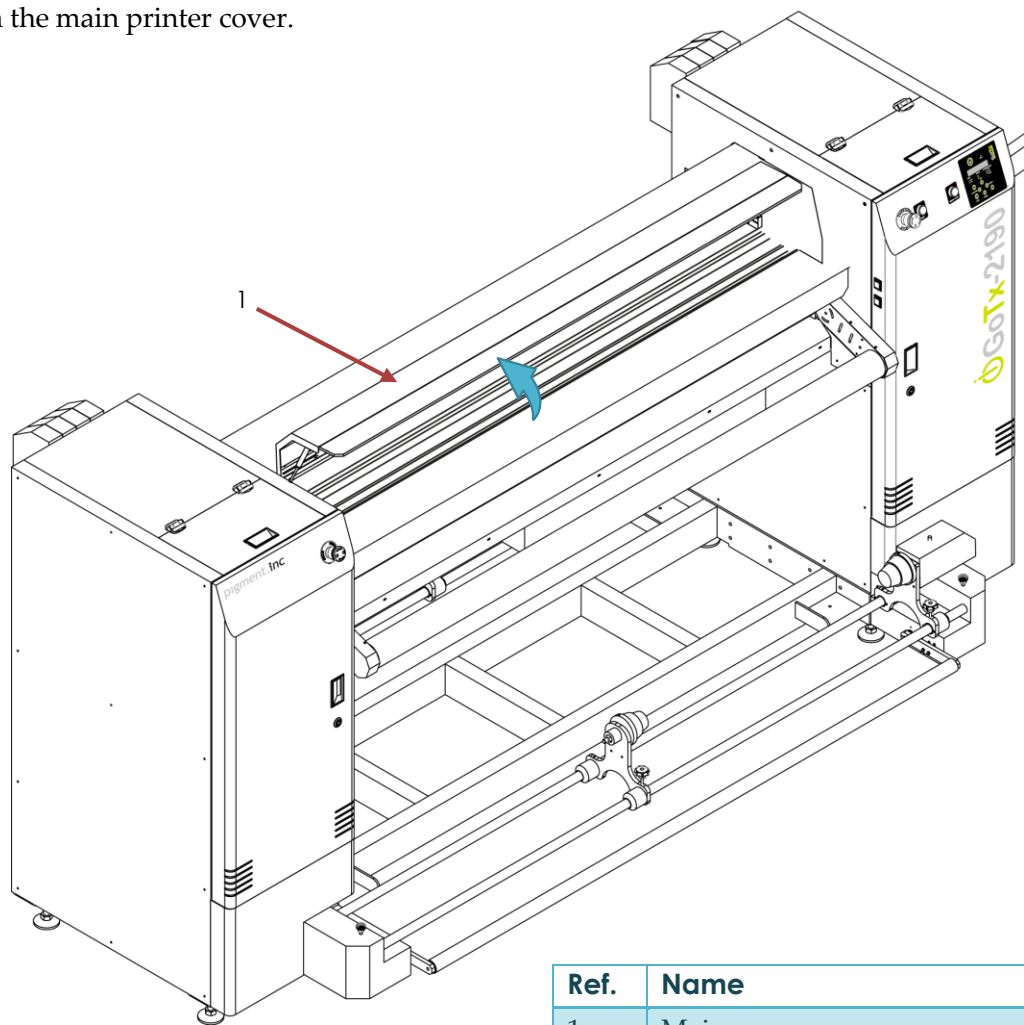
This section describes how to clean the inside of the printer.

1) Frequency

The inside of the printer should be cleaned Monthly.

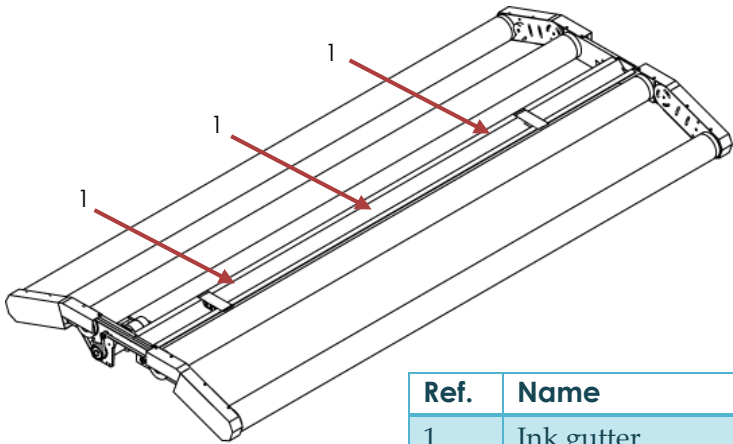
2) Method

- 1. Open the main printer cover.



Ref.	Name
1	Main cover

- 2. Use a damp (not wet) cloth to wipe ink mist, dust etc. from the interior case parts.
- 3. Use a damp (not wet) cloth to wipe ink mist, dust etc. from the ink gutter (located at the centre of the Roto-trak roller assembly).



Ref.	Name
1	Ink gutter

6.2.3 Head cleaning

If the printed data is unexpectedly faint or dots are missing, clean the Print head and Nozzles by performing Head cleaning.

 CAUTION

Turn the printer on and then perform Head cleaning.

 NOTE

- *Perform a Head cleaning once per week if the printer is not to be used for one week or longer. Doing so will preserve print quality and reduce Print head clogging*

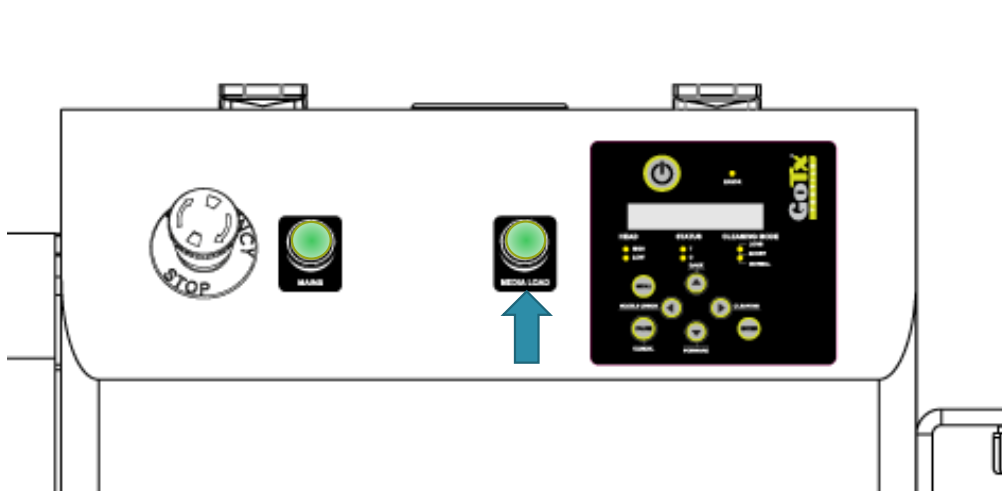
This section describes how to perform the Head cleaning.

1) Frequency

Head cleaning should be performed as required (missing nozzles in Nozzle check test print), or at least weekly if the printer is unused for one week or more.

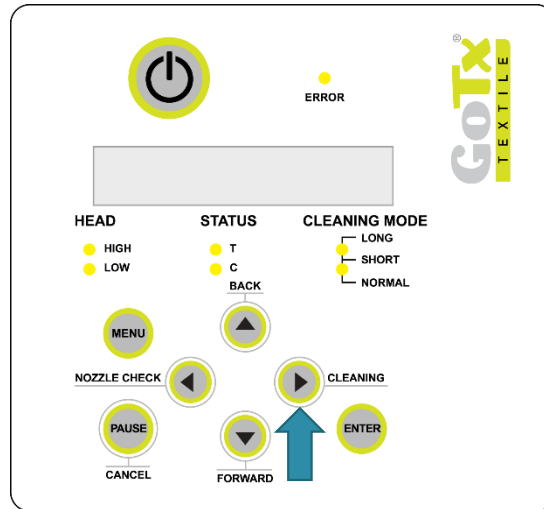
2) Method

1. Confirm that the Operation panel is Normal.
2. Check that the printer is in a Media loaded state.



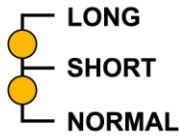
3. Press the [>] key on the Operation panel to select the Cleaning mode.

- Press [>] key to select the Cleaning mode
- The LED lights on the Operation panel show the currently selected Cleaning mode



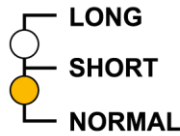
- The following figures explain the LED lights for each cleaning mode.

CLEANING MODE



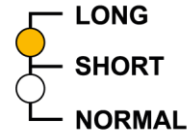
Short mode

CLEANING MODE



Normal mode

CLEANING MODE



Long mode

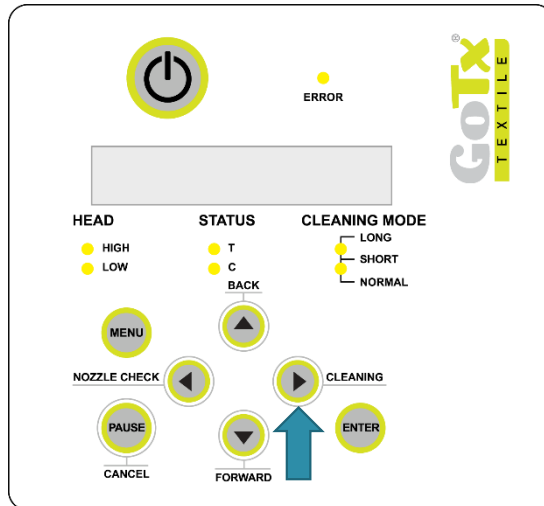
Cleaning mode	Description
Short Mode	Discharges smaller amount of ink as compared to "Normal"
Normal mode	Select this mode for general cleaning
Long mode	Discharges a larger amount of ink as compared to "Normal". Used when the Print head does not improve by normal head cleaning

NOTE

- Head Cleaning can also be performed from Panel Setup menu.

 5.3 Cleaning menu

4. Press the [Cleaning] key on the Operation panel for more than two seconds.



- Head cleaning starts
- Cleaning ******* is displayed on the Operation panel.
- After the Head cleaning is complete, the Operation panel will shift to Normal state.

NOTE

- If blurry prints or missing nozzles do not improve after one Head cleaning, perform a Strong cleaning.
- Head Cleaning can also be performed from the Panel Setup menu.

5.3 Cleaning menu

- If prints do not improved after several Head cleanings, refer to 7 TROUBLESHOOTING, and take appropriate measures.

6.2.4 Cleaning the Cleaning Wiper (Wiper Blade)

This section describes how to clean the Cleaning wiper.

1) Frequency

The Wiper should be cleaned at the end of each print day as part of the printer shut-down routine.

2) Method

Follow the procedure below to clean the Cleaning wiper.

