

User Manual

Miro 36 Pro



BEFORE YOU BEGIN

Safety Instructions

Thank you for purchasing this product.

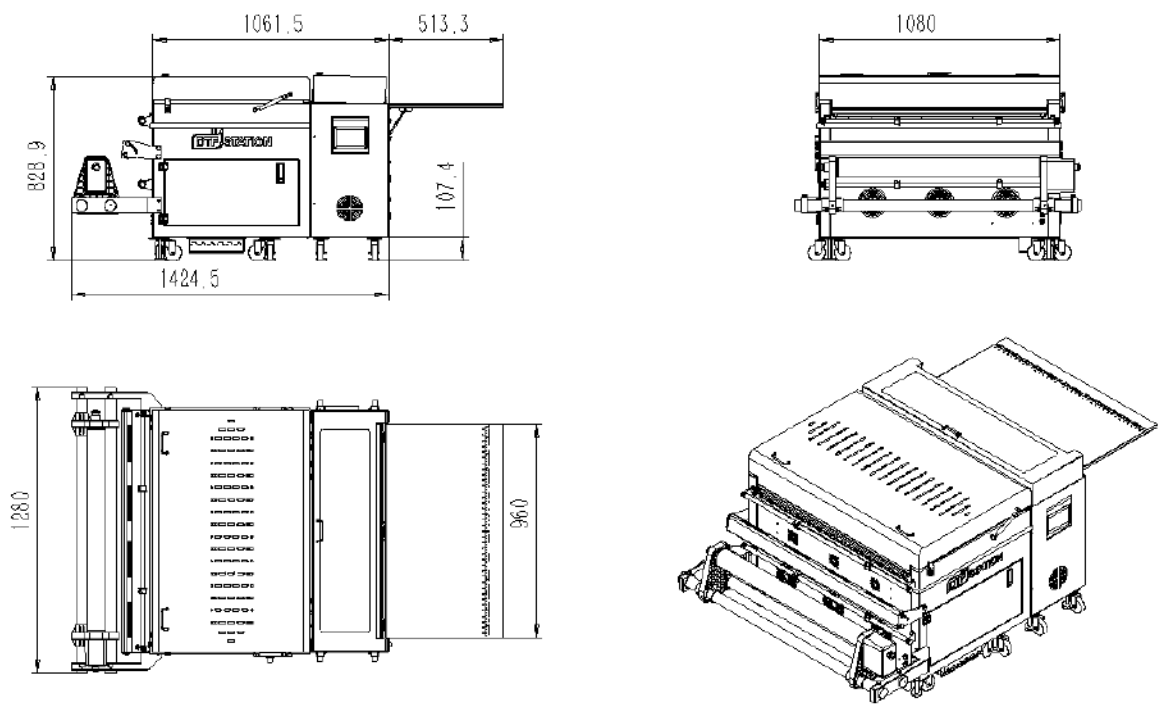
When using your powder shaker, basic precautions should always be followed, including the following:

1. Read all instructions before operating.
2. Use the powder shaker only for its intended purpose.
3. To reduce the risk of electric shock, do not expose the machine to rain or moisture. Do not immerse the machine or any electrical components in water or other liquids.
4. Never pull the cord to disconnect from the outlet; instead, grasp the plug and pull it to disconnect. The manufacturer shall not be liable for any direct or indirect loss or damage arising from the use of this product, regardless of any performance failure of this product.
5. Do not operate the powder shaker with a damaged cord, or if the equipment has been dropped or damaged. To reduce the risk of electric shock, do not disassemble or attempt to repair the machine. Take it to a qualified service person for examination and repair. Incorrect assembly or repair could increase the risk of fire, electric shock, or injury to persons.
6. This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
7. Close supervision is necessary when the powder shaker is used by or near children. Do not leave the equipment unattended while it is connected to power.
8. To reduce the likelihood of circuit overload, do not operate other high-power appliances on the same circuit. It is highly recommended to use a dedicated circuit for this machine.
9. If an extension cord is necessary, a cord with a minimum rating of 30 Amperes (for 110V models) or 15 Amperes (for 220V models) must be used. Cords rated for less amperage may overheat. Arrange the cord so that it cannot be pulled or tripped over.

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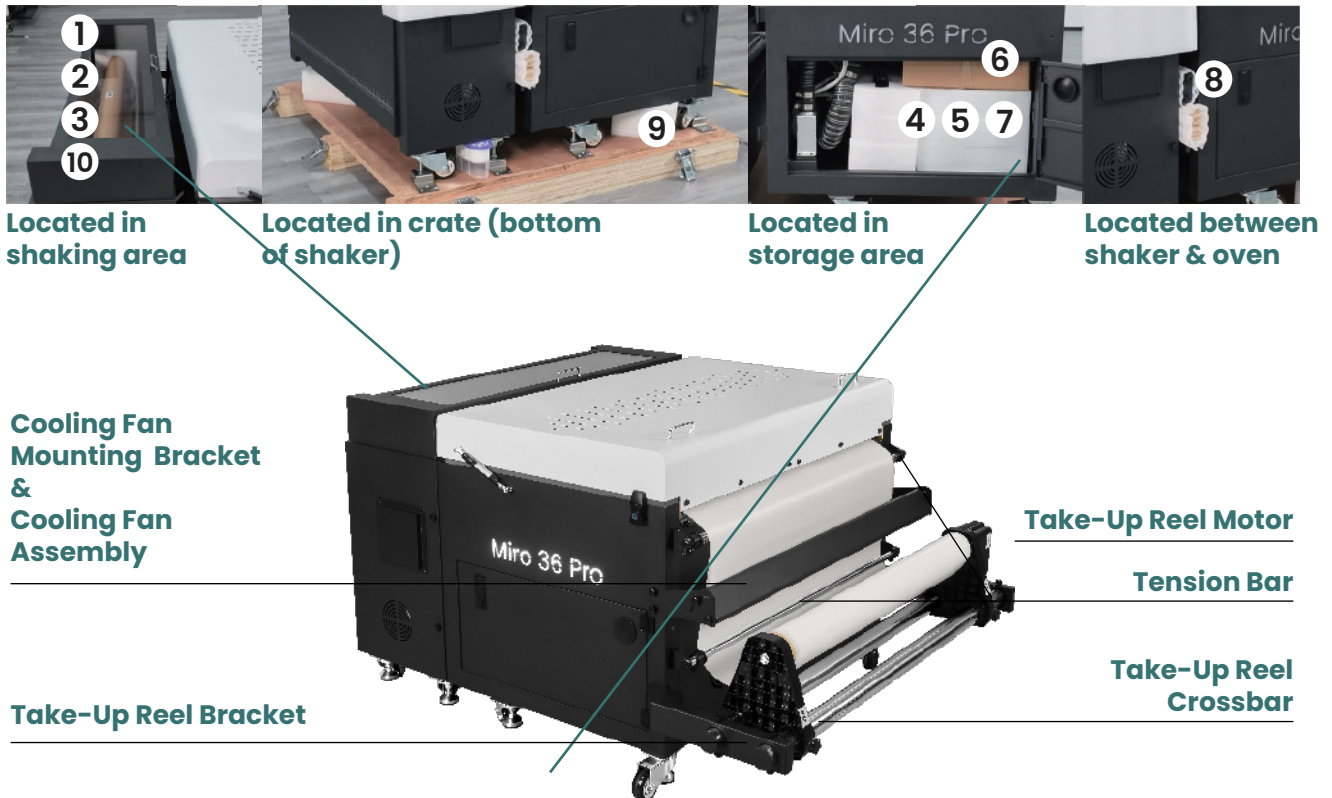
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1. Technical Parameters



