

**6090**

Industrial grade UV printing machine

## PRODUCT PARAMETERS

6090UV printing machine is a high-tech plate free full-color Digital printing machine, which is not limited by materials. Color photo printing can be carried out on T-shirt, sliding door, cabinet door, Sliding door, glass, plate, various signs, crystal, PVC, acrylic, metal, plastic, stone, leather and other surfaces. No need for plate making to complete printing in one go, with beautiful and rich colors, wear-resistant, UV resistant, simple and convenient operation, fast printing image speed, fully in line with industrial printing standards.

6090UV PRINTER			
Model	6090	Name	6090UV printer
Printing head	Epson XP600, i3200, Ricoh, GSI (optional)	Print size	60*90cm
Output color	CMYK+W+varnish	Printing height	0-200mm
Printing accuracy	Printable images with a resolution of 720/1440/2880/5760dpi	Number of printhead	2~3
Antifreeze	Optional additional purchase	Printing Technology	Variable Ink Drop Technology
Anti blocking	Flash spray anti blocking, automatic mixing	collision avoidance	Automatic collision avoidance
clean	Automatic/manual cleaning	Printing platform	High load-bearing suction platform
Lifting function	Head lifting and lowering	Printing direction	One Way/Two Way
Height adjustment	Manual adjustment	Special effect	relief/varnish
Inkjet technology	Micro piezoelectric inkjet	Ink level detection	Multi channel real-time ink shortage alarm
Cylinder	supports printing	Ink type	UV ink
Printing speed	General mode (a4 photos in 59 seconds) Standard mode (a4 photos in 2 minutes) High quality mode (a photos in 4 minutes)	Guide rail	Imported silent guide rail 2.0
Power	high-precision servo motor	Transmission	XY axis guide rail+motor
Software	Ruiyin/Montai	Automatic mode	fully automatic repeated printing
Ink supply	Fully automatic ink supply	Curing method	UV, UV curing, instant drying
Data	high-speed USB or gigabit network card	Dynamic printing	Automatically change code/name/date, etc. (optional)
Power	AC220/110 50Hz~60Hz	Environmental	temperature 15-35, humidity 20-30%
file format	jpg、png、pdf、tif、eps、etc	Operating System	Win7, 8, 10
Weight	About 140kg	Equipment size	1.7*1.37*0.76m
Printing materials	can be used in T-shirt, sliding door, cabinet door, Sliding door, glass, plate, various signs crystal, PVC, acrylic, metal Color photo printing on surfaces such as plastic, stone, leather, etc		

Note: Manual measurement of equipment dimensions may result in errors

## EQUIPMENT ADVANTAGES

Immediately spray and dry, with good printing fastness. In terms of technical difficulties such as nozzle control, weak solvent ink printing control, color curing strength, and medium transmission accuracy, reliable technical guarantees have been obtained. Compared with traditional offset printing, UV printing has the characteristics of bright colors, special printing materials, novel products, and broad market prospects. It is suitable for high-end business card packaging, high-end commercial brochures, special medium and special desk calendars, special label printing, and other product technology fields.

The UV curing process ensures that the film layer is thinner and has excellent performance, thereby reducing raw material consumption and helping to reduce costs.

6090

# APPLICATION INDUSTRY SCOPE

With the development of social industrialization, the innovation ability of industrial Digital printing technology is also developing rapidly, which is mainly reflected in the customized products. UV printers are the combination of UV curing ink and digital inkjet printing, with convenient operation, fast printing speed, high printing accuracy, high productivity, environmental protection and pollution-free.

It can be widely used in the silk screen printing industry, gift processing industry, signage and identification industry, decoration industry, and personalized printing industry. Decoration, decoration industry, glass industry, furniture sliding door industry, signage industry, exhibition and display industry, rigid cardboard packaging industry, leather and textile industry, personal entrepreneurship and store opening, various factory processing and production, etc



DECORATE



SILK SCREEN PRINTING



GIFT PROCESSING



IDENTIFICATION PLATE



LEATHER GARMENT



EXHIBITION



WEDDING PHOTOGRAPHY



ELECTRONICS

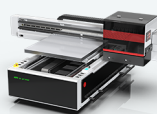
## SIMPLE OPERATION



1. Select and process layout images



2. Placing product images



3. Perform quick printing



4. Complete the presentation

## PRINTING EFFECT DISPLAY

The equipment has a wide range of printing materials, with flexible media such as timely adhesive, PVC, reflective film, oil canvas, carpet, leather, etc; Hard media such as glass, ceramic tiles, metal, ceiling, aluminum plate, wooden board, acrylic board, organic glass board, foam board, corrugated cardboard, etc



