MEST

SMART PRINTING



MEST

Visual Positioning UV Printer

Visual Positioning UV printer is a fully automated printing equipment. It can achieve automated color matching, height measurement and printing with one click. The prints are strongly durable, resistant to sunshine and water washing, and do not fade or peel off easily. Developed from the standard UV printer, the Visual Positioning UV Printer is upgraded with a visual positioning system, which contains a high-resolution camera to accurately identify and locate items on the printing platform, so that the printing efficiency will be dramatically increased with less labor involved.

MEST 迈伺特

· TEL : 400-100-1011

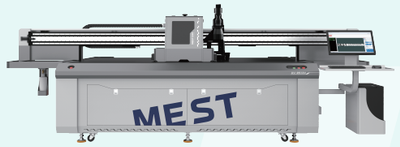
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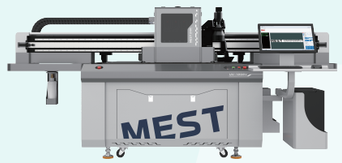
Product Parameter



MEST-2513V

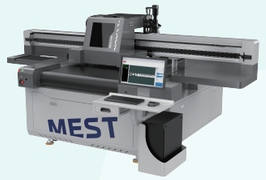


MEST-1612V



MEST-1208V

NEW



MEST-1020D

Streamlined AI visual UV Conveyor printer

Printer Size	4410mm*2310mm*1520mm	3510mm*2210mm*1520mm	3110mm*1810mm*1520mm	2310mm*3110mm*1580mm
Weight of Equipment	1200KG	1600KG (industrial marble platform)	1200KG (industrial marble platform)	1300kg
Camera Scan Range	Line scan: 2500*1300mm	Line scan：1600*1200mm	Line scan: 1200*800mm	1000mm*unlimited length
Camera Lifting	Line scan: 0-100mm	Line scan：0-70mm	Line scan: 0-70mm	Line scan：0-100mm
Recognition System	Carriage-Mounted Line Scan Vision System	Carriage-Mounted Line Scan Vision System	Carriage-Mounted Line Scan Vision System	Carriage-Mounted Line Scan Vision System
Print Head	Ricoh G6/Ricoh G5i/Epson i3200-U1 (optional)	Ricoh G6/Ricoh G5i/Epson i3200-U1 (optional)	Epson i3200-U1/Ricoh G5i/Ricoh G6 (optional)	Ricoh G6
Effective Printing Size	2500*1300mm	1600*1200mm	1200*800mm	1000mm*unlimited length
Accepted Printed product height	0-100mm (customizable)	0-70mm (customizable)	0-70mm(customizable)	0-100mm(customizable)
Print Colors	CMYK+LC LM+LK LLK+W+V+coating (supporting various color combinations)	CMYK+LC LM+LK LLK+W+V+coating (supporting various color combinations)	CMYK+LC LM+LK LLK+W+V+coating (supporting various color combinations)	CMYK+LC LM+LK LLK+W+V+coating (supporting various color combinations)
Number of Print Heads	1-7 (customizable)	1-7 (customizable)	1-7 (customizable)	1-7(customizable)
Printing Speed	6-35㎡/h	6-30㎡/h	5-12㎡/h	4-6㎡/h (8pass) 6-8㎡/h (6pass) 10-12㎡/h (4pass)
Print Resolution	1200DPI	1200DPI	1200DPI	1200DPI/1800DPI
Lifting Function	The nozzle carriage is electronically raised and lowered automatically / intelligent sensing to adjust the height manually	The nozzle carriage is electronically raised and lowered automatically / intelligent sensing to adjust the height manually	The nozzle carriage is electronically raised and lowered automatically / intelligent sensing to adjust the height manually	The nozzle carriage is electronically raised and lowered automatically / intelligent sensing to adjust the height manually
Data Interface	3.0 USB transmission interface	3.0 USB transmission interface	3.0 USB transmission interface	3.0 USB transmission interface
Operating System	Microsoft Windows 10 Professional edition	Microsoft Windows 10 Professional edition	Microsoft Windows 10 Professional edition	Microsoft Windows 10 Professional edition
Ink System	Continuous ink supply/capacity 1500ml/secondary constant temperature and pressure ink supply / cyclic stirring of white ink	Continuous ink supply/capacity 1500ml/secondary constant temperature and pressure ink supply / cyclic stirring of white ink	Continuous ink supply/capacity 1500ml/secondary constant temperature and pressure ink supply / cyclic stirring of white ink	Continuous ink supply/capacity 1500ml/secondary constant temperature and pressure ink supply / cyclic stirring of white ink
Working Environment	Temperature:20-30 / Humidity:40-70%	Temperature:20-30 / Humidity:40-70%	Temperature:20-30 / Humidity:40-70%	Temperature:20-30 / Humidity:40-70%
Accepted File Format	TIFF/BMP/PDF/EPS/JPEG,etc	TIFF/BMP/PDF/EPS/JPEG,etc	TIFF/BMP/PDF/EPS/JPEG,etc	TIFF/BMP/PDF/EPS/JPEG,etc
Power Requirements	AC220V（±10%）;50HZ;P:10000W	AC220V（±10%）;50HZ;P:5000W	AC220V（±10%）;50HZ;P:5000W	AC220V（±10%）;50HZ;P:5000W