ITEM	SPECIFICATION
Max Film Width	90cm (36")
Max Curing Speed	Up tp 22 m ² /h (236.8 ft ² /h)
Max Powder Load	0.855 kg (1.76 lb)
Certificate	CE, FCC
Weight	226.5 kg (499.35lb)
Dimension	193.9 × 110.1 × 82.3 cm (76.37" × 43.3" × 32.4")
Power Requirement	3.1KW / 28A / 110V 3.1KW / 14A / 220V

2. Installation Guide

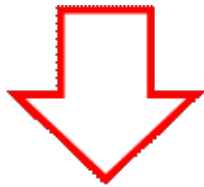
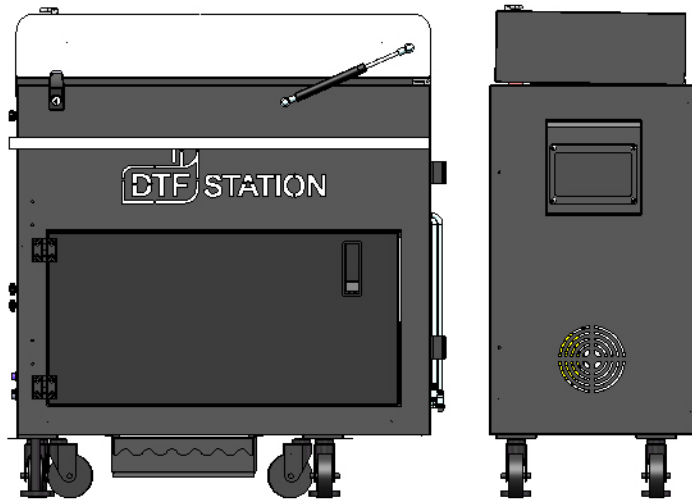


No.	Parts List
1	Take-Up Reel Bracket x2
2	Color Prime Glide Pro - 90cm*50m/Roll x1 or Color Prime Glide Pro - 80cm*50m/Roll x1
3	Paper Core 920mm x1 Heating Bulb / Quartz Lamb (w/ 2 clips) x2
4	Take-Up Reel Motor x1
5	Media Wheel x3 Clamp x2 Brush x1 Key x2
6	Pleated Activated Carbon Filter 300*300*50 x1 Cold Catalyst Filter 300*300*50 x1
7	Cooling Fan Mounting Bracket x2 M5*12 Screw x20 Tension Bar Bracket x4
8	Cooling Fan Assembly x1
9	Tension Bar x2 Media Wheel Bar x1 Tension Bar Limitor x4 Bearing x4 M4*10 Screw x4 Take-Up Reel Crossbar x2
10	Power Cord x2
05	

3. Installation Instructions

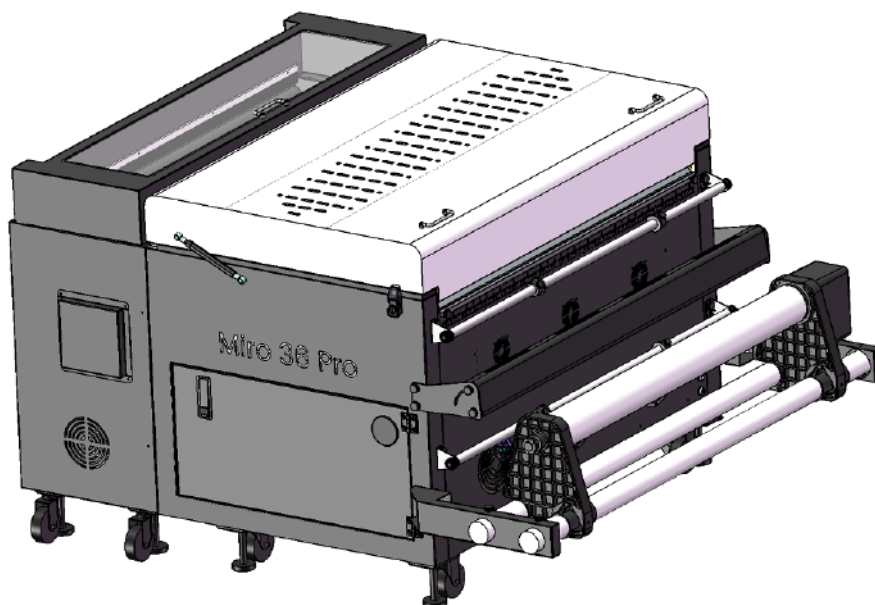
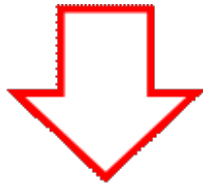
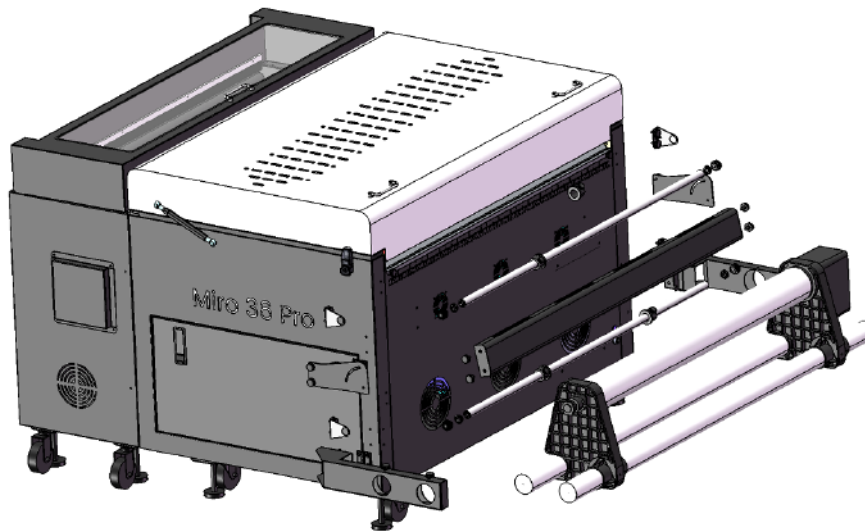
INSTALLING THE POWDER-SHAKING MODULE

Align and install the powder-shaking module as illustrated.



