

## Next Level Industrial Printer

The all-new UV-44 DTS Industrial UV LED flatbed printer was designed with improved performance and capabilities. A full 48" by 48" (130 by 130cm) industrial flatbed built to meet the needs of the medium format market. The UV-44 DTS has best-in-class substrate thickness range, printing on up to 12" (30cm) 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-44 DTS the widest range of application flexibility.

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

### Advanced new features include;

- High precision magnetic encoder
- 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
- 12" (30cm) print height
- 10.2 Lbs Sq Ft / 4.6Kg Sq M substrate weight
- ADA/Braille, home decor, promotional products, wood, metal and more



## PRECISION PRINT

- Multiple vacuum zones
- Specially formulated UV LED inks set
- 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

## Technical Specifications

REQUIREMENT	SPECIFICATION
Printing Technology	On-Demand Piezo Inkjet Printheads
Printheads	4 Ricoh Gen 6 Printheads
Ink Droplet Size	Variable Grayscale Technology
Ink System	Automatic Supply with Negative Pressure Meniscus Control
Resolution	605x300dpi / 605x600dpi / 605x900dpi / 605x1200dpi / 605x2400dpi
Ink Colors	Four Color Printing Plus White and Clear
Ink Delivery System	Direct Pour Ink Tanks, Individual Sub Tanks with Automatic ON/Off Switches
Print Speed	Color Only - 1200dpi - 48"x48" - Bidirectional - 10 Minutes
	Textured - 2400dpi - 48"x48" - Bidirectional - 64 Minutes
	ADA - 2400dpi - 48"x48" - Bidirectional - 86 Minutes
X&Y Axis Absolute Positioning Accuracy & Repeatability	+/- 0.025mm / +/- 0.001"
Z Axis Print Height	12" / 30.48cm
Print Direction	Uni-Directional or Bi-Directional
Maximum Printable Area	48" x 48" / 130cm x 130cm
Maximum Substrate Size	58" x 58" / 150cm x 150cm
Maximum Substrate Weight	10.2lbs Sq Ft / 4.6kg Sq M
Media	Wide Variety of Substrates
Flatbed Vacuum Table	4 Adjustable Independant Vacuum Zones for Maximum Substrate Hold-down
UV Lights	LED 395nm Wavelength for Long Life and Low Heat Output
Software Interface	Color Byte 11 with Compass Feature and Printer Control Software
Operating System	Windows 10 (64 bit) Computer and Monitor Included
Power Source - Printer	(2) 220-240VAC 50/60HZ 20A Max Single Phase Circuits
Power Source - Computer	100-240VAC 50/60HZ
Operating Environment Temperature	68°F - 86°F / 20°C - 30°C - 68°F to 78°F/20°C to 25.5°C Optimal
Humidity	Non-Condensing 40% to 70% Relative Humidity - 40% to 60% Optimal
Weight	1676lbs / 760kg
Printer Dimensions (LxWxH)	11.35' Wide x 6.79' Long x 5.51' High / 3.46m x 2.07m x 1.68m
Warranty	1 Year Limited Warranty

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](http://directcolorsystems.com/patents).