A3-UV-TX800-1H Printer
Use Manual　(General)

(Unboxing Video)　　　(Software installation)　(machine daily maintenance)

Contents

1.Safety Information

A. Power Supply: Single-phase AC 50Hz 220V/110V AC (⊥10%). Rated power for printer is 1KW, and for powder shaker is 6KW. It is recommended to use a voltage stabilizer.

B. Only apply the power supply type indicated in the printer's label. Select 110V or 220V AC power according to the equipment's nameplate label. Product Description: This machine is a high-power, high-temperature device. Users should provide industrial-grade electricity and suitable premises for the equipment. Do not touch any areas marked with high-temperature signs to avoid burns. Before using the machine, it is crucial for users to understand its parameters, as improper operation cause product damage or other losses.

C. Connect all equipment to a proper grounded outlet, avoiding using the same circuit as devices that frequently switch on and off (such as copiers or air conditioning systems).

D. Avoid using outlets controlled by wall switches or automatic timers. Do not use damaged or broken power cords. Do not exceed the rated amperage of the wall outlet.

E. Keep your computer system away from potential sources of electromagnetic interference, such as speakers or wireless telephone bases.

F. Pay attention to safety during machine installation to prevent dropping and causing harm to people and equipment.

G. If using additional power cords, make sure that the total amperage of the devices plugged into the additional power cord does not exceed the rated amperage of the power source. Also, remember not to exceed the rated amperage of the wall outlet for all devices plugged into it.

H. Seek timely assistance from printer repair technicians if encountering any problems.

I. For the safety of both people and the machine, it is essential to properly connect the grounding wire as instructed. Do not plug or unplug the printing cable and power cord while they are energized, as this can cause damage to the motherboard.

1.2 Operating Precautions

A. Before powering on, ensure that there are no foreign objects inside the machine.

B. When shutting down, turn off the computer and software before cutting off the power supply. Check the sealing status of the print head after shutdown to prevent clogging.

C. When printing, always use a card paper holder (anti-curling device) to prevent paper misalignment and scraping against the print head

D. The machine must be supervised while operating. (There should always be dedicated operators.)

E. Do not let the print head stay exposed to the air for an extended period to avoid clogging.

F. Warning: The machine must be grounded. When the air is dry, static electricity issues should not be ignored, especially when using PET film media (especially at high paper feeding speeds). Static electricity can cause damage to the machine and circuit boards. The only way to release static electricity is through grounding. Since the human body itself is a significant source of static electricity, when handling the print head, ensure that both hands are discharged (by touching a grounded metal object or wearing an anti-static wristband). Otherwise, it can easily cause damage to the circuit boards and print head.

2. Structure & Components

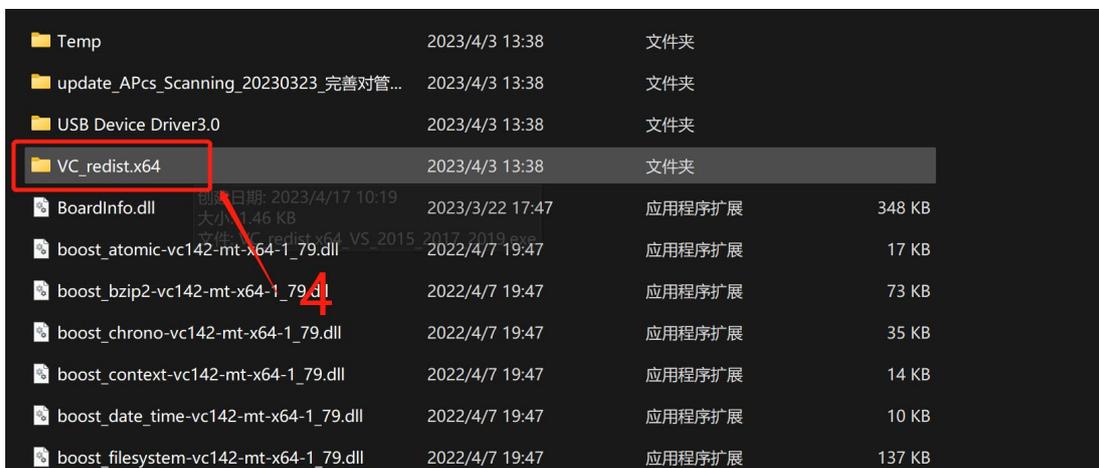| NO.	Function
1	Emergency switch
2	Platform suction switch
3	Printing platform
4	Keypad
5	Motherboard compartment
6	USB Cable
7	Waste ink bottle
8	Roller mold interface
9	POWER
10	Ink bottle

3.How to install Software?