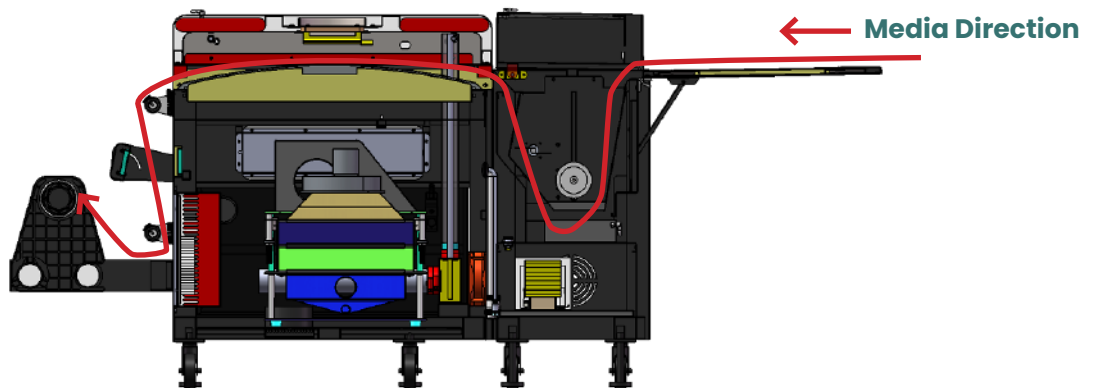
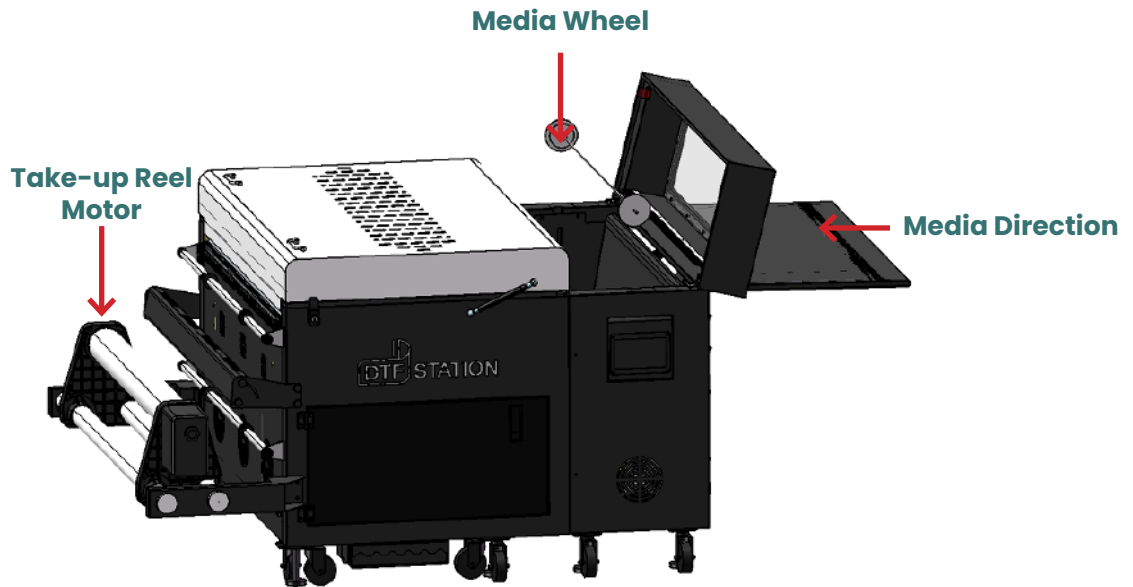
3.1 Installing the Take-Up Reel Assembly

Insert and secure the take-up reel bracket as illustrated.



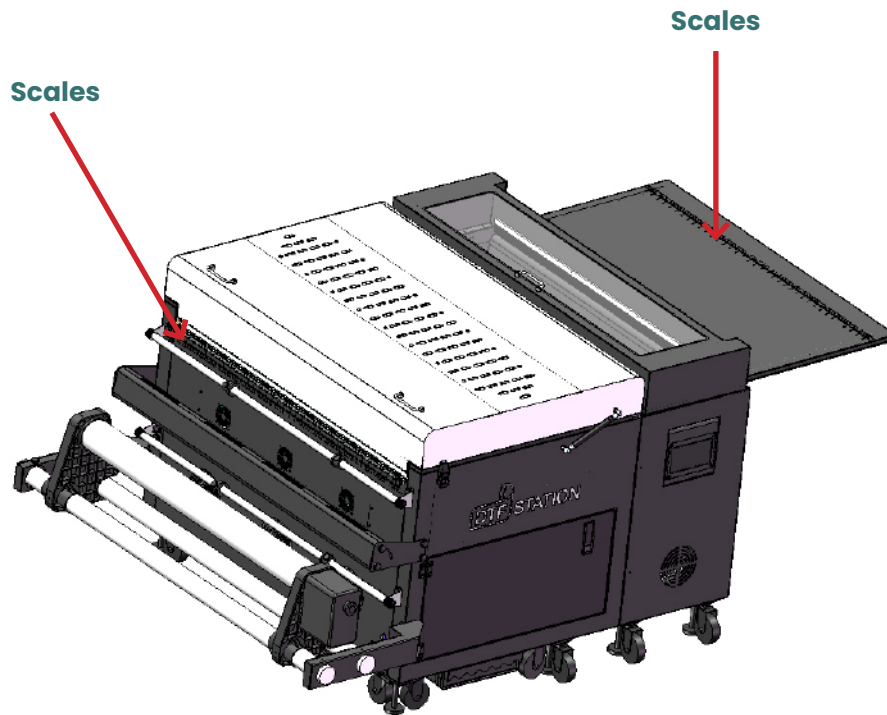
3.2 Installing the Media

Remove the media wheel first. Feed the media along the indicated film-feed direction and secure it to the take-up reel. Reinstall the media wheel, then proceed to the next step as shown.



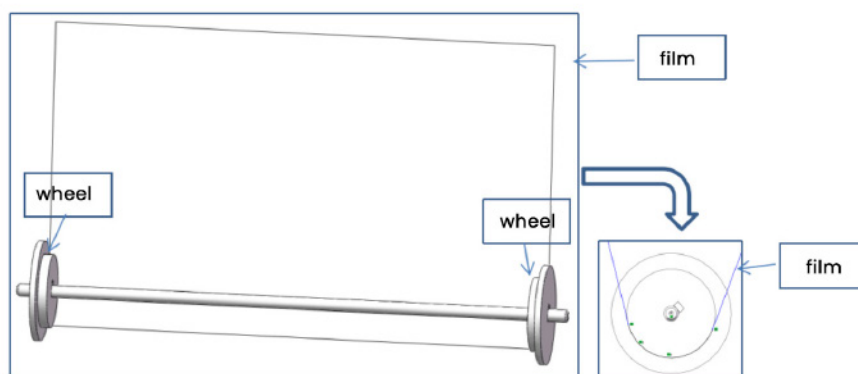
3.3 Media Alignment

After loading the media, ensure the width of the printing film aligns with the scales on the front and rear of the machine.