PHONE CASE



CLOTH



LEATHER



WATER CUP



BOX



CRYSTAL LABEL



BOARD



METAL PACKAGING BOX



METAL PLATE



PLASTIC CASE



PVC



JADE



COSMETICS



WIRELESS CHARGER



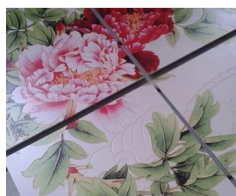
ACRYLIC



SLABSTONE



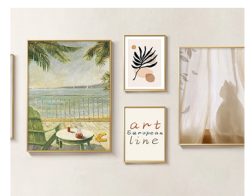
SIGNBOARD



CERAMIC TILE



FOAM BOARD



OIL PAINTING

## Product advantages

Platform accuracy adjustment function, four dedicated adjustment screws can adjust the platform accuracy up to 10 threads or less

The rack lifting and slide rail lifting are more stable when heavy objects are pressed, and the chassis sheet metal is thickened.

The main frame of the entire machine is gantry milling, with anti-collision function and Y-axis screw rod.

Fully automatic continuous printing, one click continuous printing, with optional visual positioning.

The switching power supply is a Taiwan Mingwei power supply, dual power supply, and real-time temperature and humidity display.

Dual heating system, two-stage ink cartridge constant temperature heating, bottom plate heating, and bottom plate coil heating, capable of heating up to four print heads.

Adopting high-quality servo, screw guide system, low noise operation.

Ink pumping system, ink station moisturizing ring, negative pressure ink supply, ink shortage alarm, imported silver 20 guide rail.

Designed with a lifespan of over 20 years and lifelong after-sales service.

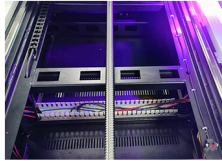
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The application in the field of high precision cosmetic packaging is becoming increasingly widespread, showing a sustained and stable growth momentum. The new transparent composite material has also started to be used in plastic box packaging due to the shortage of materials. Since these substrates cannot be printed by ordinary means, they must achieve the desired effect through UV technology. Therefore, not only more and more UV coating advantages are applied, but also the use of UV printing ink is more common.

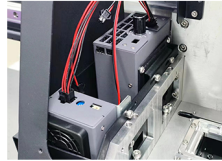
## Precision manufacturing



Strong servo motor power



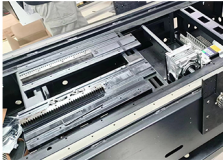
High precision lead screw



Air cooling device



Reducer



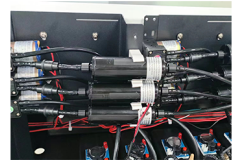
High density framework



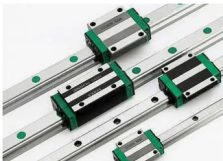
Alloy adsorption platform



Durable and wear-resistant drag chain



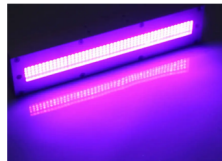
Ink filtration



Imported guide rail



High flexible power cord

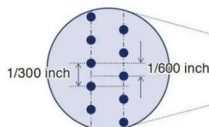
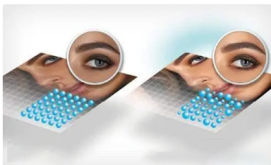


LED light, high lifespan and strong curing.



Automatic ink shortage alarm

Adopting Precision Core micro thin film piezoelectric printing chip, 2.5PL variable point can achieve high-definition image level. The color blocks are cleaner and smoother. The ink droplets sprayed at the same time are close to the circle, accurately positioning the image. Support variable ink drop technology, achieve multi grayscale printing, reduce the graininess of the image, make the color transition smoother, and bring high saturation and bright color output.



**3 IMPORTED GUIDE RAIL**

High load-bearing strength, stable operation, no vibration, capable of high-speed printing, high printing accuracy, and low noise.

**2 ALLOY ADSORPTION PLATFORM**

Thickened metal printing platform, with good load-bearing and no deformation, enhances printing accuracy.

**1 MULTIPLE PRINT HEADS**

White color oil is produced simultaneously, multi-layer printing is formed in one go, and high-definition images are printed at high speed. Ink droplets are as small as 2.5pl, with a delicate and grainy image



Independent research and development of the control motherboard. The main technical personnel involved in the research and development have more than 15 years of experience in the inkjet and laser printing industry. They have in-depth research and understanding of the ink dot control, image algorithm, Color management and electronic circuit professional technology fields, and their technical standards are at the forefront of the world.

Professional image editing, typesetting, and output software, with standard ICC mode and imitation ICC mode (gorgeous mode) core technology; The "FullColor" color processing engine is developed based on industrial standard ICC technology and can fully control colors.