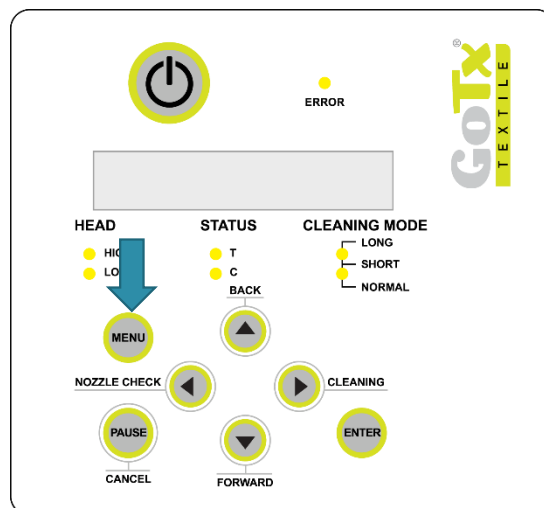
CAUTION

Turn the printer on and then clean the Cleaning wiper.

NOTE

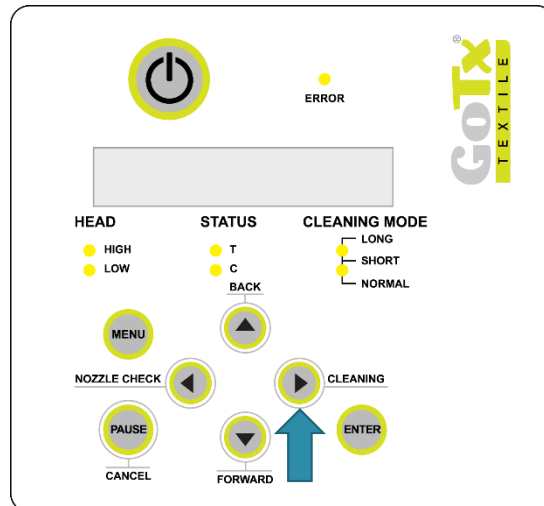
- Use a Cleaning stick (swab) to clean the Cleaning wiper.
Refer to your local GoTx dealer for cleaning supplies.

1. Check the following while the printer is turned ON.
 - Printing or other operations are not in progress.
 - Operation panel display is Normal.
2. Display the CR Maintenance menu on Operation panel.
 - a. Press the [Menu] key on Operation panel.

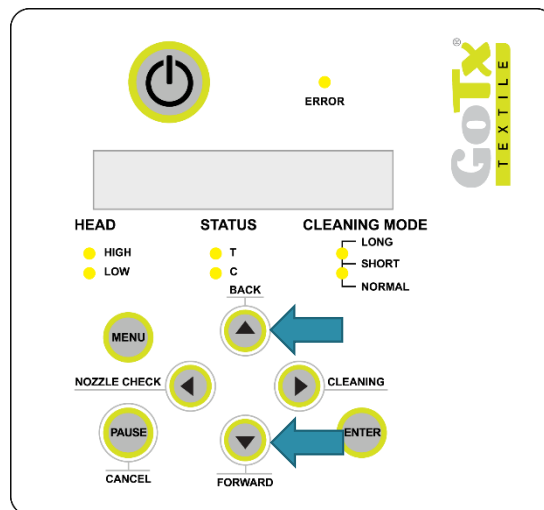


- Menu1: Setup> is displayed on Operation panel.
- Operation panel shifts to the Setup menu display.

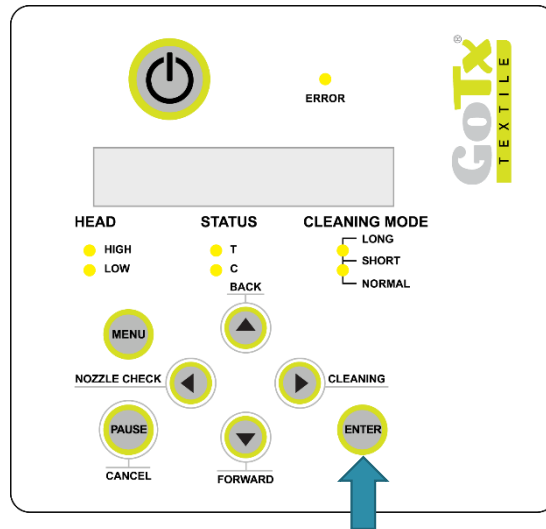
- b. Press the [>] key on the Operation panel.



- Set1: User Type is displayed on Operation panel.
- c. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select CR Maintenance.



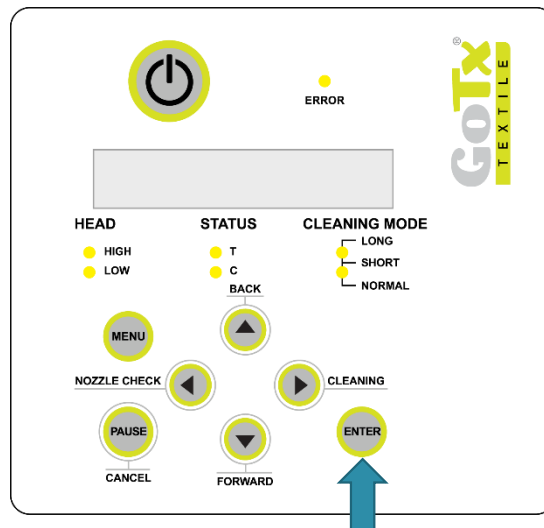
- d. Press the [Enter] key on the Operation panel.



- CR Mainte.: Start is displayed on the Operation panel.
- The display enters the CR Maintenance menu.

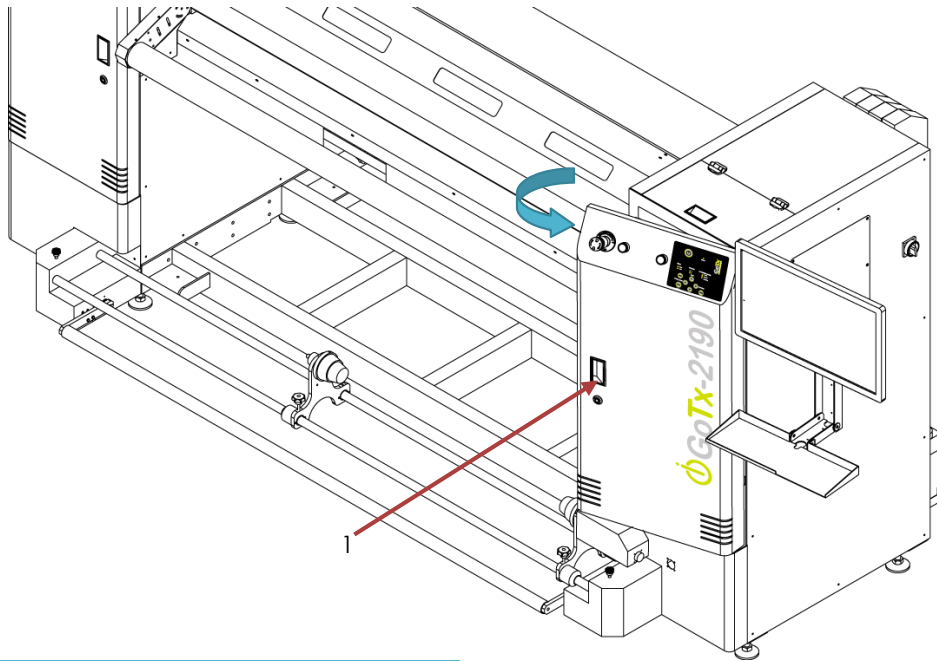
 5.1.17 CR Maintenance menu

3. Press the [Enter] key on Operation panel.



- Maintenance starts.
- Print head moves to the left.
- CR Mainte.: End is displayed on Operation panel.

4. Unlock and open the Maintenance compartment on the right of the printer.



Ref.	Name
1	Maintenance compartment

CAUTION

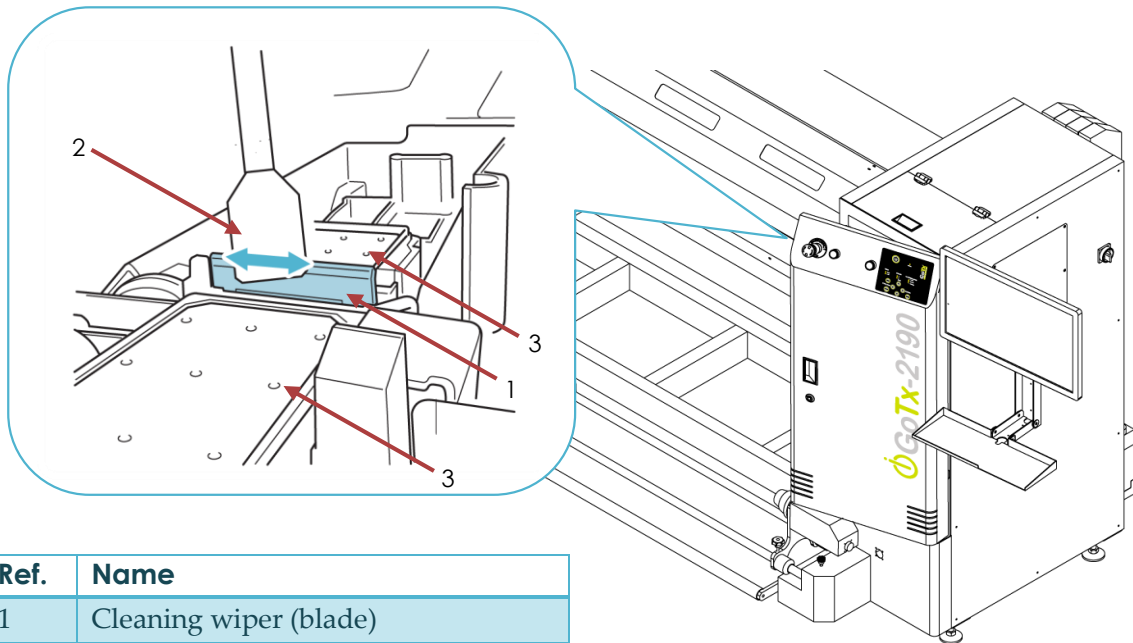
When cleaning the Cleaning wiper:

- Do not touch the cleaning wiper or Head Capping unit with your hands. The oil from your hands may interfere with Head cleaning performance.
- Do not reuse Cleaning sticks (swabs)
Any contaminants remaining on the Cleaning stick may be transferred back to the Cleaning wiper can may cause damage to the Print head.