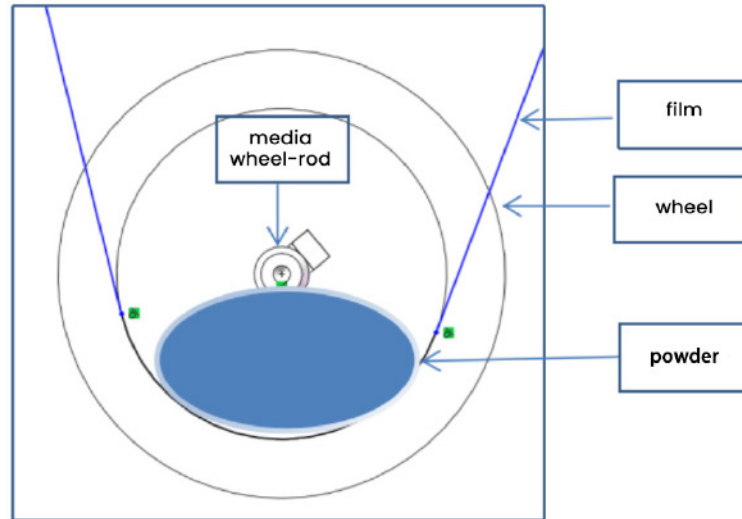
3.4 Securing and Positioning the Media Wheel

Install and secure the media wheel and the media. Pay special attention to the position of the media edges relative to the media wheel (ensure it stays within the limits).



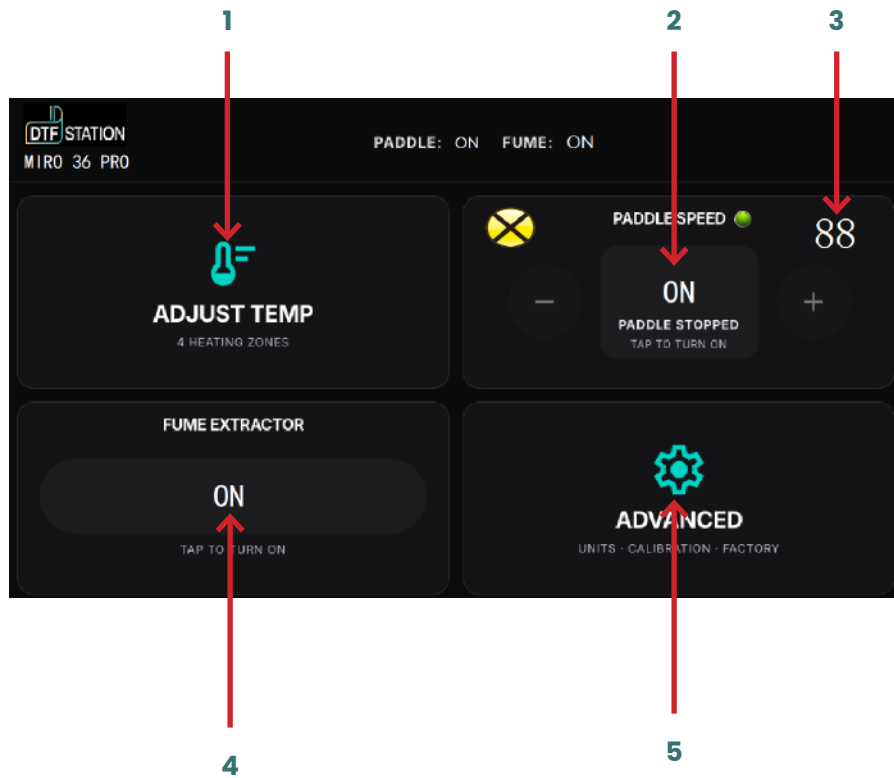
3.5 Adding DTF Powder

After securing the media wheel, add DTF hot-melt adhesive powder within the media wheel coverage. Recommended 0.8 kg per fill.



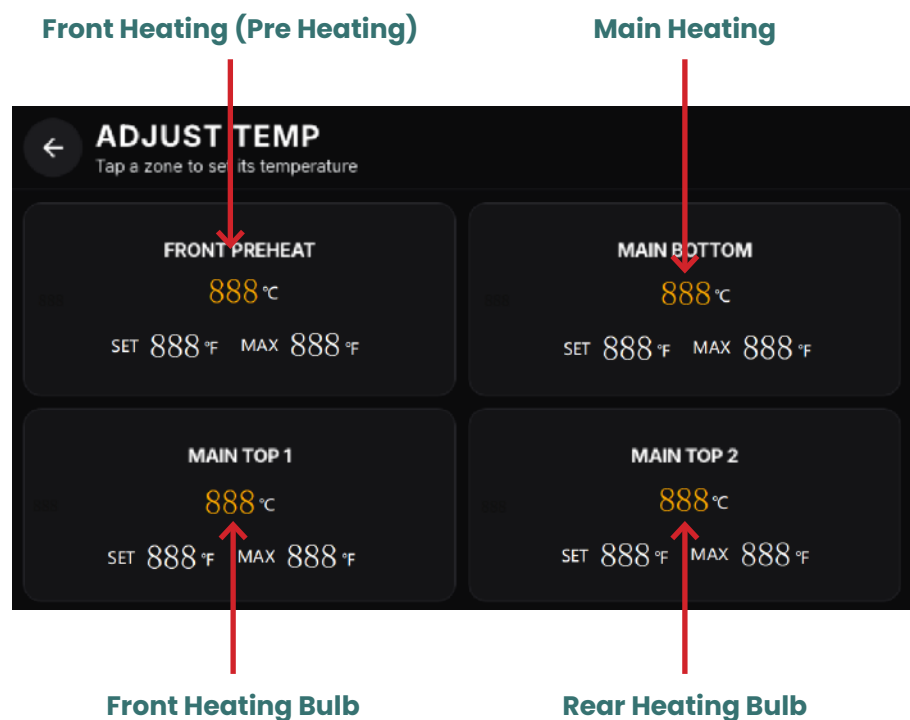
4. Control Panel Guide

MAIN SCREEN LAYOUT AND FUNCTION

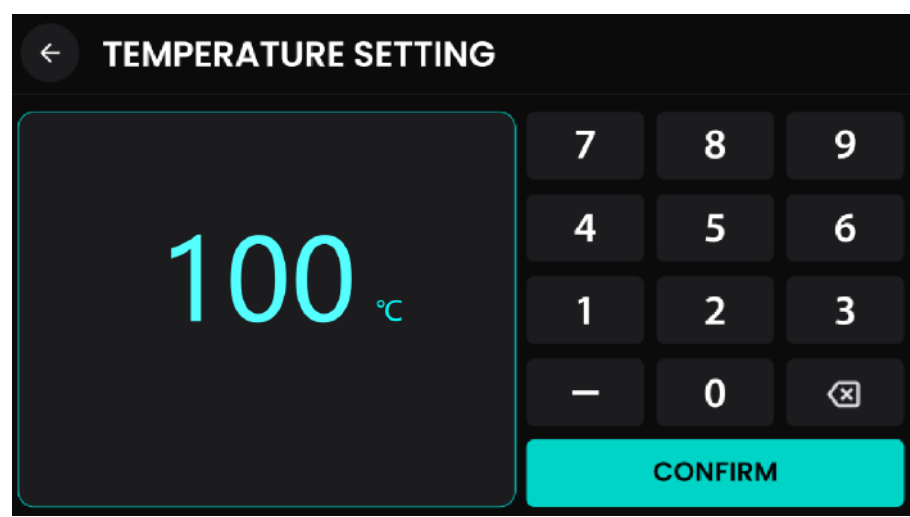


ITEM	FUNCTIONS
1	Temperature Settings (ADJUST TEMP)
2	Powder Shaking Switch (PADDLE: ON/OFF)
3	Powder Shaking Speed (PADDLE SPEED)
4	Fume Extractor Switch (FUME EXTRACTOR)
5	Advanced Settings (ADVANCED)

