

UV PRINTER

MT-PP2512UV

MT-PP2512UV

MeiTu Digital Industry Co.,Ltd.



UV Printer | UV Flatbed (Hybrid) Printer

Flatbed UV Printer Series

LED Flatbed Epson PH UV Printer MT-PP2512UV



Description

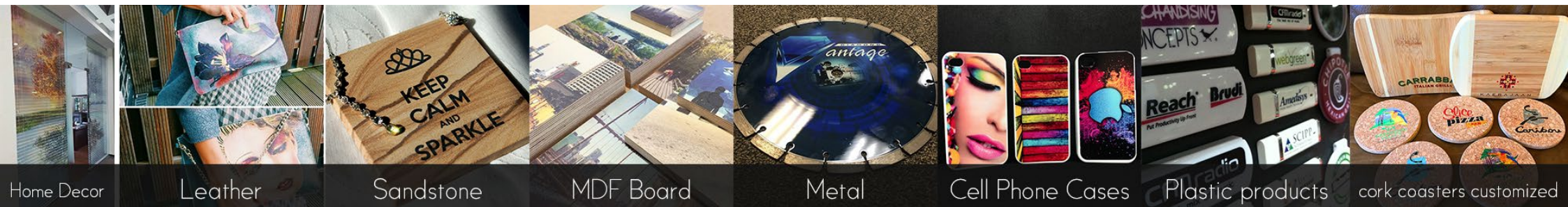
Heavy duty chassis ensures holding heavy material up to 450KGS and many years of durability. It can be equipped with Konica512 or Konica1024 or Ricoh GEN5 printhead with built-in temperature sensor and heater, which ensures precise and fluent printing, and less need for cleaning, much UV ink saved every year.

Features UV Flatbed Printer

1. The MT UV Printer working table is aluminum alloy plate with hardware quality oxidation treatment, which is waterproof, wear resistant, heat resistant and firmer. The 5CM thickness flat form is made by 100% Aluminum Alloy that is instead of 3mm thickness Aluminum Alloy composite PVC flat form.
2. MT UV flatbed printing machine has 7 areas for vacuum, use 6 areas on table for rigid material (flatbed printing), use 1 area for flexible material (roll to roll printing). Working table adopts 6 strong sectional vacuum sucking system, thus printing material can be fixed tightly onto working table during printing, to prevent printing material moving from left to right, or from front to back, or up and down, directly to ensure printing quality. Vacuum pump is made in Germany that doesn't only provide strong suction but also low noise. However, compared to other UV Printer, normally they only have 2-4 areas on working table for vacuum.



3. MT UV printer equipped magnetic grid and magnetic grating transducer on each side of X axis, ensure high stable and high-precision when MT UV machine is printing. It's same technology as Swiss Brand "SwissQPrint". But most of UV Printer without those advanced parts instead of general raster.
4. MT UV printer is using international UV ink from Belgium, Japan, Spain, and UK.
5. MT UV printer is using ink valve and UV lamp from UK. The life of imported UV lamp is 800-1000 hours, much longer than general UV lamp that is just only 500 hours lifetime. Otherwise, UV lamp system is equipped 3-grade switchgear for UV lamp: standby, low power and strong power that can save power and prolong UV lamp life.
6. MT UV printer adopts main filter and disk filter from UK.
7. MT flatbed UV printer equipped printhead imported from Japan.
8. MT UV printer is using negative pressure pump from Germany.
9. MT flatbed UV printer adopts THK guide rail with double-slider and sound off function from Japan.
10. MT UV printing machine equipped with the best quality Japanese NSK long life bearing and screw, ensure printing stability and high precision.
11. MT UV printing machine use wide 30mm long life carriage belt, inside threads can reduce noise, and ensure printing stability. But normally the carriage belts are used 20mm by other manufactory.



12. Ink tank with English voice prompts function that can detect ink level, which is equipped with MT UV printer. Each color use one ink tank, one ink sub-tank, one ink pump, one ink main filter, one ink disk filter, and one printhead.
13. MT UV flatbed printing machine equipped opposite blowing switch, which can move very heavy material or pick up difficulty material after printing.
14. MT flatbed UV printer use automatic pneumatic positioning of medium system, it is simple to load the medium through the automatic positioning system, as well as realize the printing from edge to edge.

15. MT UV printer adopts separate negative pressure system for colors(C M Y K Lc Lm), white (W) and varnish (V), which ensures stable ink supply. And the Two-way negative pressure control board can detect negative value and adjust it automatically by itself, high accuracy, ensure negative pressure working stability.