5. Use cleaning stick to remove ink and dust from the Cleaning wiper.

a. Front side of Cleaning wiper:

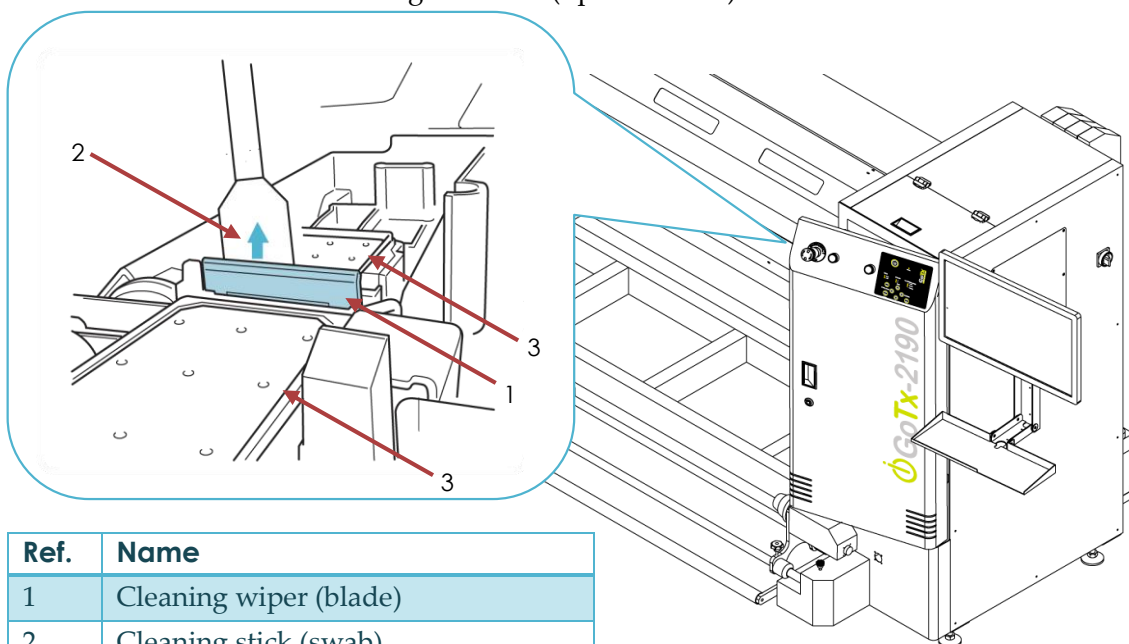
Remove ink and dust using a horizontal (left to right) motion.



Ref.	Name
1	Cleaning wiper (blade)
2	Cleaning stick (swab)
3	Head cap unit

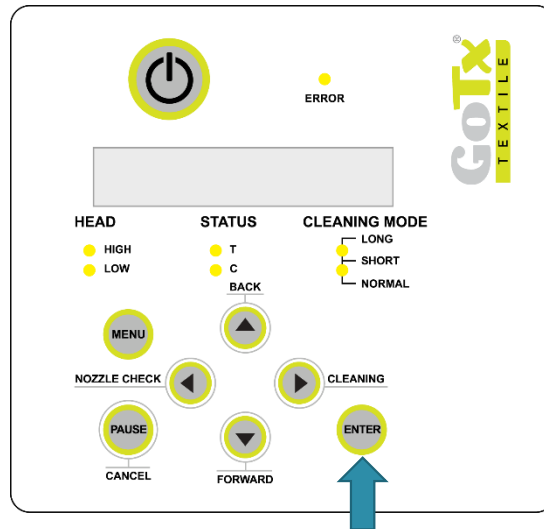
b. Cleaning wiper back side:

Remove ink and dust using a vertical (up and down) motion.



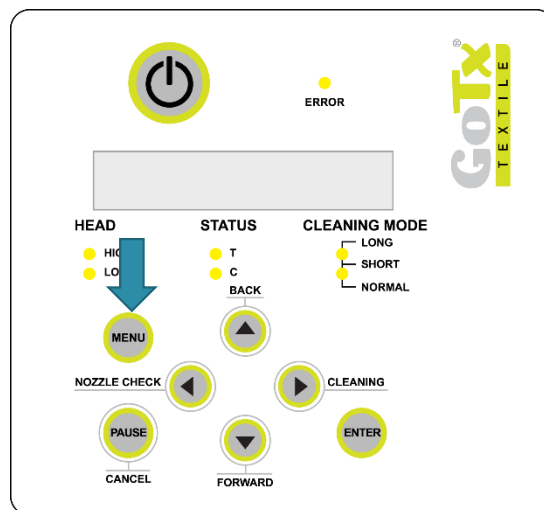
Ref.	Name
1	Cleaning wiper (blade)
2	Cleaning stick (swab)
3	Head cap unit

6. Close and lock the right maintenance compartment door.
7. Press the [Enter] key on Operation panel.



- The Cleaning wiper returns to the original position.
- Print head returns to it's original position.
- CR Mainte.: Start is displayed on Operation panel.

8. Press the [Menu] key on the Operation panel.



- The printer returns to Normal state.
- The cleaning of the Cleaning wiper is complete.

6.2.5 Cleaning the circumference of the Print heads

This section describes how to clean the circumference of the Print head.

1) Frequency

The circumference of the Print heads should be cleaned at the end of each print day as part of the printer shut-down routine, or more frequently if foreign substances such as dust or dried ink that may cause missing dots or ink leakage are attached around the Print head.

2) Method

Follow the procedure below to clean the circumference of the Print heads.



CAUTION

Turn the printer on and then clean around the Print heads.

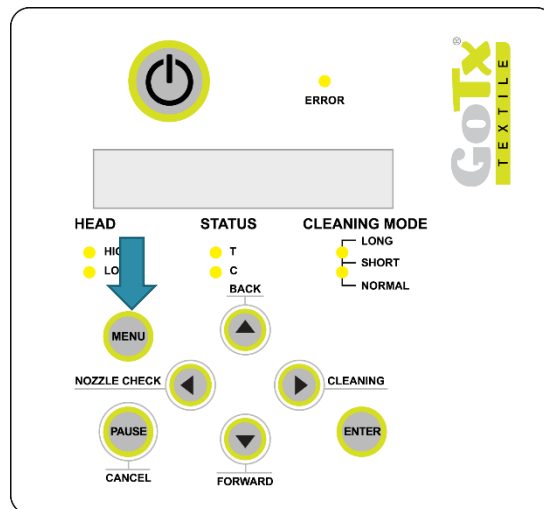


NOTE

- *Before cleaning the circumference of the Print heads, read this procedure thoroughly to fully understand it, then clean promptly and in accordance with this procedure.*
- *The Print heads are not in the capping station (Head cap) during this cleaning procedure. Cleaning must be completed before the Print head dries. This operation should be completed within 15 minutes. If this operation lasts over 15 minutes, follow steps 8 and 9 below and stop the operation, perform a Head cleaning and then resume the cleaning of the circumference of the Print head.*
- *Use a Cleaning stick (swab) to clean the Cleaning wiper. Refer to your local GoTx dealer for cleaning supplies.*

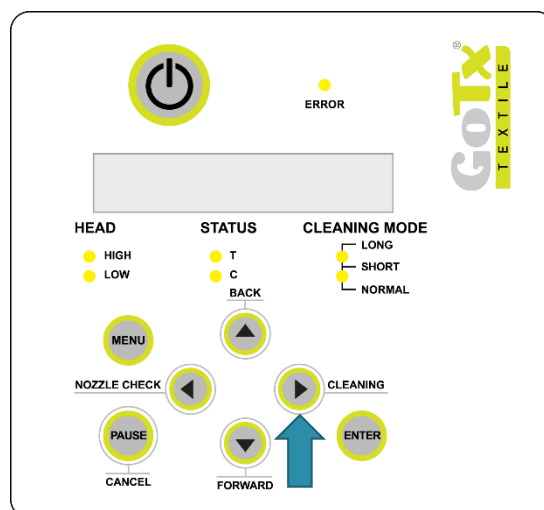
1. Check the following while the printer is turned ON.
 - Printing or other operations are not in progress.
 - Operation panel display is Normal.
2. Display the CR Maintenance menu on Operation panel.

- a. Press the [Menu] key on Operation panel.



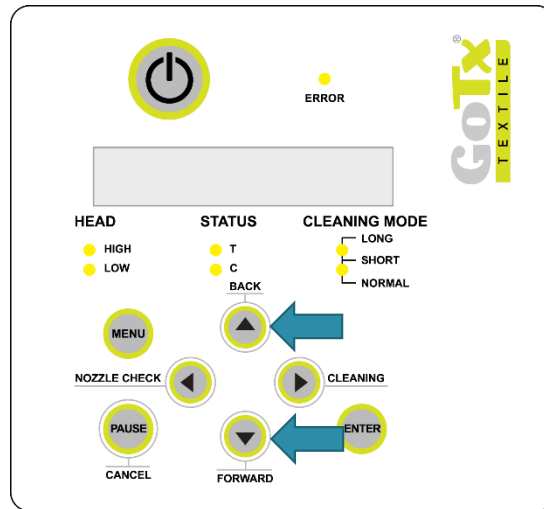
- Menu1: Setup> is displayed on Operation panel.
- Operation panel shifts to the Setup menu display.

- b. Press the [>] key on the Operation panel.

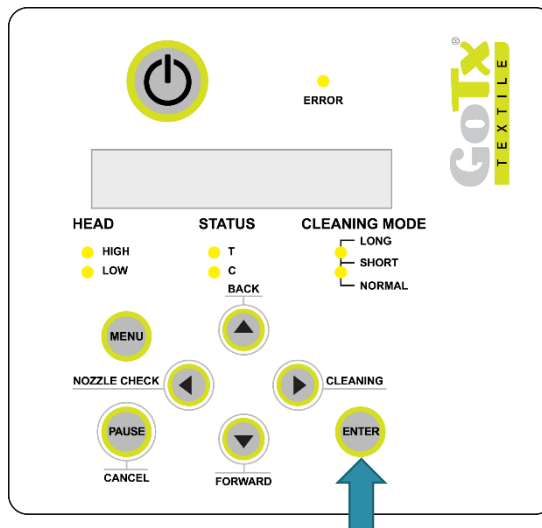


- Set1: User Type is displayed on Operation panel.

- c. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select CR Maintenance.

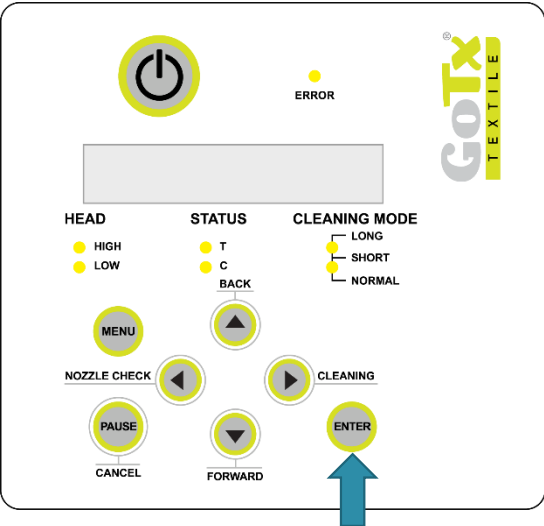


- d. Press the [Enter] key on the Operation panel.