4.1 Temperature Settings



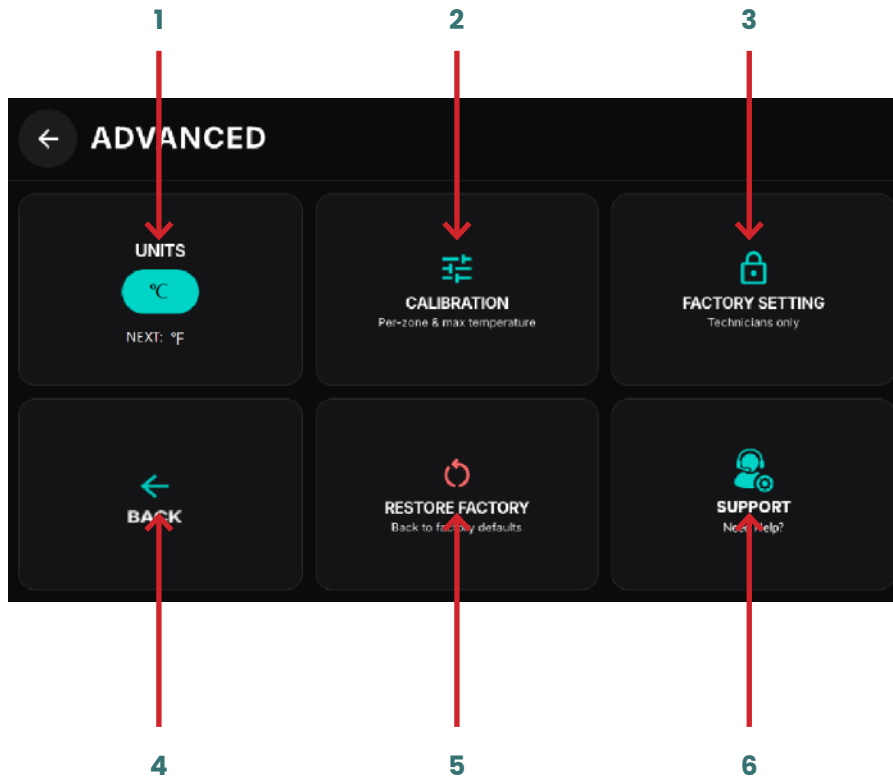
Tap "ADJUST TEMP" on the main screen to enter the temperature setting interface. Tap the corresponding heating zone, enter the desired temperature, and tap "CONFIRM" to return.



! IMPORTANT

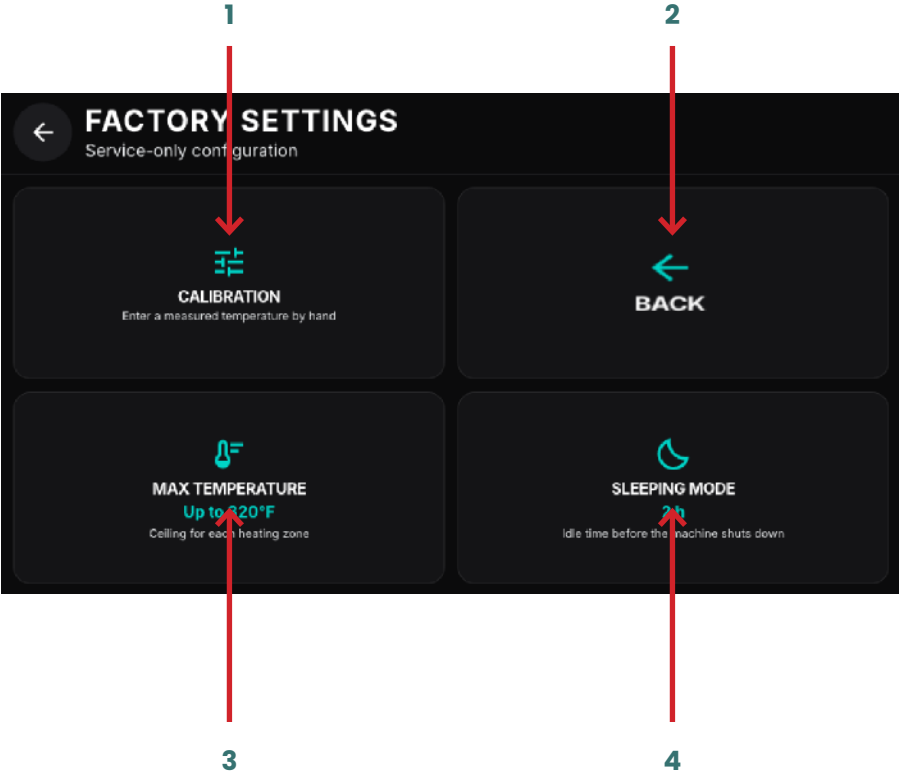
Default Factory Parameters: Front Heating 80°C; Main Heat 135°C; Front Heating Bulb 75°C; Rear Heating Bulb 75°C. (Note: If the ambient temperature is very low, the temperature may need to be adjusted appropriately.)

4.2 Advanced Settings



ITEM	FUNCTIONS
1	Switch between Celsius and Fahrenheit (UNITS)
2	Temperature Calibration (CALIBRATION)
3	Factory Settings (FACTORY SETTING)
4	Back (BACK)
5	Restore Factory Defaults (RESTORE FACTORY)
6	Technical Support (SUPPORT)

4.3 Factory Settings



ITEM	FUNCTIONS
1	Calibration (Enter a measured temperature by hand)
2	Back
3	Max Temperature (Temperature ceiling for each heating zone, up to 320°F/160°C)
4	Sleeping Mode (Idle time before the machine shuts down, e.g., 2h)

4.4 Calibration (Auto temperature calibration)

! IMPORTANT

This action must be performed under the guidance of DTF STATION Tech.