3.1 Insert the distributed USB flash drive into the computer.Copy the installation package to the computer and unzip it
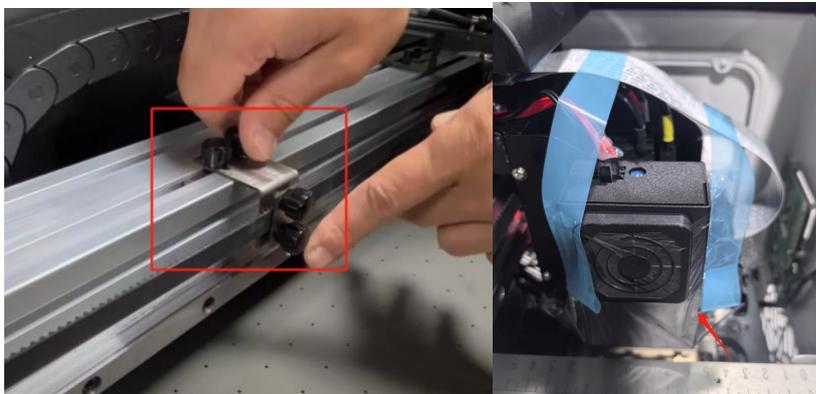

Install the driver

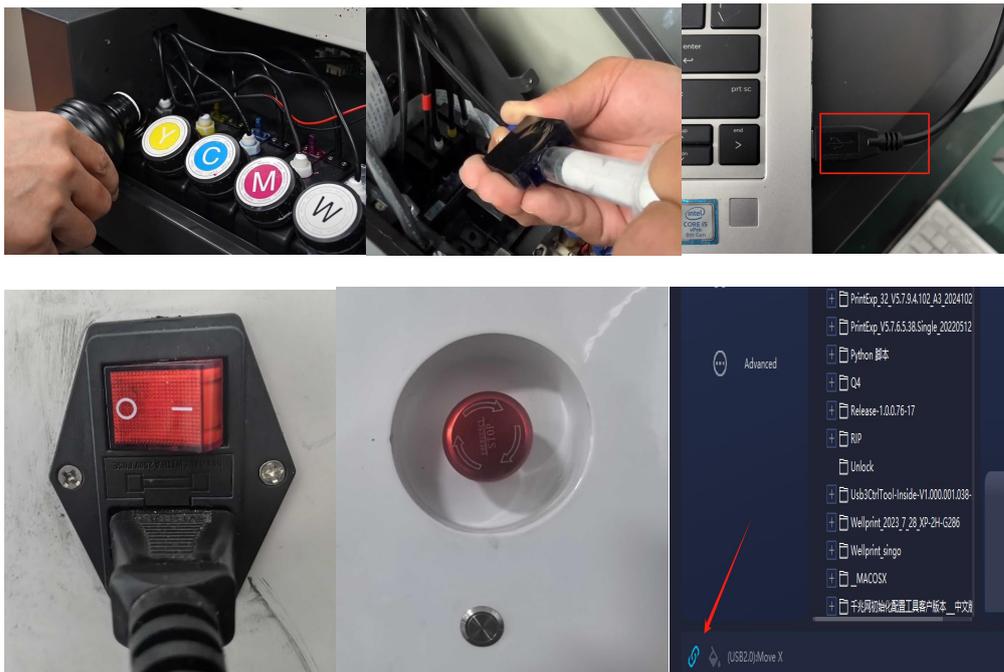
Running Library VC Installation

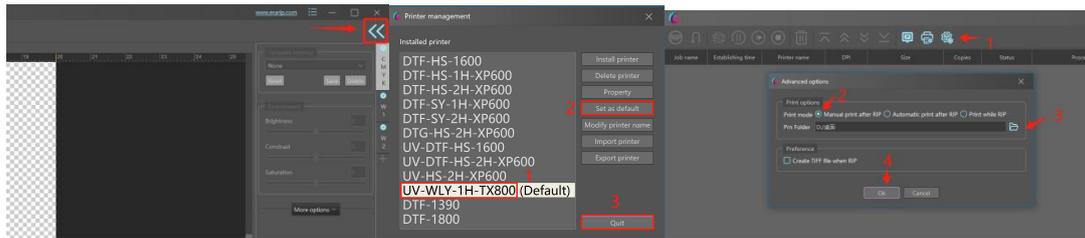Send software as a shortcut icon to the computer desktop

3.2 Confirm that there are no foreign objects on the platform, and remove the carriage fixation.Remove the print head protective film