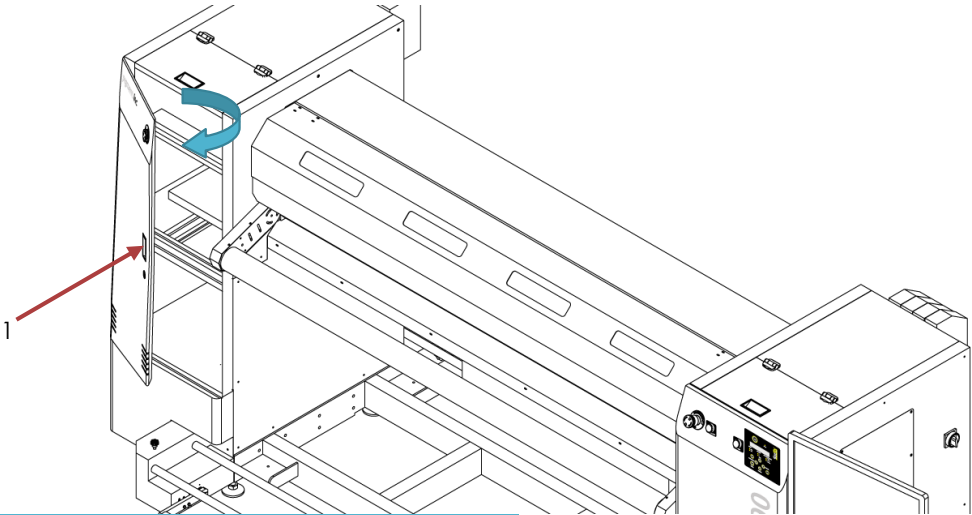


- CR Mainte.: Start is displayed on the Operation panel.
 - The display enters the CR Maintenance menu.
-  5.1.17 CR Maintenance menu

3. Press the [Enter] key on Operation panel.

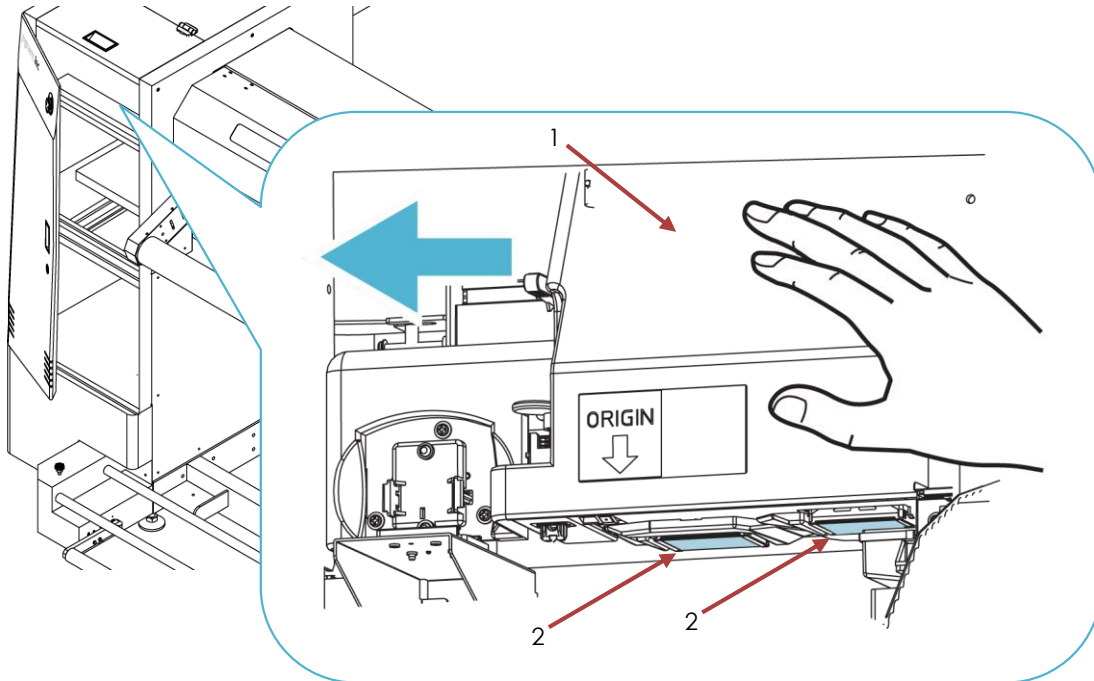


- Maintenance starts.
 - Print head moves to the left.
 - CR Mainte.: End is displayed on Operation panel.
4. Unlock and open the Cleaning station compartment on the left of the printer.



Ref.	Name
1	Cleaning station compartment

5. Move Print head by hand until you can see the Nozzle plates of the Print heads.



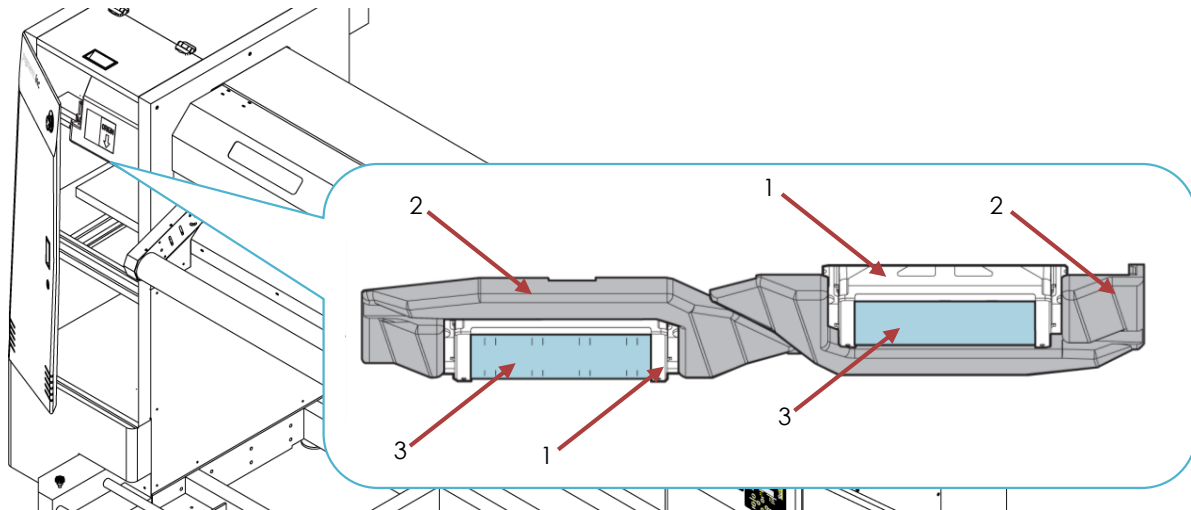
Ref.	Name
1	Print head section
2	Print head Nozzle plates

CAUTION

Do not push the Print head section with strong force. It may cause damage and poor print quality.

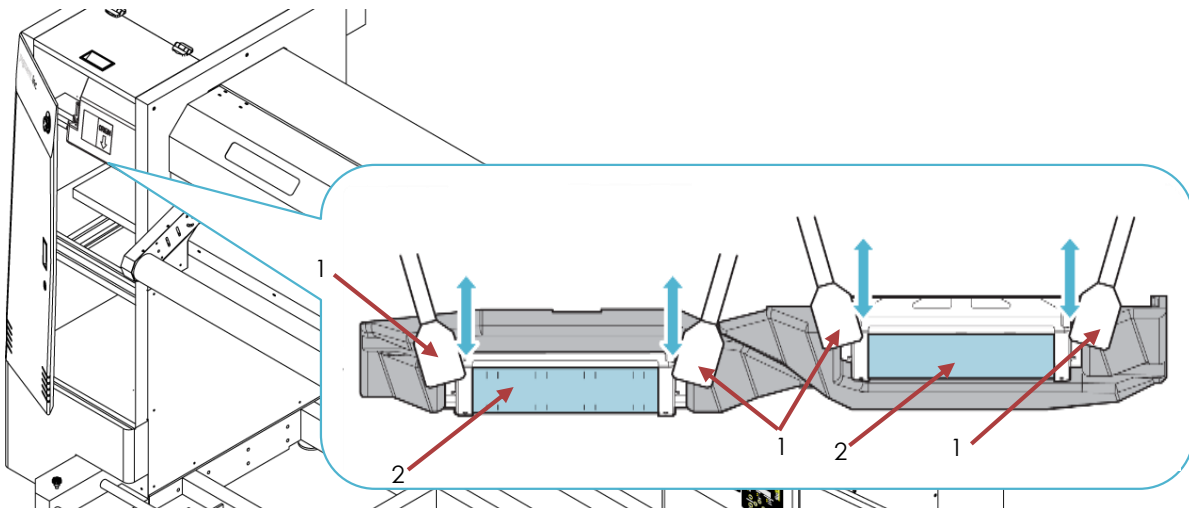
6. Use a penlight, etc. to check if any foreign substances such as dust or dried ink deposits are attached to the following places.

- Circumference of Print head (silver colored metal frame assembly around nozzle plate)
- Head guide (black plastic)



Ref.	Name
1	Circumference of Print head (silver colored metal assembly)
2	Head guide (black plastic)
3	Print head Nozzle plates

7. If any foreign substances are observed in those places, remove them with a cleaning stick.



Ref.	Name
1	Cleaning stick (swab)
2	Print head Nozzle plates (never touch Nozzle plates)

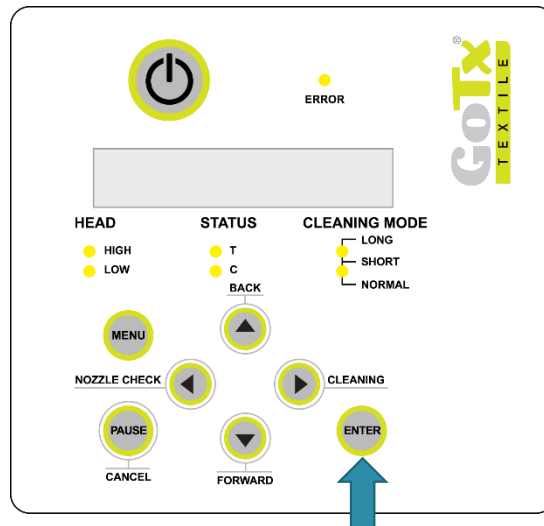
CAUTION

When cleaning around the Print head:

- Never touch the Print head nozzle plated.
Doing so may damage the Print head.
- Do not touch the tip of the Cleaning stick (swab) with your hands.
The Print head may be damaged because of oil from your hands.
- Never use water or other fluids on the tip of the Cleaning stick (swab).
Doing so may damage the Print head.
- Do not reuse Cleaning sticks (swabs)
Any contaminants remaining on the Cleaning stick may cause damage to the Print head.

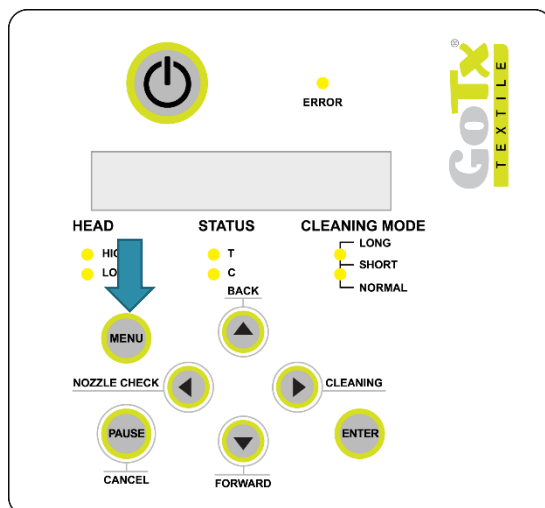
8. Close and lock the left Cleaning station compartment door.

