

1.Product Description

UVMAX UV Flatbed Printer			
Model	UVMAX1390	Print Resolution	5760x1440dpi
Print Head	Epson 1390	Supply	AC100-230V
Print Size	A3 (310*420mm)	Power	250W/1.4A, standby 75W
Print Speed	A3(1440dpi/15min)	Software	AcroRIP
Effect print area	A3 (280*420mm)	System	WindowXP、7、10、
Ink Consumption	1 m ² /10ml	Color Configuration	CMYK+WW
Ink Supply Mode	CISS	Cameo Print	Supportive
UV Light Lifespan	3 years	Package Dimensions	760*740*690mm
UV Light Cooling	Water cooling+wind cooling	Dimensions	680*620*500mm
UV Light Power	30W	Net weight/gross weight	54KG/80KG
Platform Adjustment	Touch screen+infrared ray height measurement	Print Height	0~130mm , Infrared ray height measurement
Platform Drive	Stepping motor drive		
Ink filtration	Ink bottle and ink bag dual filtration		
Voltage/Plug	AC100~230V/choosing & matching according to the region		
Print Head Protection	Intelligent Infrared Anti-collision System and Anti-clogging of Maintenance Fluid for Ink Absorbing Pad		
Print Media	Mobile phone shell/leather/crystal/acrylic/card/CD/U disk/ABS/wood/PVC and so on		
Note	Flat-panel printer adopts stable platform technology and advanced stepper motor drive mode. It combines infrared meanwhile, positioning, water-cooling and air-cooling to meet long-term continuous work requirement. It has a wide print range and can print products within 130 mm height.		

(1) Product Summary

UV flat-panel printer, also known as universal UV flatbed printer, breaks through the bottleneck of digital printing technology and reach the level of starting with single page without plate-making and full-color image printing at one time in the true sense. Compared with traditional printing technology, it has many advantages.

(2) Application scope

Majority of the planes can be printed with almost unlimited material. For example: mobile phone shell, stone cameo, acrylic board, wallet, customized steel film, wallpaper, ceramic tile, U disk, CD-ROM, pvc, leather, glass, ABS etc.

(3) Product view and connection port

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Product description



Waste ink tank

The waste ink bottle is placed independently, which improves the discrimination between the waste ink and the color ink, fully guarantees the quality of the color ink, and provides the space for the ink bottle to increase the varnish ink printing.



Integrated LCD screen

Highly integrated LCD control system that integrates all physical button functions, easy operation, high definition display, and more sensitive touch.



Power Cable and USB Cable

Connect the usb cable to the computer, connect the power cable and turn on the power switch, then the printer connection is completed.

Water injection hole

Double cooling system

Water cooling + Wind Cooling
Double cooling system can achieve good cooling effect and ensure continuous operation of the machine for a long time.

Ink compartment

250ML*5 bottles of ink, two white channels share a white ink bottle.

Ink supply system

Epson Print Head

CMYK+WW 6 Color Epson print head, print quality is fine and full of color

The system uses ARM microprocessor and FIFO memory as the core, and realizes the logic control of the whole underlying data acquisition system by using programmable logic device.

ARM Processor

(4) Touchscreen overview

(Machine Status Indication)

Indicate the general status of the machine

Online button :

Click on the host platform to find the origin point to make the printer ready for printing.

Offline button :

Click to relieve print control to stop the platform from printing

Forward、Upwards、Downward、Backward :

Control platform to move forward,backward, upward and downward

LCD Screen Control System



Printing Paper

Press this button to load or pop out the print paper.

You can resume printing if you press this button when there is a lack of paper error or multiple page feed errors. Press this button when printing jobs to cancel the print.



Ink

Press this button to move the print head to the cartridge change location.

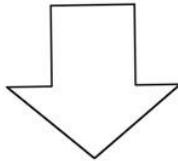
When detecting the service life of the cartridge market, press this button to print the head to the ink check position.

After changing the cartridge, press this button to return the print head to the initial position.

When the ink indicator lights go out, press the button for 3 seconds to clean the print head.



Boot interface



Power Supply

Press this button to open and close the printer power



Indication Status

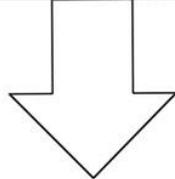


Online & Offline Button

Manual Button Of Platform

Cylindrical fixture

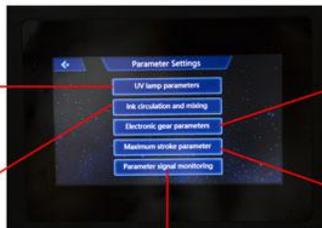
Home page



UV lamp parameters



Electronic gear parameters



Parameters setting page



Ink circulation and mixing



Maximum stroke parameters



Parameter signal monitoring

2. Unpacking and Inspection

(1) steps:

- ① Prepare a screwdriver and open the button of the wooden box.
- ② Insert the power cord, turn on the "main power switch" and the "power switch in the printer control panel", and wait for the printer to finish self-inspection.
- ③ Click the "Online button" on the touch screen and wait for the indication of "Ready to print" .
- ④ Press the "print paper" button in the left printer button.
- ⑤ Platform pop-up or UV lights automatically open; the whole open-box inspection is over

(2) Notes:

- ① When pressing the "Print Paper" button, you must ensure that the status of the touch screen display is "Ready to print", otherwise the platform can not pop up.
- ② Only one power-on inspection to be carried out; if multiple power-on inspections are required, first press "next" to add cooling water or frozen liquid to prevent the UV lamp from overheating and burning.