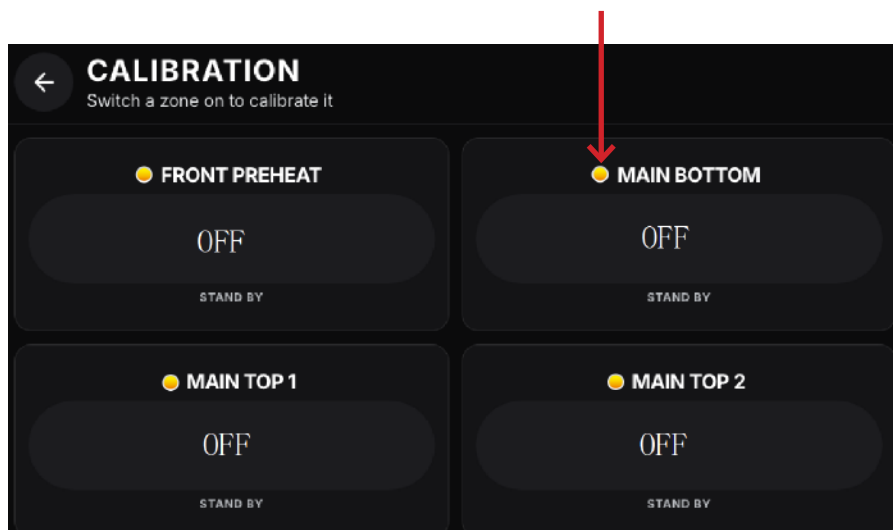
Pre-Calibration Checklist:

- Ensure the machine is heating and has stabilized at the set target temperature.
- Ensure the fume extractor is turned ON.
- Ensure all machine covers/doors are completely closed.
(Simulating normal printing conditions will significantly improve auto-calibration accuracy.)

Operating Steps:

1. In the CALIBRATION interface, select the heating zone to be calibrated, and switch it from OFF to ON.
2. The system will heat the zone according to the calibration procedure. The indicator light will turn Yellow (operating). The calibration is complete when the light changes from Yellow to Green.

The indicator light will turn Yellow (operating). The calibration is complete when the light changes from Yellow to Green.



4.5 Manual Calibration (Manual temperature compensation)

! IMPORTANT

This action must be performed under the guidance of DTF STATION Tech.

(It is recommended to measure when the machine is stable and the fume extractor is ON to ensure data accuracy.)

If there is a deviation between the displayed temperature and the actual measured temperature, tap the corresponding zone to enter manual compensation.

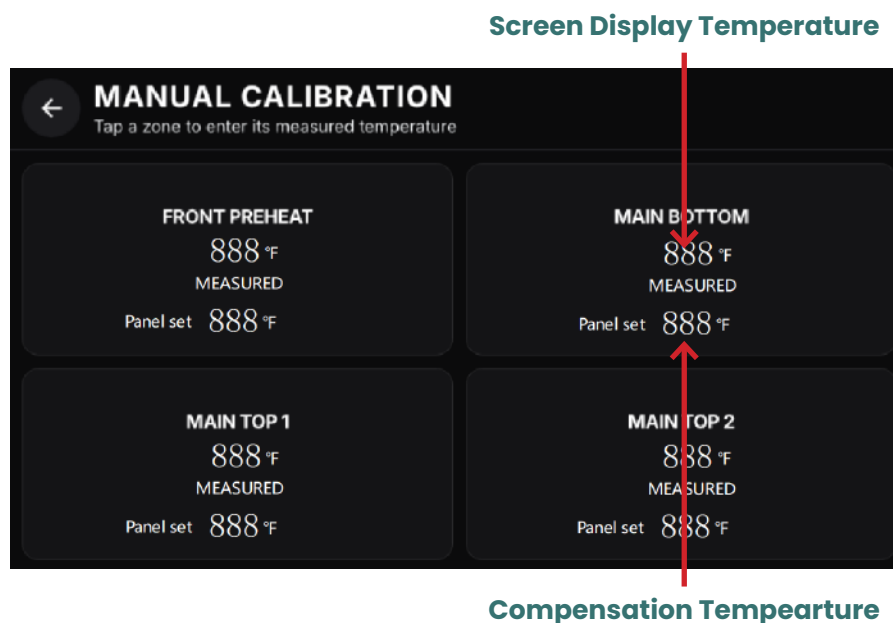
Use a thermometer to measure the actual temperature and enter the temperature difference. The device will automatically calculate and correct the temperature.

Compensation Logic:

- If the screen display is lower than actual (measured > displayed), enter a positive number.
- If the screen display is higher than actual (measured < displayed), enter a negative number.

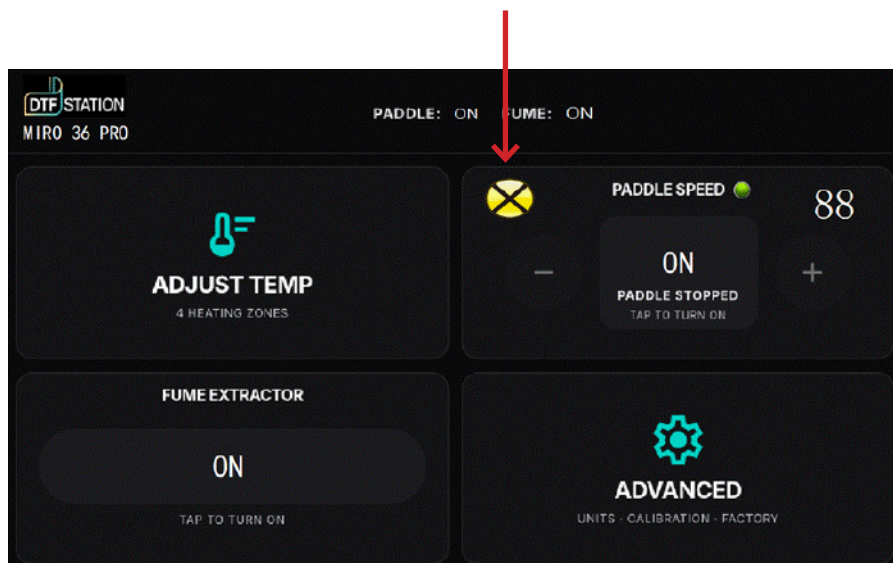
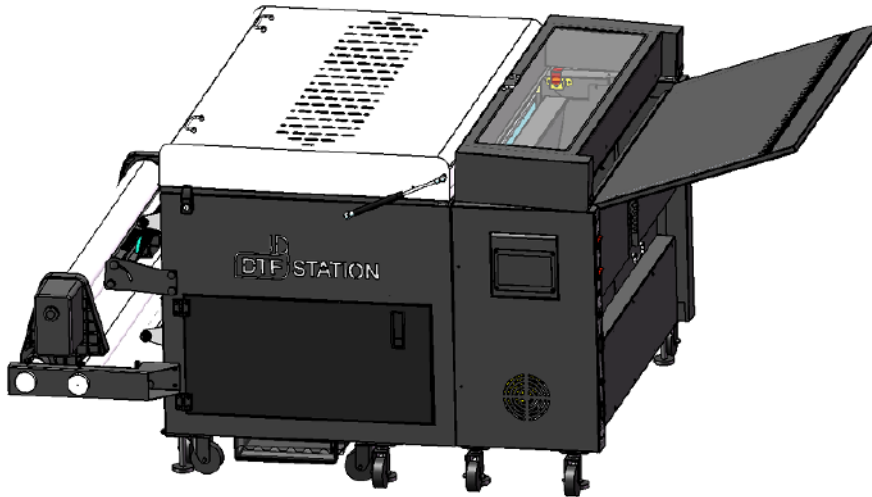
Examples:

- Example 1: The touchscreen reads 125°C, but the thermometer measures 130°C. Enter 5 as the compensation value; the touchscreen will now display 130°C.
- Example 2: The touchscreen reads 135°C, which is higher than the actual measured 130°C. Enter -5 as the compensation value; the touchscreen will correct its display to 130°C.