9. Press the [Enter] key on Operation panel.



- Print head returns to it's original position.
- CR Mainte.: Start is displayed on Operation panel.

10. Press the [Menu] key on the Operation panel.



- The printer returns to Normal state.
- The cleaning of the circumference of the Print heads is complete.

6.2.6 Cleaning the Flushing Box Sponge

This section describes how to clean the Flushing-box sponges.

1) Frequency

The Flushing-box sponges should be cleaned at the end of each print day as part of the printer shut-down routine, or more frequently if there is a build up of waste ink on or around the Flushing-box.

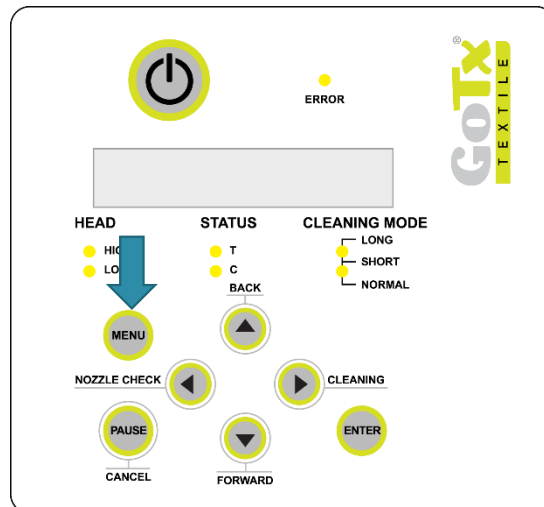
2) Method

Follow the procedure below to clean the Flushing-box sponges.

CAUTION

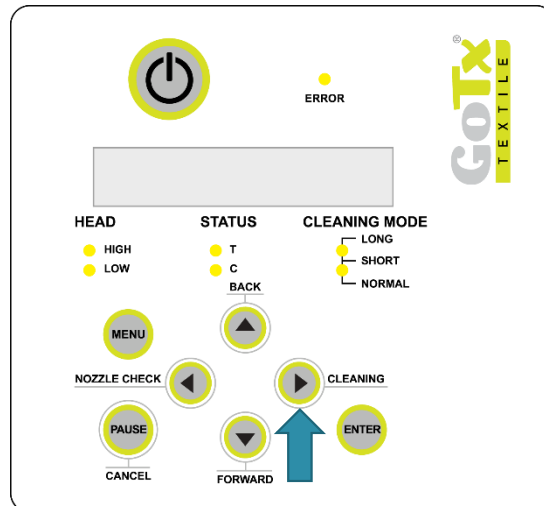
Turn the printer on and then clean the Flushing-box sponges.

1. Check the following while the printer is turned ON.
 - Printing or other operations are not in progress.
 - Operation panel display is Normal.
2. Display the CR Maintenance menu on Operation panel.
 - a. Press the [Menu] key on Operation panel.

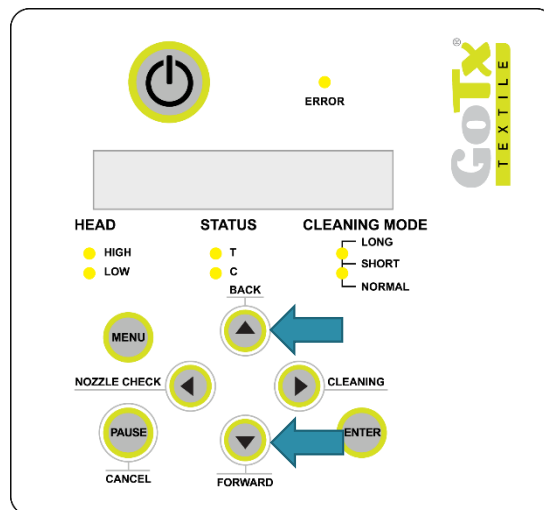


- Menu1: Setup> is displayed on Operation panel.
- Operation panel shifts to the Setup menu display.

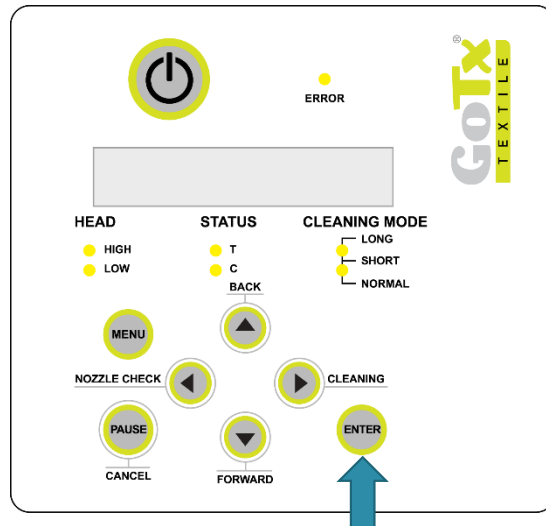
- b. Press the [>] key on the Operation panel.



- Set1: User Type is displayed on Operation panel.
- c. Press the [Up/Back] or [Down/Forward] keys on the Operation panel to scroll through to select CR Maintenance.



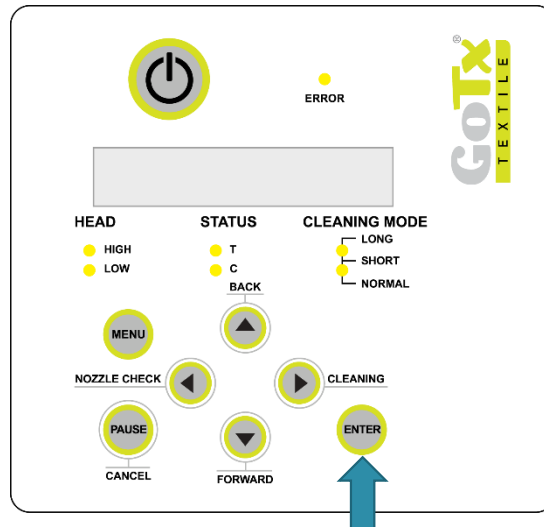
- d. Press the [Enter] key on the Operation panel.



- CR Mainte.: Start is displayed on the Operation panel.
- The display enters the CR Maintenance menu.

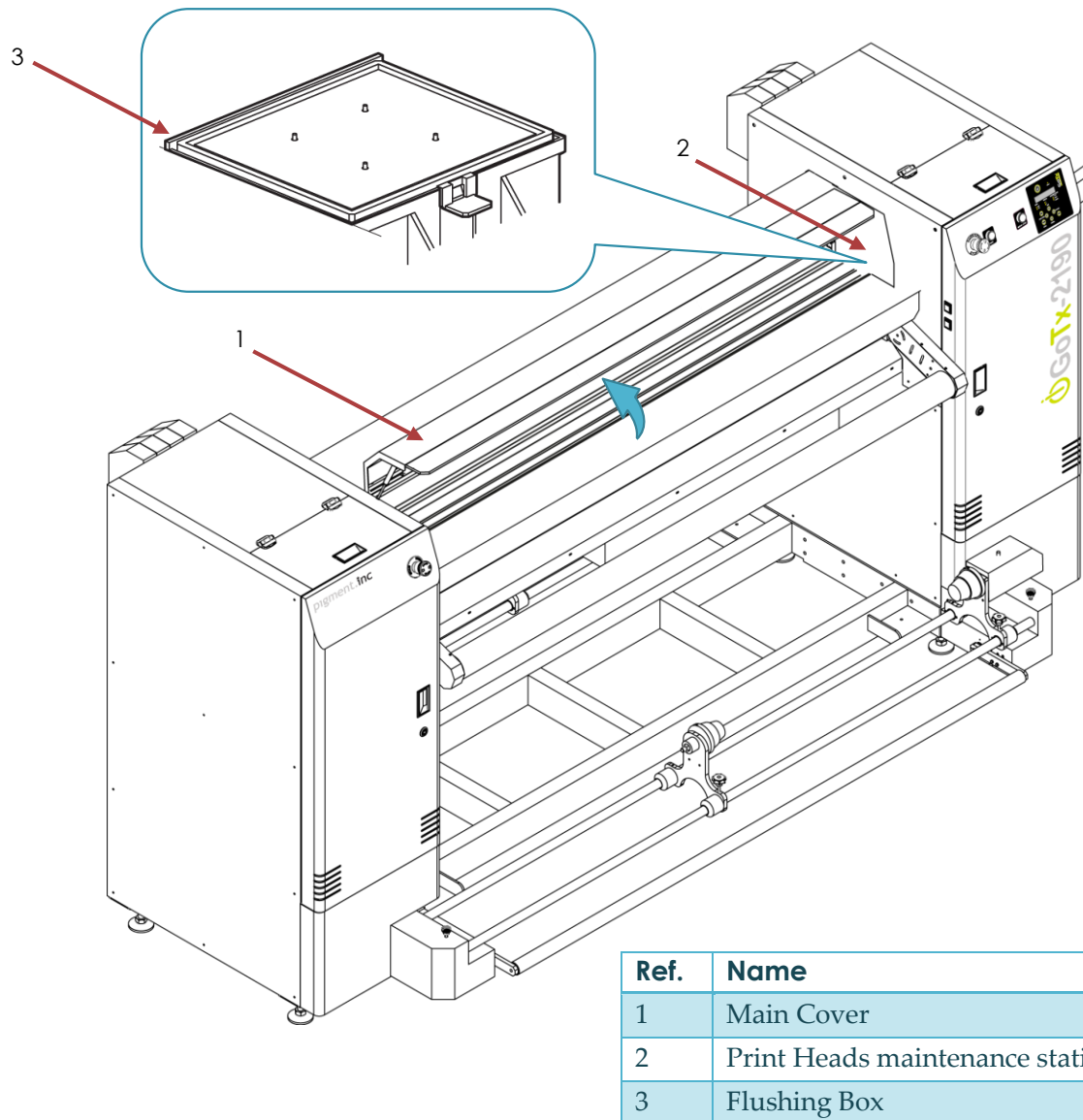
 5.1.17 CR Maintenance menu

3. Press the [Enter] key on Operation panel.



- Maintenance starts.
- Print head moves to the left.
- CR Mainte.: End is displayed on Operation panel.

