UV·44 DTS

Direct Color Systems®

Next Level Industrial Printer

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

Optimized Performance

The UV-44 DTS has a white ink circulation system ensuring reliable white ink performance.

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

Four 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.

Contact DCS

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CREATIVE APPLICATIONS

• ADA and TEXTUR3D software

• 12" (30cm) print height

• 10.2 pounds per sq. ft. substrate weight

• ADA/Braille, home decor, promotional products, wood, metal and more

PRECISON PRINT

• Multiple vacuum zones

• Specially formulated UV LED inks set

• Easy-to-adjust leveling

• Y-Axis accuarcy of +/-0.001" (0.025mm)

PRODUCTIVITY

• Ricoh Gen 6 industrial printheads

• Crash detect head protection system

• Direct pour ink system

• Precision dot placement

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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	726x300dpi / 726x600dpi / 726x900dpi / 726x1200dpi / 726x2400dpi
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	
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 / 4.6kg per square foot
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 30A Max Circuits
Power Source - Computer	100-240VAC 50/60HZ
Operating Environment Temperature	60°F - 80°F / 16°C - 26°C
Humidity	Non-Condensing 50% to 80% Relative Humidity
Weight	1876lbs / 850kg
Printer Dimensions (LxWxH)	136" Wide x 88" Long x 65" High / 3.45m x 2.24m x 1.65m
Warranty	1 Year Limited Warranty