3.3 Add the designated color ink according to the mark on the ink bottle, and extract the ink from the damper. Connect the UBS cable to the computer and start the printer
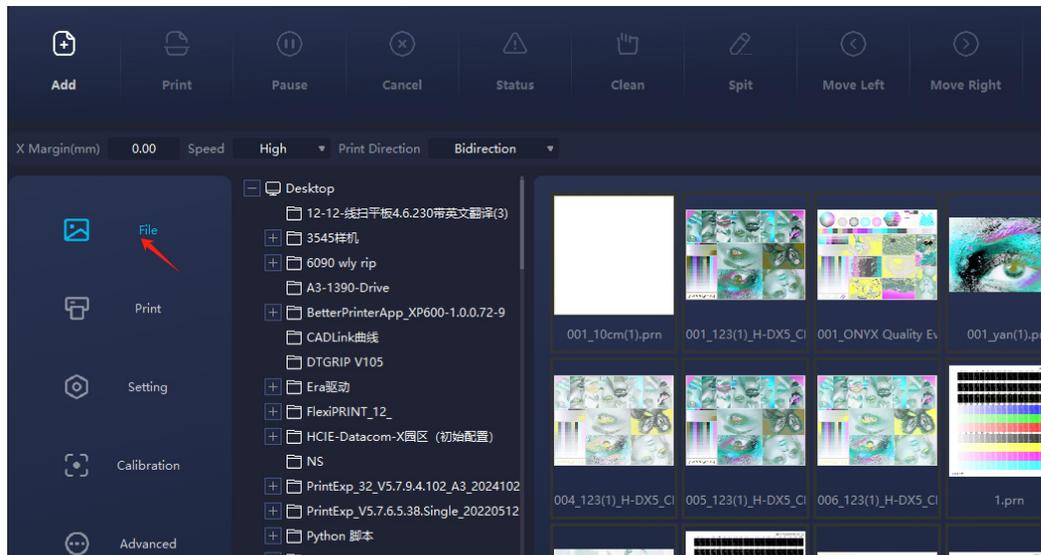
3.4 Erarip software settings：Erarip dongle Connect the to the computer, set the print driver, print mode, and prn file save address
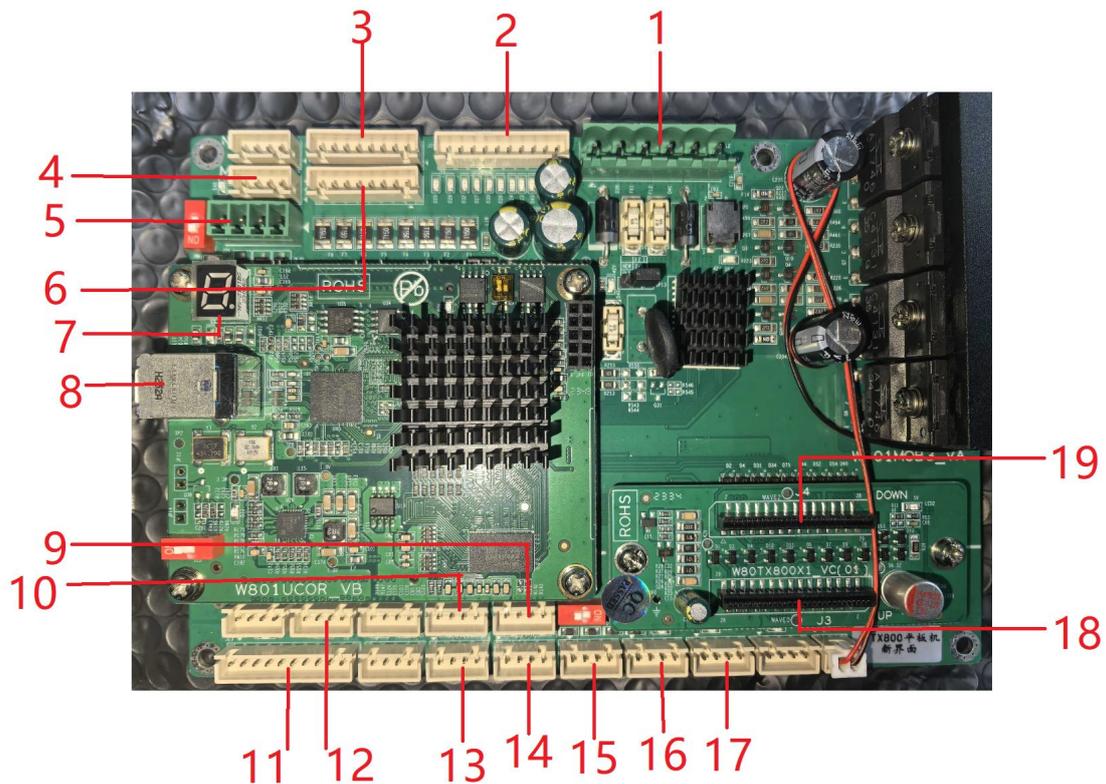