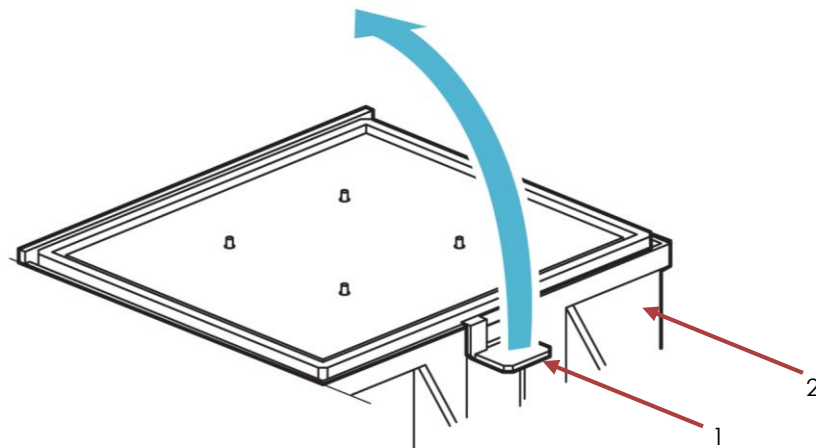
4. Lift the Main cover to the open position, locate the Flushing-box sponges at the Print Heads maintenance station within the Home Position Compartment .



NOTE

- Ensure that the Flushing box sponge is cleaned in a short period of time. Leaving the Print head at the CR maintenance position for too long may result in clogging of the Print heads.

5. Lift the Flushing-box sponge tab and unhook. Then remove the Flushing-box sponge.

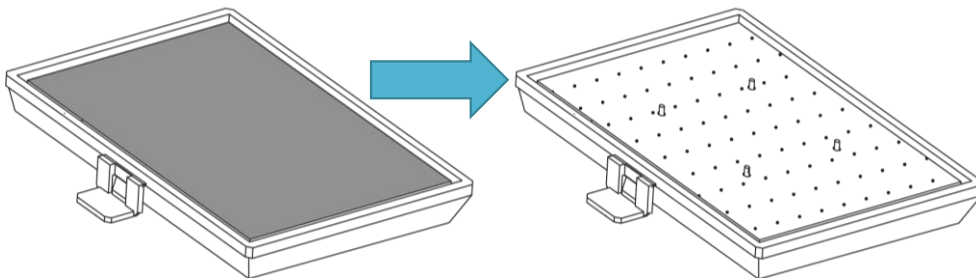


Ref.	Name
1	Flushing-box Sponge tab
2	Flushing Box

CAUTION

- Do not spill waste fluid when removing the Flushing-box sponges. If waste fluid comes into contact with the Roto-trak roller assembly, it may damage it's surface and affect media feeding and / or transfer waste ink to the media.

6. Turn the Flushing box sponge up-side down, and wash / flush under cold running water.

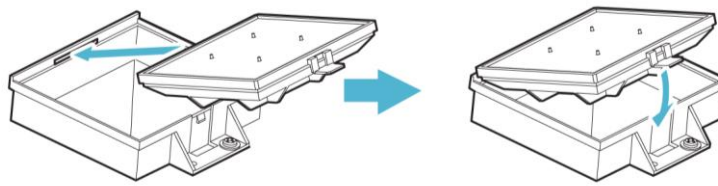


- After cleaning, pinholes of light should be able to be seen through the Flushing-box sponge when it is held up to the light.

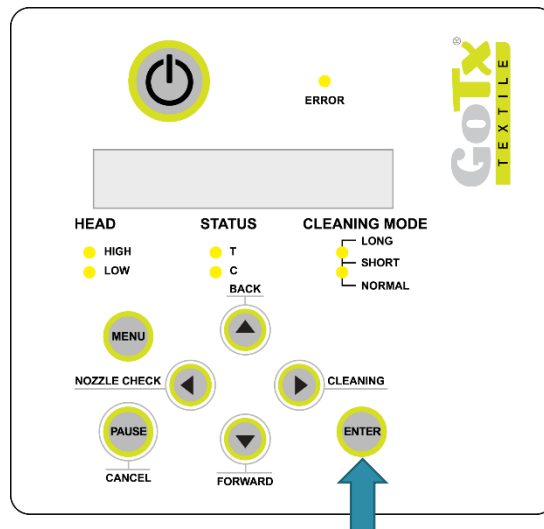
NOTE

- Ensure that the water used to clean the Flushing-box sponge is not warm or hot. Using water that is not cold to clean the Flushing-box sponges can cause the ink in the sponges to set, which will require premature replacement of the Flushing-box sponges.

7. Shake excess water from the Flushing-box sponge.
8. Return the Flushing box sponges to each Flushing box.

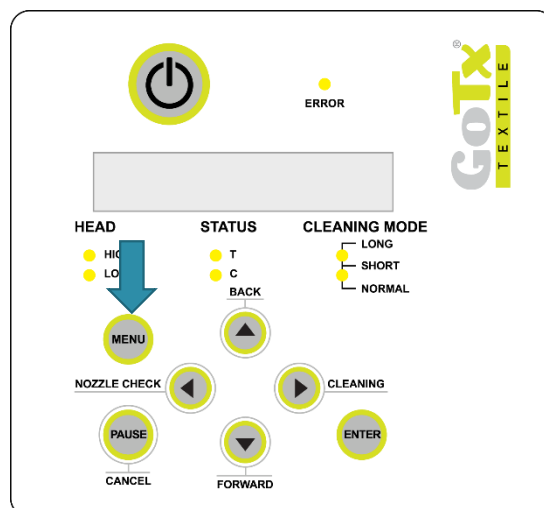


9. Close the main cover to the printer.
10. Press the [Enter] key on Operation panel.



- Print head returns to it's original position.
- CR Mainte.: Start is displayed on Operation panel.

11. Press the [Menu] key on the Operation panel.



- The printer returns to Normal state.
- The Flushing-box sponge cleaning is complete.

6.2 Cleaning the printer

6.3 Disposal of Waste Fluids

The timing and method for the disposal of waste fluids are described below.

1) Disposal timing

Dispose of waste fluid in the following cases:

- When Waste fluid tank is more than half full.
- When Full WasteInkTank is displayed on the Operation panel.

2) Disposal Method

Follow the procedure below to dispose of waste fluid.



WARNING

You are obligated to properly dispose of waste fluid from the printer in compliance with all local ordinances. It is recommended that you engage the services of an industrial waste disposal contractor for this purpose.

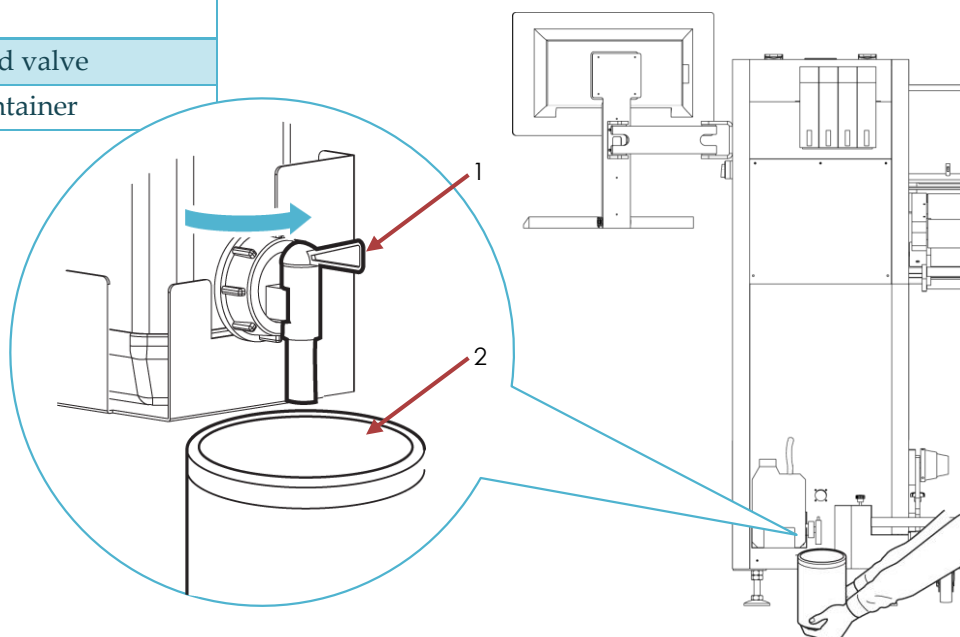
1. Prepare an empty container such as a supply waste fluid bottle to capture the waste fluid.
2. Lay some protective material such as waste media on the floor under and around the Waste fluid tank.
3. Open the waste fluid valve, and transfer the waste fluid to the container prepared in step 1 above.



NOTE

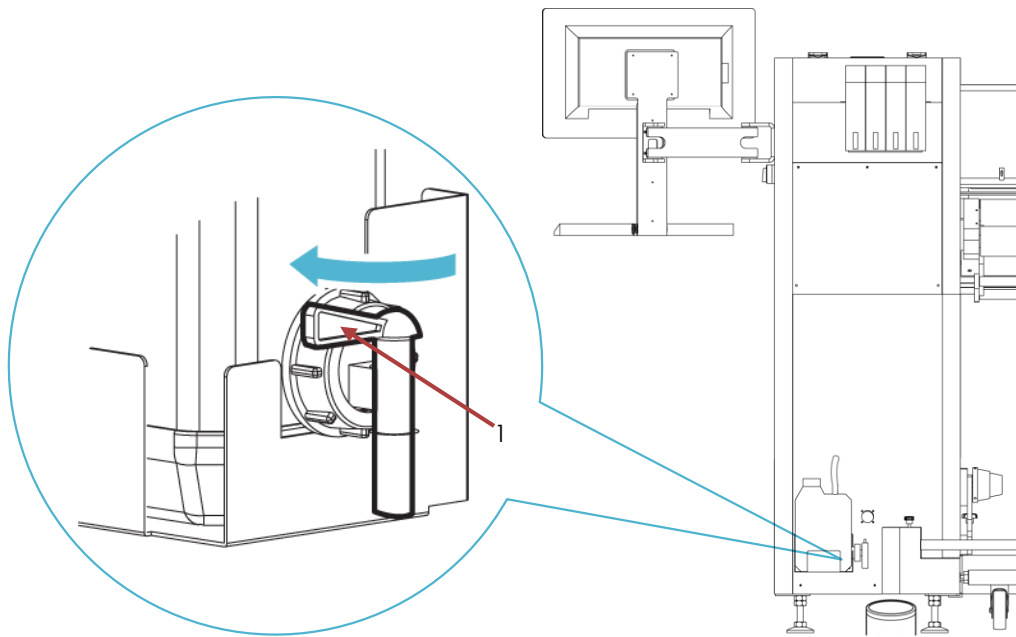
- When transferring the waste fluid to the empty container, the waste fluid may spatter. Ensure that the empty container is positioned close to the waste fluid valve.

Ref.	Name
1	Waste fluid valve
2	Empty container



6.3 Disposal of Waste Fluids

4. After pouring the waste fluid to the empty container, close the waste fluid valve securely.



Ref.	Name
1	Waste fluid valve

5. Wipe the opening of the Waste fluid valve with a cloth to clear any drips of waste fluid.
6. Dispose of the waste fluid as an industrial waste product.
 - Disposal of waste fluids is complete.

6.4 Moving or Transporting the Printer.

This section describes how to move or transport the printer.