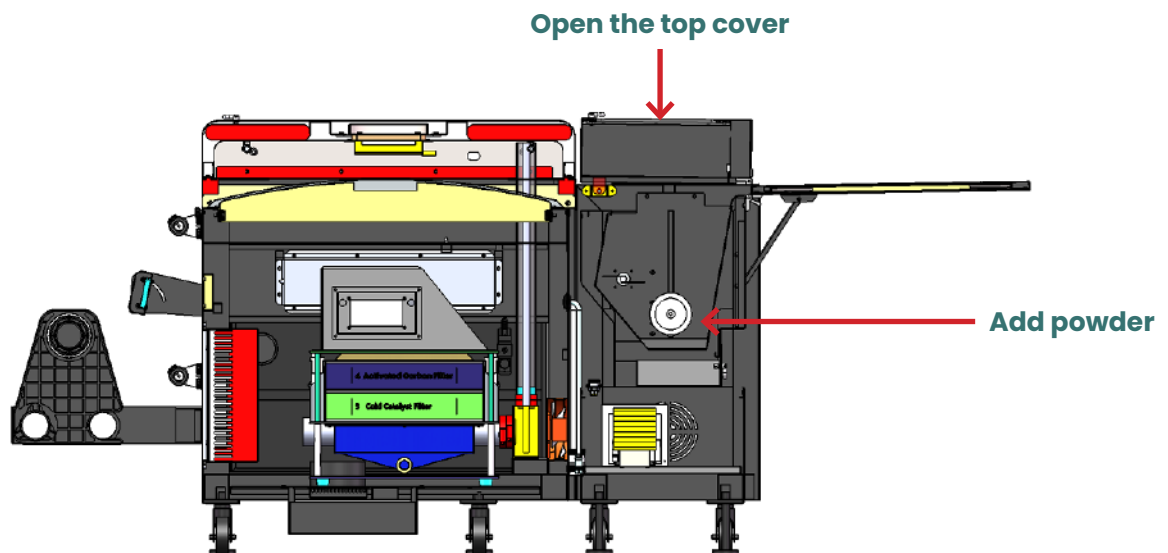
4.6 Cover Sensor

For safety protection, when the shaker cover is opened during operation, all heating, motors, and powder shaking actions will immediately stop. The display screen will show a cover-open warning. Note: To resume operation, securely close the cover. The system will resume normal heating and working only after detecting the closed signal.



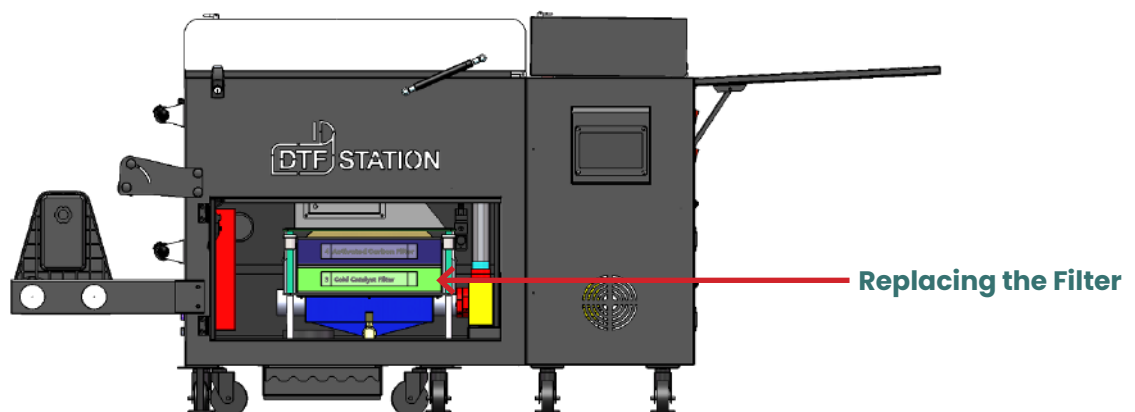
5. Consumables Replacing and Adding

Depending on actual printing speed, pattern size, and width, check the powder level in the chamber every 20 minutes to 1 hour. Add new powder as needed, or recycle and reuse the powder collected from the two drawers at the base of the machine. The recommended single fill amount is 0.8 kg; this can be adjusted appropriately based on the powder consumption rate.



5.1 Replacing the Filter

Each machine is supplied with one complete set of brand-new filters (one Cold Catalyst Filter and one Activated Carbon Filter). It is recommended that after every 100 meters of printing or at the end of each day, remove the current set of filters and place them in a well-ventilated, shaded area to air-dry naturally. At the same time, install the spare set into the machine. Alternating between the two sets of filters effectively extends filter lifespan and optimizes machine performance. If the filters become visibly blackened and saturated, or if smoke appears quickly right after installing a filter, replace it with a brand-new set promptly.

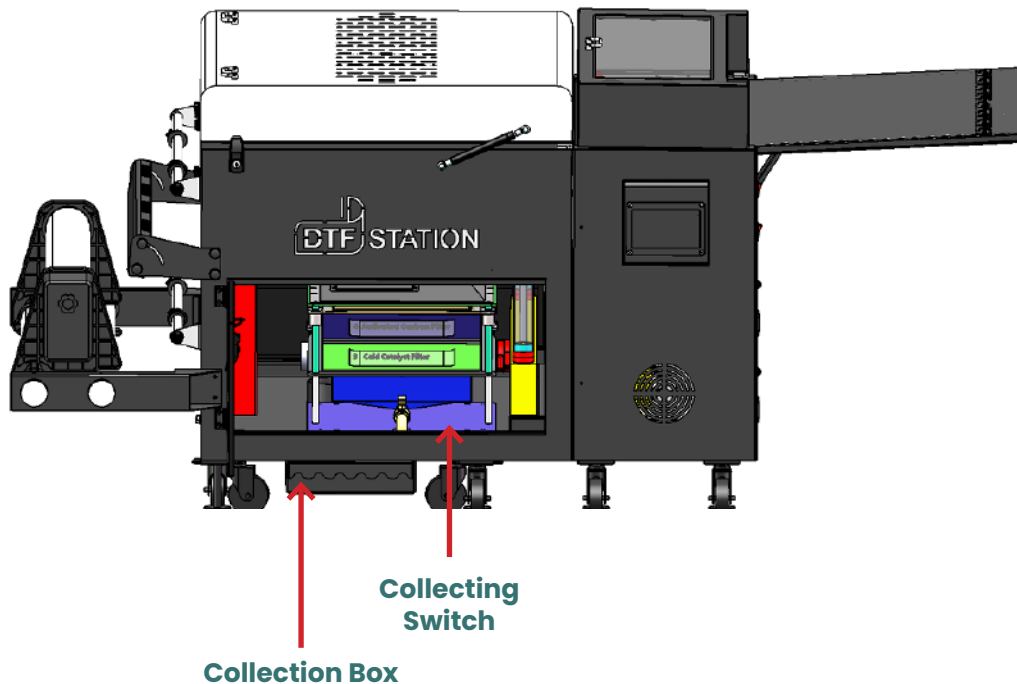


6. Draining Oil and Cleaning Sponge

Switch Operation: Slide the oil switch from left to right to open, and right to left to close.