4.Printing Principles & Methods

4.1 Generate prn files using Erarip software,Select Prn file in the printing software and print it
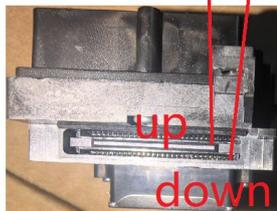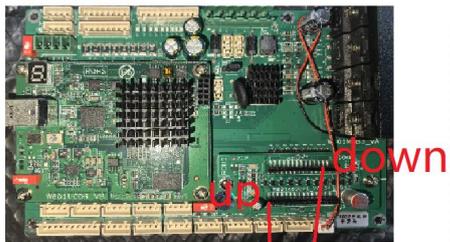
5.Accessories Attached

6.Definition of motherboard ports

Motherboard				
NO.	Interface Description	NO.	Interface Description	
1	Power Input （24V/42V）Interface	12	X-axis Motor Limit	
2	Functional connection port	13	Y limit	
3	X-axis Motor Single-end Signal output interface	14	Ink Stack Limit	
4	Z Drive signal	15	Rear limit	
5	Z-axis Motor Single-end Signal output interface	16	Raster Decoder	
6	X-axis Motor Single-end Signal output interface	17	Restricted high infrared radiation	
7	Process digital tube	18	Print head cable-Down	
8	USB Interface	19	Print head cable-UP	
9	Z limit			
10	Front limit			
11	Connect the display screen			

7.How to install print heads and film?

7.1 Wiring connections of print heads Warning: Pay attention to the correct installation of the print head cables. The correct installation method is shown in the reference image

7.2 Caution: Please note that the print head is fragile, so it is not covered by warranty once ink is applied. It is important to take precautions and avoid improper use that may damage the print head.