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Highlights

High Recognition Accuracy and Speed

The recognition image output is at a 1:1 ratio, with a scanning speed of 800mm/s, enabling rapid image processing.

Three-in-one Integrated Operating system

Three-in-one (RIP, scanning, printing) integrated software operating system, one-click printing, easy operation.

Extensive Material Compatibility

It can print on any flat - surface material, meeting the needs of various industries. It can print embossments and glazes, achieving exquisite results.

Marble Platform With High Flatness

It adopts an industrial marble platform, which has natural high flatness and stability. This significantly improves the alignment accuracy and repeat positioning consistency.

Five Advantages of Visual Positioning

Self-developed Visual Positioning System

Line scanning to improve accuracy. Using a self-developed visual positioning system, with ten years of R&D experience, our machines can significantly improve the efficiency of visual positioning.

Intelligent Recognition and Positioning, Free From Molds

Automatic identification, positioning and matching of printing patterns for batch printing of products, farewell to the mode of mold positioning of printed products, improve production efficiency and save the cost of users' molds.

No Need for Precise Placement, Higher Efficiency

Printed products can be placed randomly to reduce labor costs. Compared with the previous printing positioning frame line and mold-based positioning methods, it significantly enhances production efficiency and printing output.

Solving the Problem of Positioning Irregular Products

For irregular products, the camera accurately identifies the product outline, and the software automatically matches it with a template. This ensures high matching accuracy and eliminates the cumbersome manual positioning and poor precision issues.

Multi-image Intelligent Matching, No Need for Layout

When products have consistent height and thickness, it can achieve intelligent matching of different product patterns for simultaneous printing.

Application Industries

Packaging

MEST UV printing process enables personalized packaging customization. It can print large - quantity color patterns on outer packaging boxes, book covers, electrical appliances, and other items.


wine box


packing box


book cover

Gift

MEST UV printing process can be print on PE, PVC, ABS and other materials, with embossing and glazing effects. It is suitable for peripheral products, art ornaments, daily necessities, etc.


anime merchandise



mobile phone shell


gift

Home Decoration and Building Materials

MEST UV printing process allows for customizable patterns on any flat - panel home decoration and building materials, without restrictions on the carrier. It is widely used in indoor and outdoor decoration scenarios.


ceramic tile


decorative picture


glass

Advertising and Signage

MEST UV printing process features durability, scratch - resistance, non - detachment, and non - fading. It is widely applied to various advertising materials.



doorplate


metal label



billboard

Flexible Material Printing

MEST UV printing process breaks through the material limit, and can print high precision patterns on various flexible materials without plate making, which greatly saves production cost.


carpet


canvas


cushion

High-drop Print

MEST UV printing process can be used to print patterns on different surfaces with high drop height (20mm), and the fine corners can be accurately controlled to produce beautiful patterns.


toy


furnishings


electronic product