Daily Maintenance: After daily printing, open the switch to drain the oil into the collection box.

Before the next printing session, close the switch and clean the collection box.

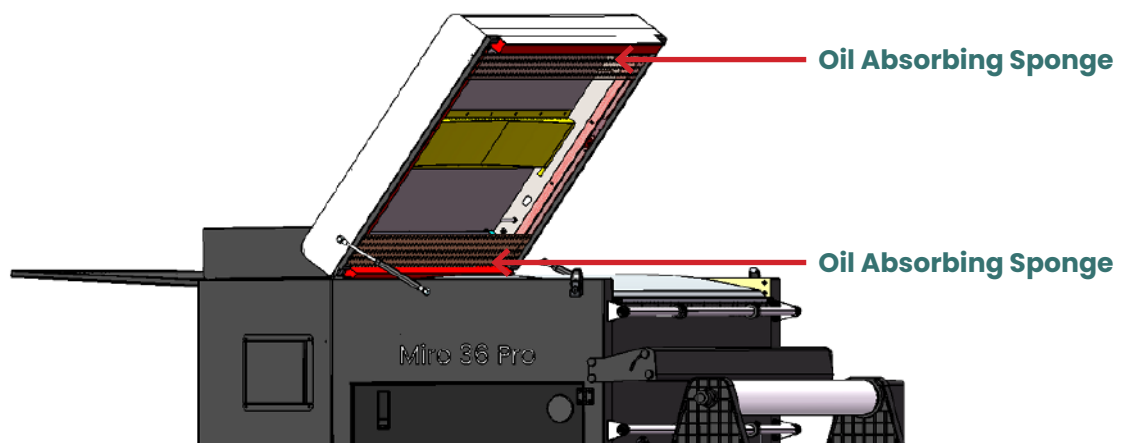


6.1 Cleaning the Sponge

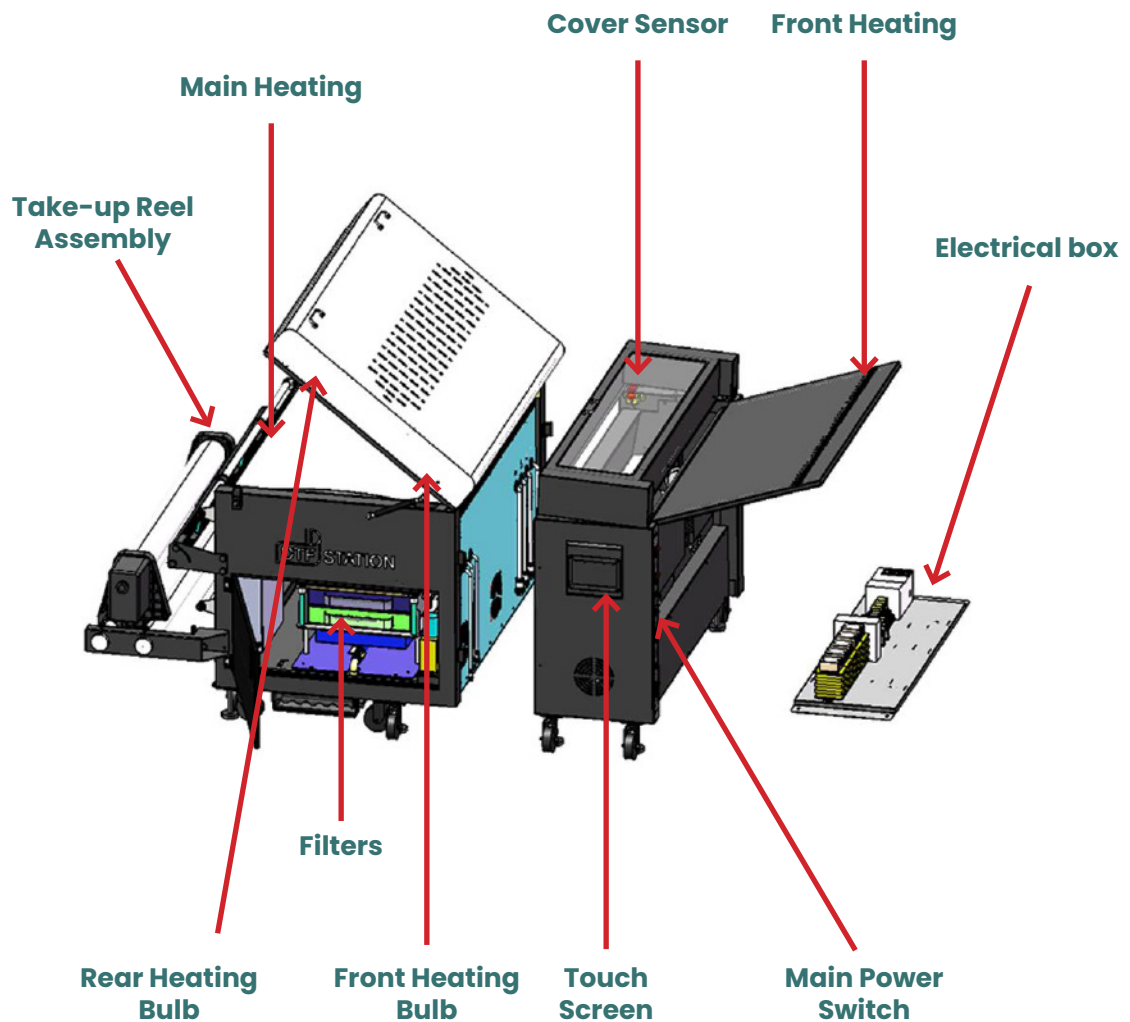
Check the sponge after daily printing and maintain it as needed:

Light Oil: If only slightly wet, wipe it with a dry cloth and place them in a well-ventilated, shaded area to air-dry naturally.

Heavy Oil / Aging: If the sponge is heavily saturated for a long time, or if it becomes brittle/aged, do not wash it. Replace it with a new sponge directly.



7. Exploded View



INSTALLATION AND SETUP OF THE MIRO 36 PRO ARE NOW COMPLETE.

Thank you for using this product.