1. Make sure to connect the print head cable according to the instructions. If there are any uncertainties, contact the dealer or manufacturer promptly.
2. During installation, avoid touching or rubbing the bottom of the print head with your hands or any objects.
3. When installing the print head, make sure that ink does not drip into the print head socket. Take necessary precautions and use waterproof adhesive tape to secure it.
4. When loading materials, ensure that they are balanced to prevent misalignment, warping, or scraping against the print head
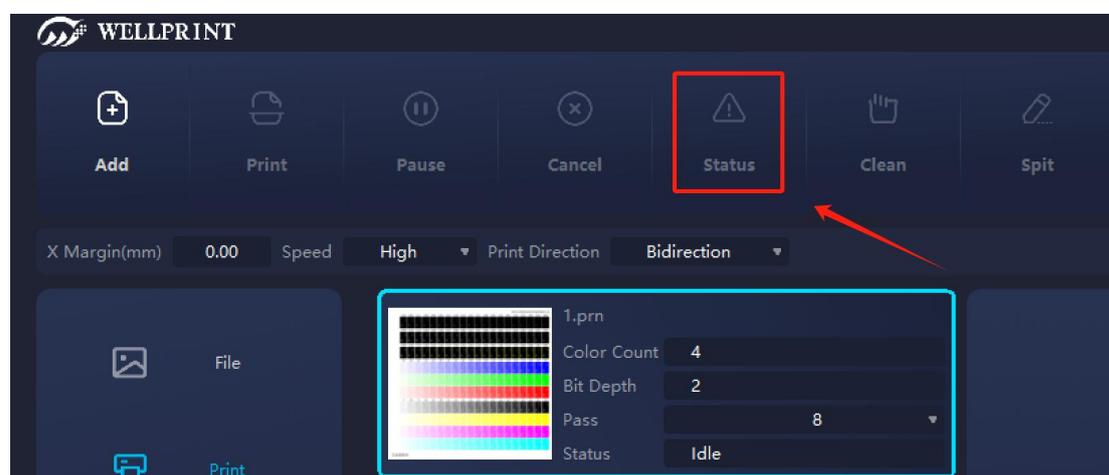
8.Printing Procedure

8.1 Power On/Off
 The device is required to be powered on,but there may be special circumstances that require it to be powered off. In such cases, it is necessary to follow the proper shutdown procedure to avoid potential impact on the normal operation of the print head.
 Power On: First, turn on the power and then launch the software.
 Power Off: First, close the software, then check if the print head has been reset before turning off the power. The device is required to be powered on to ensure continuous operation

8.2 Nozzle Confirmation
To ensure that the printed image is continuously inked, it is necessary to confirm the condition of the nozzles by performing a print test

8.3 How to operate the keypad?

	NO.		Function
	1	Left	Ink cart moves to the left
	2	Right	Ink cart moves to the right
	3	Backward	Platform moves backwards
	4	Forward	Platform moves forward
	5	Exit	Exit button
	6	ok	Confirm button

8.4 As shown in the flowchart: Erarip Generate printed images → Wellprint import prn file → Print pictures → Cutting and transfer printing

Final Results Showcase

9.Consumable Parts

Picture	Name	Duration（month）
	Peristaltic Pump	12
	Cap Top	6
	Wiper	3
	Damper	3

10.Maintenance

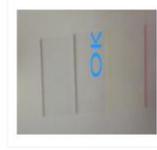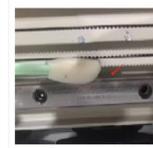| No.	Content	Cycle				
		Day	Week	Month	Season	Year
1	Check and confirm the nozzle sealing status after shutdown.	√				
2	Moisturize and clean the print head. Clean the wiper and ink stack overflow.	√				
3	Clean the wiper and ink stack overflow.	√				
4	Print head testing, print test patterns.	√				
5	Clean the printing platform and paper pressure pads.	√				
6	Add lubricating grease to the guide rail		√			
7	Check if the ink pump and circulation pump work properly.		√			
8	Perform a computer virus check and disk defragmentation.		√			
9	Clean the print head board, ink stake, and paper pressure wheels.			√		
10	Check if X-axis, Y-axis sensors and collision prevention are functioning properly.			√		
11	Check if the ink pipe and ink path are functioning properly.			√		
12	Clean and replace the lubricating oil on the guild rail.				√	
13	Check if the dampers and filters are clogged. Replace them if necessary.				√	
14	Check if the circuits, electrical boxes, switches, and motors are functioning properly.				√	
15	Check if the ink stack overflow is clogged. Replace it if necessary.					√

NO1   NO2

NO3   NO4

NO5   NO6   NO7

11.Troubleshooting

No.	Trouble	Cause
1	Unable to connect software	1. Is the driver installed correctly 2. Cable issues
2	Poor drawing effect in the picture	1. Poor nozzle status, perform cleaning again 2. Nozzle malfunction
3	Floating Ink	1. Dirty print head 2. Print head issues