Low cost printing



Automatic ink supply



Automated printing



Automatically change encoding



Timed flash spraying and blockage prevention



Mixing and anti blocking



Intelligent optimization



Curve printing



HD printing



Ink droplet controllable on-demand inkjet



## WHY CHOOSE US

Let you enjoy products and services that are reassuring, worry free, and thoughtful

Songpu, founded in 2005, is an innovative manufacturer that integrates research and development, design, production, sales, accessories, and services. We are a leading supplier of intelligent printing equipment and solutions in China.

Through independent research and continuous innovation, Songpu focuses on optimizing, upgrading, producing intelligent printing equipment, and supplying accessories, striving to create a world-class brand for China's intelligent printing equipment.

**3000** m<sup>2</sup>  
Plant area

**200** Over  
Monthly sales  
quantity

**10** Over years  
Industry  
experience

**100** Over people  
TEAM

## Shenzhen Songpu Group

Win a reputation for customer satisfaction through quality



## SELECTED CHINESE BRANDS

In 2018, Songpu was the first and only one to be selected as the "China Preferred Brand" in the printing equipment industry to forge ahead and continuously gain numerous recognition and honors in the industry, leading innovative development.

## TELEVISION RELAY

The product is broadcasted on CCTV7, Guangxi TV, Jilin TV, and Agriculture and Forestry TV, with brand reputation and in-depth consumer psychology. Compared with the current products on the domestic market, Songpu intelligent printing equipment is significantly more intelligent, user-friendly, scientific, efficient, and stable. We continuously innovate around customer needs, maintain openness and assistance with partners, and achieve win-win cooperation



## BESTSELLING AT HOME AND ABROAD

As many as 25 countries and regions worldwide, we provide customers with advanced equipment and professional intelligent printing solutions to enhance product value, work together with sincerity, create more value for customer productivity, and achieve win-win results.

## Authentication [▶](#)

TUV

EU CE CERTIFICATION

RoHS CERTIFICATION

More than 20 patents

STANDARDIZED PROCESS

US FC

A3 Invention Patent

ISO9001

Independent research and development, continuous innovation, Songpu focuses on optimizing, upgrading, producing intelligent printing equipment, and supplying accessories

The advanced UV inkjet technology is used, which not only has advantages such as high clarity, high color reproduction, and high saturation, but also achieves extremely fine lines and text output, presenting a more delicate printing effect. At the same time, UV inkjet technology can also be printed on various materials, including metal, plastic, ceramics, wood, glass, etc., making the printing range more extensive.

## Product Series [▶](#)

Small UV printer

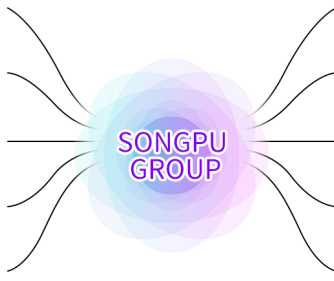
Clothing printing machine

DTF printer

Industrial UV printer

Cylindrical printer

Crystal label printer



Food printer

Stamping printer

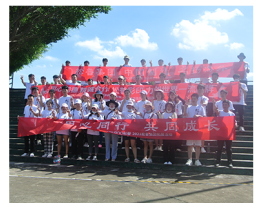
Roll printer

Assembly line printer

Large UV printing machine

Tape printer

## Manufacturer [▶](#)





# Global Recruitment Agency

Thank you very much for your attention and support to our company. We are a company dedicated to providing customers with high-quality products and services, seeking agents worldwide to achieve mutual development and win-win results. If you are interested in becoming our agent, please contact us for more detailed information. We look forward to working with you to create a better future!

## support customization

We are very happy to provide you with personalized products and services to meet your specific needs. If you have any customized requirements, please let us know your specific requirements and budget, and we will provide the best solution based on your needs. Our team has rich experience and professional skills to provide you with high-quality customized services.

## OEM

We are a professional manufacturer with advanced production equipment and technology, which can provide you with high-quality product OEM services. If you need to carry out product OEM, please let us know your specific requirements and budget, and we will provide the best solution according to your needs. Our team has rich experience and professional skills to provide you with high-quality OEM services.

## technology support

We are a professional technology company with a professional technical team and advanced technical equipment, which can provide you with high-quality technical support services. Our technical team has rich experience and professional skills to provide you with various types of technical support services.

*Independent research and development Continuously innovating*



# FAITH

JOIN HANDS TO CREATE WEALTH



## Leading innovative development

Songpu people never forget their original intention, remember their historical mission, always adhere to independent innovation, continuously increase investment in research and development funds, and master core technologies.