16. On MT UV printing machine, the negative pressure controlled automatically; negative pressure pump will run automatically as per negative meter value.

17. MT UV flatbed printing machine equipped with individual color purging that minimizes ink consumed for cleaning printheads, each printhead with subtank and solenoid valves, switch ink supply system automatically by itself when machine power off that avoid waste ink and air leak. Compared to the low quality UV Printer that just equipped manual plastic valve without durable and easy to leak air after a period of time.

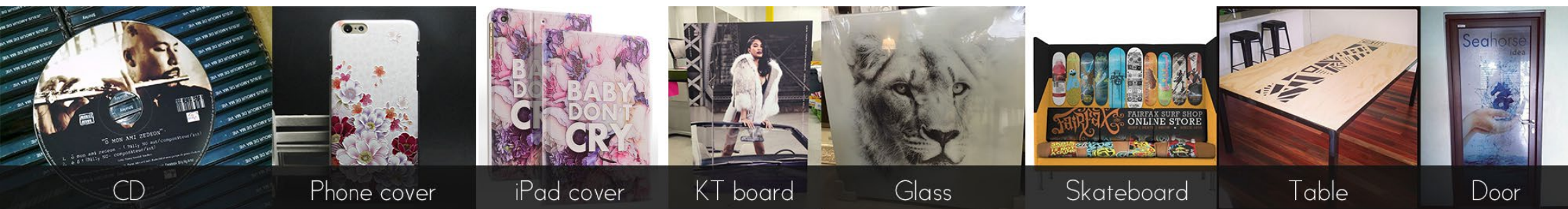


18. Carriage is equipped with anti-crash device, in order to protect printhead for MT UV printer. The Printheads of UV Printer are equipped with the collision resistant function to avoid the damage caused by wrong operation effectively. The sensors installed on the both sides of the carriage and will initiate an immediate stop to protect printheads when sensors detect the position of printheads are lower than the thick medium.

19. The UV printer allows you to print (color-white-color) and (white-white-color), to get 3D embossing printing effect.

20. There are two circulating systems to white ink on MT UV printer ink system, one is internal circulating system inside white ink tank, the other one is internal circulating system between white ink tank and white ink sub-tank until white printhead, thus white ink printing quality is very good and white printhead is not easily blocked. The White ink will be cycled constantly to realize smooth supply without break when the machine is printing.

21. The UV printer is using long-life two wide Steel belts instead of ball screws to avoid noise and precisely control movement of Y-axis. Most of UV Printer just use ball screw guide, ball screw guide make excessive noise after a while and short useful life.



22. MT flatbed UV printer is using servo driver and servomotors to respectively precisely control carriage to move in X axis and Y axis, in order to ensure printing quality. Especially, it use dual servomotor for Y-axis that can 100% ensure printing stability. Compared to other UV Printers who usually just use one servomotor for Y axis.

23. UV lamp system is controlled by electricity without any noise.

24. The UV printer is using separate circuit board with relay to control ink pump, thus to protect motherboard.

25. MT UV printing machine is using automatic media sensor for Z axis to automated control on height of printhead, once the media sensor touches the printing carriage will stop immediately, then keep suitable distance between printing material and printhead nozzle. Therefore, the printing automation and image printing quality are improved. Also MT UV Printer can adjust printhead height during machine working, just pause machine and continue to print after adjustment. The Maximum thickness of the applicable material for the UV flatbed printer is 100mm (150mm is optional).

26. The UV printer has bi-direction printing function on X axis, and carriage can move forward or backward on Y axis, which makes it easy to switch between white overlay and white underlay, and improves printing efficiency. Notice: MT UV Printer use famous Motor brand "Delta" which quality is better than Panasonic motor.



Clear acrylic slab with mirror



aluminum watch faces



ButtonCaps



Ceramic tile



Furniture



Gift Product



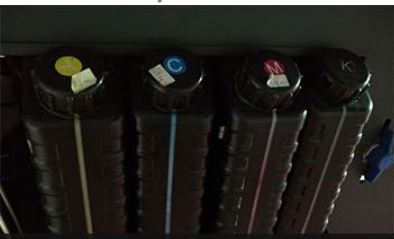
Glass



Golf grips

Maintenance

1. It is required to keep machine workshop clean without dust.
2. It is required to equip air conditioner and humidifier for machine working room, to keep temperature between 20 oC and 28 oC, moisture between 40% and 60%.
3. It is required every day to check the input power of machine, to ensure stable single phase AC 220V power.
4. It is required to use cleaning flush to clean printhead nozzles every day, in order to keep printhead in good condition