3. Adding Cooling Water or frozen liquid

(1) steps:

- ① Use screwdriver to open the screw in the nozzle counterclockwise.
- ② Pour the tap water into the hole until the water level reaches 2/3.
- ③ Refill water within 20-30 days.

(2) Notes:

- ① Attention in the process: ensure that the water flows in the pipe and circulate to reach the UV lamp.
- ② The bubbles in the water can be observed to see whether the water is flowing or not.

4. Print Drive Installation

(1) steps:

- ① start The printer.
- ② connect the printer USB cable to the computer.
- ③ Double-click drive to start installation.

(2) Notes:

- ① Wait patiently during the installation of the drive. It is expected to last about 15 minutes.

5. Installation of AcroRIP Printing Software

(1) Step: Double-click the software to install.

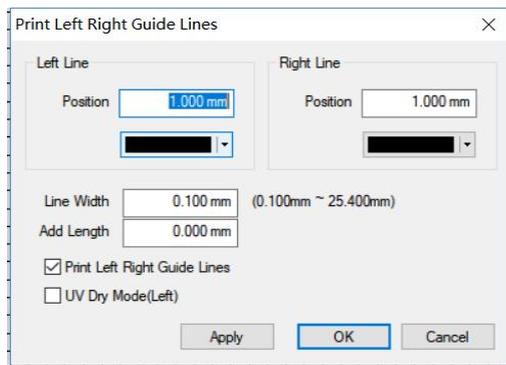
(2) Notes:

- ① The software is constantly updated, please consult the sales staff to install the latest software version.

6. AcroRIP Curve Setting and Left and Right Baseline Printing

(1) steps:

- ① Click "file" in the upper left corner of the software; select "Unit" and choose "mm".
- ② Click "file" in the top left corner of the software; select "print left right guide lines"
- ③ Set according to the following instructions



④ Curve settings (not required; see video for details)

(2) Notes:

① Language Conversion is located at the third option in the upper left corner of the software interface,

"language"

② The left and right datum lines must be set for printing, otherwise the left hand side will not print out.

③ Coverage must be used when curve folders are pasted to the software installation location.

7. Ink injection and sprinkler dredging

(1) steps:

① Place ink in equipment

② Pumping ink bag with needle tube; using vacuum to lead ink to ink bag.

③ Click on the top left corner of the software "file"; select "Head cleaning"; click on the confirmation to wash the nozzle with ink.

④ Pumping waste ink tube with needle tube (in the position of ink bottle)

(2) Notes:

① When taking the ink bag, hold the finger in front and back position. You can't squeeze it in the middle, otherwise ink will flow out.

8. Print test pages and positioning boxes

(1) steps:

① Lay a blank sheet of paper on the print plane; click the "Online button" button on the touch screen; wait for the touch screen to display "Ready to print".

② Click on the top left corner of the software "file"; select "Nozzle Check";

③ Observe whether the printed lines are complete or not; if not, proceed to step 6 again.

(2) Notes:

① The printer should be selected before printing.

② It is the normal phenomenon that The white and yellow of the test page are difficult to observe.