6.4.1 Moving the printer

This section describes how to move the printer:

CAUTION

- When moving the printer, make sure to maintain a horizontal position
- Do not slant the printer or lean it against a wall or lay it down.
The ink inside the printer may leak.
Moreover, normal operation after shifting to these positions cannot be guaranteed.

1) Preparation before moving

1. Make sure that the printer is turned OFF.

 3.6.2 Turning the power OFF

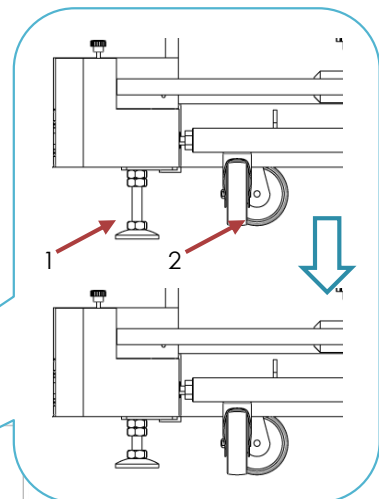
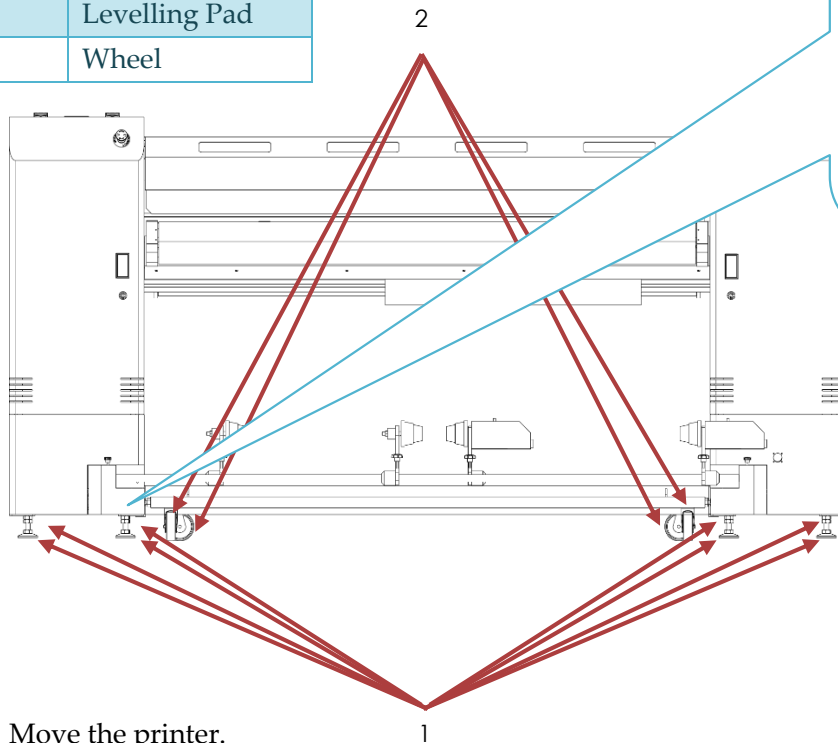
2. Dispose of waste fluid.

 6.3 Disposal of Waste Fluids

3. Remove all the cables, such as Power cord set.

4. Raise the 8 x levelling pads so that the printer will roll on the wheels.

Ref.	Name
1	Levelling Pad
2	Wheel



5. Move the printer.

2) Reinstalling

After moving the printer, follow the procedure below to set it ready for use.

1. Select a suitable place for installation.
 3.3.1 Choosing a place for the Printer
2. Move and install the printer to the location.
3. Attach Cables, such as Power cord set.
 3.5.1 Connecting the Power Cord Set
 3.11 Connecting the printer to PC
4. Perform Nozzle check, and then confirm that there is no clogging in Print head.
 3.9.2 Nozzle Check
5. Perform Alignment.
 3.10 Print Quality Adjustment

6.4.2 Transporting the printer

When transporting the printer, make sure to pack it in the same condition as when purchased, using protective and packing materials to protect the printer from vibration and shocks.



NOTE

- *Consult your GoTx dealer before transporting your GoTx 2190/2260.*
-

7. TROUBLESHOOTING

This chapter describes possible errors or problems and the necessary countermeasures for the Gotx 2190 / 2260.

If an error occurs that is not included in this section, contact your local GoTx dealer.

7.1 Malfunctions and Failures

This section describes malfunctions and failures of the printer that will not display an error message, their possible causes and countermeasures.

7.1.1 Problems in installation and setup

1) Cannot perform the initial ink charge

No.	Possible cause	Remedy	Reference
1	Is the Media Load indicator lamp illuminated?	Press the Media Load button	 3.8 Loading Media
2	Are all 8 Ink cartridges fully inserted?	Fully insert all 8 Ink cartridges.	 6.1.1 Replacing Ink cartridges (or Ink packs)

2) Ink does not come out after the initial ink charge

No.	Possible cause	Remedy	Reference
1	Is Ink cartridge cold and / or frozen?	Leave Ink bag at room temperature for at least three hours, and perform cleaning several times.	 6.2.3 Head cleaning
2	Has the power been turned OFF during the initial ink charge?	Turn the power ON again and continue the initial ink charge.	 3.7 Filling Ink
3	Occasionally, normal printing cannot be performed after the initial ink charge.	Perform cleaning several times, and check it every time.	 6.2.3 Head cleaning

7.1.2 Cannot print at all

1) Does not work at all after power activation

No.	Possible cause	Remedy	Reference
1	Is Power cord set connected to the plug?	Connect Power cord set.	 3.5.1 Connecting the Power Cord Set
2	Does the AC power supply provide the specified voltage?	Connect the cable to another outlet.	 3.5.1 Connecting the Power Cord Set
3	Is the Media Load indicator lamp illuminated?	Press the Media Load button	 3.8 Loading Media

2) Does not work after loading the media

No.	Possible cause	Remedy	Reference
1	Is the Media Load indicator lamp illuminated?	Press the Media Load button	 3.8 Loading Media
2	Is the media loaded at an angle?	Load the media straight.	 3.8 Loading Media
3	Is Ink cartridge inserted?	Insert Ink cartridge.	 6.1.1 Replacing Ink cartridges (or Ink packs)
4	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
5	Is the printer being used in an environment other than the one specified, such as in direct sunlight?	Only use the printer in an environment that is specified for use.	 3.3.1 Choosing a place for the Printer

3) When data is sent from the computer, an error occurs at the printer and nothing is printed

No.	Possible cause	Remedy	Reference
1	Is the type of printer selected correctly at the computer?	Check that the printer type settings on the computer side and printer side are the same.	 3.11 Connecting the printer to PC
2	Are the interface requirements and command mode the same on the computer side and printer side?		

4) Cannot use the computer online using LAN

No.	Possible cause	Remedy	Reference
1	Is Network interface cable connected correctly?	Confirm the types of the cross and straight cables, and connect Network interface cable correctly.	 3.11 Connecting the printer to PC
2	Are the network settings configured correctly?	Configure the network settings correctly.	 5.1.20 IP Address menu to 5.1.22 Gateway menu
3	Do the printer's network settings match the computer's settings?	Match this product's network settings with the computer side environment.	 3.11.1 System requirements
4	Does Power lamp on Operation panel blink after sending printing data from the computer?	If Power lamp does not blink, contact the computer manufacturer.	—

7.1.3 Media-related troubleshooting

1) The media slips or is wrinkled during initialization

No.	Possible cause	Remedy	Reference
1	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
2	Is the loading position of the media correct?	Load the media correctly.	 3.8.2 Setting Roll Media
3	Is the roll media loaded correctly?	Load the roll media correctly.	 3.8.1 Loading roll media
4	Are there any foreign materials such as fabric threads etc attached to the Roto-trak rollers?	Clean the Roto-trak rollers.	 6.2.2 Cleaning the inside of the printer
5	Is the printer being used in an environment other than the one specified, such as in direct sunlight?	Only use the printer in an environment that is specified for use.	 3.3.1 Choosing a place for the Printer
6	Are you using creased, damaged or curled media?	Replace the media.	 4.2.2 Cautions on Handling Media

2) The wrong media size is set during initialization

No.	Possible cause	Remedy	Reference
1	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
2	Is the media loaded at an angle?	Set the media straight.	 3.8.2 Setting Roll Media
3	Is the printer used in an environment other than the one specified, such as near an air conditioner?	Only use the printer in an environment that is specified for use.	 3.8.1 Loading roll media
4	Are you using media that has been printed on already?	Use a new media.	 4.2.1 Media Type
5	Is the media very fine, or otherwise difficult for the printer to detect during initialization?	Disable auto – media width detection.	 5.1.4 Media Initial menu  5.1.5 Media Width menu

3) The media veers during printing

No.	Possible cause	Remedy	Reference
1	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
2	Is the loading position of the media correct?	Load the media correctly.	 3.8.2 Setting Roll Media
3	Is the roll media loaded correctly?	Load the roll media correctly.	 3.8.1 Loading roll media

7.1.4 Printing-related troubleshooting

1) Printing is bleeding or incomplete



NOTE

- Proper print quality may not be obtained with media other than that recommended by your GoTx dealer.

No.	Possible cause	Remedy	Reference
1	Does the media have a high moisture content?	Replace it with new media.	 6.1.2 Replacing Roll Media
2	Are you using creased or wrinkled media?		

2) The printing position is incorrect (some parts of the media cannot be printed on)

No.	Possible cause	Remedy	Reference
1	Are the settings in the computer RIP correct	Review and correct computer RIP settings	
2	Is the loading position of the media correct?	Load the media correctly.	 3.8.2 Setting Roll Media
3	Did you override the origin and print position?	Cancel or reset the settings of the origin and print position.	 5.1.8 Origin menu

3) Printing is blurred

No.	Possible cause	Remedy	Reference
1	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
2	Are you using the thick or thin media?	Use the recommended media.	 4.2.1 Media Type
3	Is the media printed on the printing surface?	Confirm the printing surface of the media and set it correctly.	 3.8.1 Loading roll media
4	Did you perform Micro adjust print?	Perform Adjust print.	 3.10 Print Quality Adjustment
5	Did you perform Media feed compensation?	Perform Media feed compensation.	 4.2.6 Media Feed compensation
6	Is the head height set to "High" or "Mid"?	Return the head height to "Low".	 0 Head Height Adjustment

4) White or black lines appear in printed media

No.	Possible cause	Remedy	Reference
1	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
2	Is the roll media loaded correctly?	Load the roll media correctly.	 3.8 Loading Media
3	Are Nozzles in good condition?	Perform Head cleaning.	 6.2.3 Head cleaning
4	Did you perform Micro adjust print?	Perform Adjust print.	 3.10 Print Quality Adjustment
5	Did you perform Media feed compensation?	Perform Media feed compensation.	 4.2.6 Media Feed compensation
6	Is the head height set to "High" or "Mid"?	Return the head height to "Low".	 0 Head Height Adjustment

5) Printed lines are not smooth / straight

No.	Possible cause	Remedy	Reference
1	Is Ink pack / cartridge within the validity period?	Use a new Ink pack / cartridge.	 6.1.1 Replacing Ink cartridges (or Ink packs)
2	Are you using the recommended media?	Use the recommended media.	 4.2.1 Media Type
3	Did you perform Micro adjust print?	Perform Adjust print.	 3.10 Print Quality Adjustment
4	Did you perform Media feed compensation?	Perform Media feed compensation.	 4.2.6 Media Feed compensation

6) Printed lines are doubled or patchy

No.	Possible cause	Remedy	Reference
1	Are Nozzles in good condition?	Perform Head cleaning.	 6.2.3 Head cleaning
2	Is the head height set to "High" or "Mid"?	Return the head height to "Low".	 0 Head Height Adjustment

7.2 Error Messages

This section describes messages displayed during normal printer operation or when errors occur, and solutions to the messages.