Ink-tank



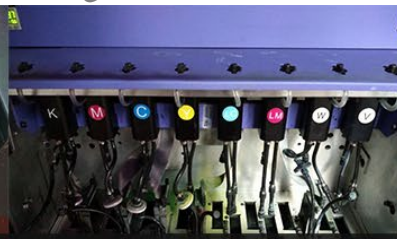
Carriage



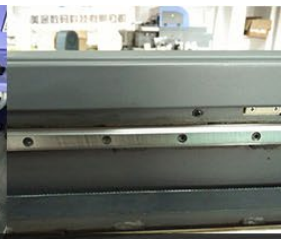
Switch



Dashboard



Print head and sub tank



Guide

Company Advantage

In China even the whole world, MT Digital Industrial Co., Ltd. is one of the best UV printer manufacturers. We have owned international brand "MT", MT factory is directly located in Shanghai, so MT factory can get the best supporting equipment for MT UV printer, thus the MT UV printer can ensure the superior quality, so the performance ratio is very high.

MT Digital Industrial Co., Ltd. is one leading manufacturer, supplier and exporter of UV printing machine in China. We produce UV printer series, and we supply the UV Printer to decoration industry, advertising industry, signage industry, glass industry, acrylic industry, wood industry, ceramics industry, MDF industry, leather industry, corrugated cardboard industry, wallpaper industry, and plexiglass industry. We are complying with European standards, and we always purchase main parts from overseas. MT printing machines have gained CE certificate. They are exported to many countries and regions.

Payment Term

1. Maximum monthly production volume is 50 sets for UV Printers.
2. MT payment term is only T/T 50% as deposit, and 50% paid before shipping.

Packing and Transportation

1. Packing: Inner packed by anti-rust & water-proof plastic bubble film, outer packed by solid wooden crate.
2. Transportation: MT factory is located in Shanghai city, nearby the Shanghai port, and MT company enjoys convenient transportation.
 - 1) Advantage by air cargo, maritime shipping, express delivery.
 - 2) The shipping cost is in customer's account.
 - 3) For domestic customers we will deliver machine within 12 to 20 working days after we receive customer's order.



Product Specifications

Mode Type	Konica UV Printer MT-PP2512
Print Head	4-16 Konica Minolta Printheads
Max Media Size	2.54*1.22m
Max Media Thickness	Up To 100mm
Print Speed	Standard Output Mode:67sqm/Hr Production Mode:48sqm/Hr High Precision Output Mode:36sqm/Hr Ultra-High Quality Output Mode:24sqm/Hr
Print Resolution	Up To 1440*1440dpi
Technology	Piezoelectric Inkjet,UV-Curable Inkjet,Grayscale Printing
Color Configuration	8 Colors At Maximum Including CMYKWVLCLM, Double White Colors, Spot Color, Varnish Printing
Ink Types	UV-Cruable,Pigment-Based Ink
Ink Reservoir	4 Liter(CMYK,LC,LM,W,V)
RIP Software	Photoprint Edition,Onyx(Optional)
Color Management	ICC Based Color Management,Adjustable Curbe And Density

File Formats	TIFF,JPEG,Postscript,EPS,PDF,Ect
Media Handling	Flatbed,Sheet Feed And Roll Feed With Optional Roll-To-Roll Upgrade Kit.Vacuum Platform Supports Various Rigid Materials.Automatic Media Registration System Is Used For Easy Loading And Accurate Printing With An Optional,Unique Blowing Function,It Makes Medium Unloading Very Easy.
Rigid Media	Standard Vacuum Table Support Rigid Materials Up To 254*122cm,50kg/Sqm
Roll-Fedmedia	Optional Roll-To-Roll Upgrade Kit Supports Flexible Media Up To 250cm Wide,With A Roll Diameter 30cm,Up To 10kg In Weight
Data Interface	High Speed USB Transmission
UV Energysource	Dual Shuttered UV Lamps,Independent User-Selectable Control Of Shutter Aperture And Two Lamps Power Levels
Dimensions	480*260*144cm,Shipping:500*216*150cm
Printer Weight	1600kg
Temperature	20 To 30°C
Relative Humidity	20%-80%,Non-Condensing(Minimum 40% Recommended For Syn Thetic Media To Avoid Static Electricity,Maximum 60% Recommended For Paper-Based Media To Avoid Buckling)

Maximum Power	7500 Watts
Pequirements	Input Voltage:200 To 240VAC,Signal-Phase,50/60Hz,32A Max
Warranty	One Year

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