

UV-44DTS

MEDIUM-FORMAT FLATBED UV LED



➔ Next Level Industrial Printer

The all-new UV-44DTS Industrial UV LED flatbed printer was designed with improved performance and capabilities. A full 1300mm x1300mm (48"x48") industrial flatbed built to meet the needs of the medium format market. The UV-44DTS has the best-in-class substrate thickness range, printing on up to 30cm (12") thick materials.

➔ Optimized Performance

Utilizing Ricoh Gen 6 printheads, the printer is equipped for optimized speed and quality.

4-color printing combined with clear and white allows the UV-44DTS the widest range of application flexibility.

Create fast and economical ADA-compliant Braille signage using DCS patented UV printing process.

➔ Advanced New Features

- Automated shut-off sub-tank solenoids
- Independent meniscus controls for white & CMYK Inks
- Individual ink purge process
- Circulation system for optimal white ink performance



CREATIVE APPLICATIONS

- ADA and TEXTUR3D software
- 300mm (12") print height
- 4.6Kg Sq M / 10.2 Lbs Sq Ft substrate weight
- ADA/Braille, home decor, promotional products, wood, metal and more



PRECISION PRINT

- Specially formulated UV LED inks set
- Multiple vacuum zones
- Easy-to-adjust leveling
- Precision Y-Axis accuracy



PRODUCTIVITY

- Ricoh Gen 6 industrial printheads
- Crash detect head protection system
- Direct pour ink system
- Precision dot placement



Contact DCS

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SPECIFICATIONS

REQUIREMENT	SPECIFICATIONS
Print Heads	4 Ricoh Gen 6 Printheads, On-Demand Piezo Inkjet, Variable Drop Greyscale
Resolution	605x300dpi / 605x600dpi / 605x900dpi / 605x1200dpi / 605x2400dpi
Ink Sets	4 Color Printing, White & Clear, Direct Pour Ink Tanks, Individual Sub Tanks, Auto ON/Off
Printer Size	3140mm Wide x 2159mm Long x 1900mm High / 125" Wide x 85" Long x 76" High
Vacuum Table	4 Adjustable Independant Vacuum Zones for Maximum Substrate Hold-down
Printer Weight	760kg / 1676lbs - Crated Weight 1000kg / 2205lbs
Warranty	1 Year Limited Warranty
RIP	Color Byte 11 with Compass Feature and Printer Control Software
Power Requirements	(2) 220-240VAC 50/60HZ 20A Max Single Phase Circuits
Environmental	20°C - 30°C / 68°F - 86°F - 20°C to 25.5°C / 68°F to 78°F Optimal

PRINT SPEEDS

Color	Print Modes 1.9 - 7.4 m ² /Hr (20 ft ² - 80 ft ² /Hr) Full bed - 18 Minutes at 1200dpi - 1300mm x 1300mm (48"x 48")
Color & White	Print Modes 1.9 - 7.4 m ² /Hr (20 ft ² - 80 ft ² /Hr) Full bed - 18 Minutes at 1200dpi - 1300mm x 1300mm (48"x 48")
Textured	Full Bed Textured - 2400dpi - 1300mm x 1300mm (48"x 48") - 64 Minutes
ADA/Braille	Full Bed ADA - 2400dpi - 1300mm x 1300mm (48" x 48") - 86 Minutes

1. Substrate dependent. 2. Bidirectional; Print times may vary dependant on print mode configuration. 3. All substrates and textiles/fabrics should be tested for image receptivity, adhesion and durability with final acceptance and suitability determined by the customer. 4. Some materials may require the use of an adhesion promoter or a chemical wipe prior to printing to promote adhesion. This data sheet is for informational purposes only. Direct Color Systems makes no warranties, expressed or implied in this summary. Specifications are subject to change without notice. This is not an offer for sale. Compliant with patents: directcolorsystems.com/patents.

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