9. Printing task

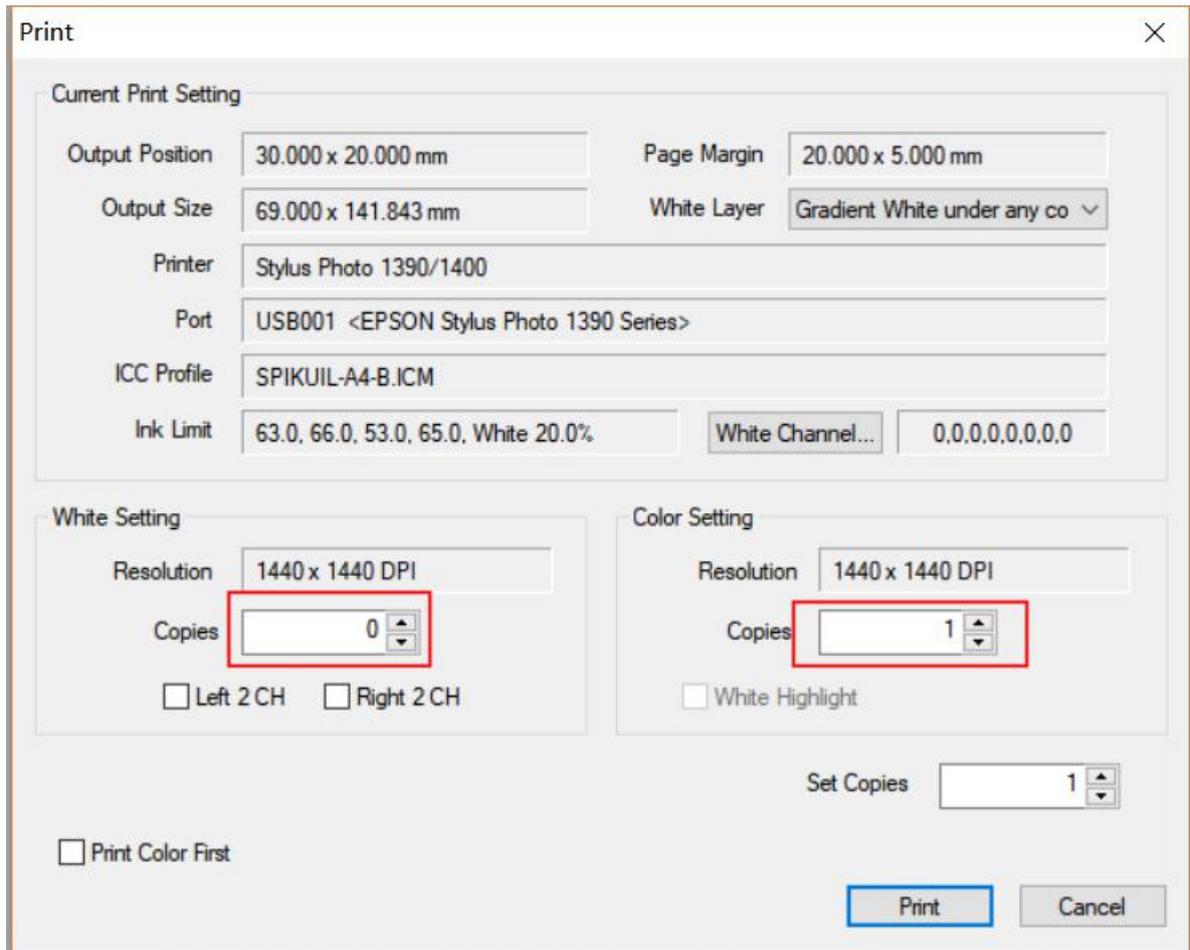
(1) steps:

① Click on the top left corner of the software "file"; select "Open"; open the corresponding picture file.

② Setting up printing position and output pattern size

Output Position	
X	30.000
Y	20.000
Output Size	
Width	69.000
Height	141.843

- ③ Place the product on the flat surface; click the touch screen "online" button; wait for the touch screen to display "Ready to print"
- ④ Click on the top left corner of the software "file"; select "Print"; check the corresponding printing effect for printing.



10. Management and Maintenance

(1) sprinkler maintenance

The printer should be maintained after shutdown for more than three days in order to prolong the life of the sprinkler.

① When the printer starts self-checking, when the typewriter is in the middle position, the total power supply shall be disconnected.

② Manually move typewriter, add maintenance fluid to the empty position.

③ Pour in the maintenance fluid, merge it into the typewriter and move it back to its original position.

(2) As the ink cart moves, lubricating oil must be added to the guide rail of the ink cart every month to

prevent the motor from overheating and slowing down.

(3) Replacement of cooling water

Cooling water should be refilled every month.

(4) The machine should be placed in a cool place to avoid direct sunlight.

(5) The ambient temperature of the machine should not be too high.

(6) Service life and preservation of ink

Because of the special composition of UV ink, it will solidify when exposed to light, especially when the light is very strong. Because the light contains ultraviolet rays, the UV ink will react with ultraviolet rays, so the storage requirements are very strict. First, avoiding light in the storage is the basis. Therefore, when we store or add UV ink, we must take a measure to avoid light.

① Storage site requirements: ink must be placed in a cool, back lit place, preferably placed in the bottom of the warehouse, with glass or metal platforms is the best, height should not exceed 1 meter.

② Ink storage and packaging requirements: black opaque plastic bottles for outer packaging and cartons for outer packaging. At the same time, no other articles can be placed above the ink in order to avoid extrusion and damage.

③ Ink storage personnel requirements: only-staff, other people should not contact, because the ink has a certain corrosive, avoid dripping into the eyes, skin, if this situation occurs, immediately rinse with clean water.

④ Usage requirements of UV ink: ink should be used immediately after opening, and unused ink must be sealed immediately. On the one hand, it shall avoid the contact between ink and light, and on the other hand, it prevents dust and other impurities from entering the ink. Customers must read the instructions carefully when using UV ink. Especially some new customers who buy UV film photo machine or related UV flat-panel printer should contact the manufacturer in time if they do not understand. In addition, when adding UV ink, we must take a measure to avoid light. Ultraviolet ink is so easy to solidify, so in the use of UV film printer or related UV printing equipment, the correct storage of UV ink, which can not only maintain the quality of ink, prolong the service life, but also enable the relevant UV ink-jet printing equipment to print out more high-quality effect pictures for you.