7.2.1 Status Messages

This section describes messages displayed during printer normal operation.

When the printer is operating correctly, each operation status is displayed on Operation panel as below.

No.	Display	Description	Reference
1	Ready to Print	Standby (Media Load button is pressed, Media Load Indicator lamp is illuminated).	—
2	Media End	Standby (Media Load button is not pressed, Media Load Indicator lamp is not illuminated).	 3.8 Loading Media
3	Receiving	Receiving data.	—
4	Analyzing data	Analyzing data.	—
5	Printing	Under printing.	—
6	PrintRestart → ENTER	Pausing printing. Press the [Enter] key.	 4.4.4 Pausing printing
7	Warning Up	Warming up Heater. (VJ-2638X/1638X)	—
8	Cleaning **%	Cleaning the head. Please wait a while.	 6.2.3 Head cleaning
9	Ink Refill **%	Filling the ink. Please wait a while.	 3.7 Filling Ink
10	SubTank Refill	Filling the subtank. Please wait a while.	 3.7 Filling Ink
11	Moving Origin Pos.	Print head is moving to the original printing position in the Origin menu. Please wait a while.	 5.1.8 Origin menu
12	Confirm Position - > Enter	Print head is moving to the original printing position in the Origin menu. Press the [Enter] key.	 5.1.8 Origin menu
13	During Washing	Cleaning Head. Please wait a while.	
14	Remove Cartridges	Perform head cleaning. Remove Cartridge.	
15	** Initializing **	Initializing the setting in the Initialization menu. Please wait a while.	 5.1.18 Initialization menu

No.	Display	Description	Reference
16	** Copying **	Copying the setting value. Please wait a while.	 5.1.1.1.6 UserCopy menu
17	Power Off	Turning the printer off. Please wait a while. Do not unplug Power cord set till Operation panel is turned off.	 3.6.2 Turning the power OFF
18	Insert CleaningCart.	Washing Print head. Install Cleaning cartridge.	 3.7 Filling Ink
19	Insert InkCartridges	Filling the ink. Insert Ink cartridge.	 3.7 Filling Ink
20	User: Type ** OK?	Initializing the media. Please wait a while. (** represents the set User type.)	 3.8.3 Setting the User Type Setting
21	Media Initial		
22	Life Times [Head*]	The operational life of Print head has almost expired. (Continues operation)	Contact your local GOTX dealer.
23	Life Times [Pump]	The operational life of the pump motor is almost expired. (Continues operation)	Contact your local GOTX dealer.
24	Life Times [CR Motor]	The life CR motor is almost expired. (Continues operation)	Contact your local GOTX dealer.
25	Life Times [PF Motor]	The operational life of PF motor is almost expired. (Continues operation)	Contact your local GOTX dealer.
26	[*****] Change Plug	Time to replace Connector rubber of High- capacity ink pack adapter.	Replace Connector rubber.
27	Roll Remain Error	The remaining roll paper count has become 0. Printing stops.	 5.1.15.2 Print Stop menu
28	Roll Near End: *n	The remaining roll paper count is almost 0. The remaining roll paper is *m.	 5.1.15.3 Near End menu

NOTE

- [*****] in the error message indicates the target ink cartridge slot.
- [*] in the roll near end display indicates the remaining length of the roll paper.

7.2.2 Message type error display and remedies

This section describes message type errors and remedies.

Message type errors are displayed when certain failures occur during printer operation.

If a message type error occurs, the printer may display the following error messages on Operation panel and stop operation.

If the printer stops operating, solve the error so that the printer restarts.

No.	Display	Description	Remedy	Reference
1	Cover Open	Non-GoTx error	Contact your local GOTX dealer.	
2	Mainte.CoverL Open	Non-GoTx error	Contact your local GOTX dealer.	
3	Mainte.CoverR Open	Non-GoTx error	Contact your local GOTX dealer.	
4	Lower the lever	Non-GoTx error	Contact your local GOTX dealer.	
5	Lever Up	Media Load button is not pressed, Media Load Indicator lamp is not illuminated.	Load the media / press the Media Load button.	 3.8 Loading Media
6	Undefined Media	Media detection has failed. (Stops operation)	Reload the media. Turn off Media detection upon initialization.	 3.8 Loading Media  5.1.4 Media Initial menu
7	Media Slant	Media is fed obliquely. (Stops operation)	Reload the media.	 3.8 Loading Media
8	Media Out Error	Incorrect Output Mode set	Set output mode to Take-up	 5.1.6 Output Mode menu
9	End Of Roll	Roll media has run out. (Stops operation)	Load a new roll media.	 6.1.2 Replacing Roll Media
11	[*****] Ink Low	The remaining amount of ink is low. (Continues operation)	Replace with a new Ink pack / Ink cartridge	 6.1.1 Replacing Ink cartridges (or Ink packs)
12	[*****] Ink End	Ink has run out. (Stops operation)	Replace with a new Ink pack / Ink cartridge	 6.1.1 Replacing Ink cartridges (or Ink packs)
13	[*****] Check Ink	Ink cartridges/Ink packs cannot be recognized correctly.	Insert Ink cartridge/Ink pack adapter again. Contact your local GoTx dealer.	 6.1.1 Replacing Ink cartridges (or Ink packs)
14	[*****] S/C ReadErr	Non-GoTx error	Contact your local GOTX dealer.	

No.	Display	Description	Remedy	Reference
15	[*****] S/C Col.Err	Non-GoTx error	Contact your local GOTX dealer.	
16	[*] S/C Ink Err	Non-GoTx error	Contact your local GOTX dealer.	
17	[*] S/C CodeErr	Non-GoTx error	Contact your local GOTX dealer.	
18	[*] Broken Chip	Non-GoTx error	Contact your local GOTX dealer.	
19	Full WasteInkTank	Waste fluid tank is full. (Stops operation)	Dispose of waste fluid.	 6.3 Disposal of Waste Fluids

7.2.3 Error requiring restart

This section describes errors requiring restart and remedies.

An error requiring restart is displayed if a fatal operational failure such as the following occurs.

- Then an obstacle that prevents printing occurs
- When a problem occurs with the electrical circuit (PCB, motor, sensor, etc.) of the printer
- When a failure in the printer control program occurs

If an error requiring restart occurs, the printer stops operating after performing the following operations.

1. The drive power automatically shuts down.
2. All Lamps on Operation panel blink, and the buzzer rings continuously.
3. The error message is displayed on Operation panel.

Pressing any key on Operation panel stops the beeping.

For an error requiring restart, operation will return to normal after removing the cause of the error and restarting the printer.

If the same error continues to be displayed, contact your local GoTx dealer. Be sure to tell us the code no. of the error message when you contact us.

No.	Display	Description	Remedy	Reference
1	E*** Error []	A problem that does not have a remedy has occurred.	1. Remove obstacles such as thread scraps in the drive system. 2. Confirm that the replaced items are correctly attached. 3. Turn OFF the printer and turn it ON again after 10 seconds or longer.	6.1 Replacing Consumable components

NOTE

- **E***** in the error message is the code no. that indicates what type of error occurred.
- The command code representing the error that has occurred may be indicated in [].
- For the settings on your PC side, refer to the Operating Manual supplied with your PC.

8. APPENDIX

This chapter describes specifications and included components with this printer.

8.1 Product specifications

8.1.1 Printer specifications

Items		Specification
Model name		GoTx-2190 / GoTx-2260
Printing method		On-demand piezo drive system
Drive system		Firmware servo/DC motor drive
Media feed system		Roto-trak Roller system
Media feed/ejection		Rear feed/Front ejection
Roll media outer diameter		300mm or less
Roll media weight		40kg or less
Maximum media width		GoTx-2190 – 1910mm / GoTx – 2625mm
Minimum media width		900 mm
Maximum media thickness		0.3 mm (when the head height is Low)/1.3 mm (when the head height is Mid)/ 2.8 mm (when the head height is High)
Maximum printable media width		GoTx-2190 – 1900mm / GoTx – 2615mm
Print margin		Top: 5 mm (15 mm after media initialization or after winding the media manually, 40 mm when media initialization front edge detection is ON), Bottom: 5 mm (102 mm at the roll media end), Left: 5 mm to 25 mm, Right: 5 mm to 25 mm.
Head height adjustment		Three-level adjustment of Low, Mid, and High
CPU		64-bit RISC CPU
Memory		384MB
Command		MH-RTL (RTL-PASS)
Interface		Ethernet (10/100/1000BASE-T)
Ink	Supply system	Supplied through tubes from independent color cartridges
	Cartridges	220ml ± 5ml each or 440ml ± 5ml (1000ml ± 5ml when the High-capacity ink pack adapter is used)
Environmental condition	Operating condition	Temperature: 20°C to 32°C Humidity: 40 % to 60 %, No condensation
	Printing accuracy coverage	Temperature: 22°C to 30°C Humidity: 40 % to 60 %, No condensation
	Change rate	Temperature: within 2°C per hour Humidity: within 5 % per hour
	Archiving condition (Ink not filled)	Temperature: –20°C to 60°C Humidity: 20% to 80%, No condensation Storage life: six months
	Storage condition (Ink filled)	Temperature: –10°C to 40°C Humidity: 20% to 80%, No condensation Storage life: four days (32°C or higher)
Power	Power voltage	AC 90 V to AC 132 V / AC 198 V to AC 264 V
	Frequency	50 Hz/60 Hz ± 1 Hz

8.1 Product specifications

Items		Specification
Power consumption	Printing	200W
	Standby	40W
	Sleep Mode	24W
Outer dimensions	Height	1420mm
	Width	GoTx 2190: 3400mm GoTx 2260: 4100mm
	Depth	1370 mm
Weight		GoTx 2190 GoTx 2260

8.2 Interface specification

This section describes each type of interface specifications supported by this printer.

8.2.1 Network interface specification

Items	Specification
Network type	Ethernet IEEE802.3
Network I/F	10BASE-T/100BASE-TX/1000BASE-T Automatic transfer type (RJ-45 Connector twisted pair cable) MDI/MDI-X Automatic transfer
Corresponding protocol	TCP/IP

8.3 Options / Supply list

For more information about the options and the supply items, contact your local GoTx dealer.

