

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

Direct Color Systems

99 Hammer Mill Road
Rocky Hill, CT
USA 06067
800 829-2244

Info@directcolorsystems.com

DCS EAA

Rua Do Alto Das Torres 942
4430-009 Vila Nova De Gaia
Portugal

eeainfo@directcolorsystems.com

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 3400mm Long x 1900mm High / 125" Wide x 184" 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.

DCS CORPORATE 99 Hammer Mill Road, Rocky Hill, CT USA 06067 | 800 693-6376 | +1 860 829-2244 | Info@directcolorsystems.com
DCS EAA Rua Do Alto Das Torres 942, 4430-009 Vila Nova De Gaia, Portugal



Direct Jet is a registered trademark of Direct Color Systems, Inc.

44022025_a

www.directcolorsystems.com