UV-84 DTS Gen 2 | Direct Color Systems®

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TECHNICAL SPECIFICATIONS

Requirement	Specification
Printing Technology	On-Demand Piezo Inkjet Printheads
Printheads	Five 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	Bulk Ink System with 1.5L direct pour ink tanks
Print Speed	Color Only – 1200dpi – 96x48 – Bi-Dir – 10:21
	Textured – 2400dpi – 96x48 – Bi-Dir – 63:00
	ADA – 2400dpi – 96x48 – Bi-Dir – 95:00
Z Axis Print Height	12 15	30.48 38.1cm
Print Direction	Uni-Directional and Bi-Directional
Maximum Printable Area	96" (243.84cm) x 48" (121.92cm)
Maximum Substrate Size	102" (259.08cm) x 58" (147.32cm)
Maximum Substrate Weight	10.2lbs (4.6kg) per square foot
Media	Prints to a variety of substrates
Flatbed Vacuum Table	4 vacuum zones independently controlled for different size substrates
UV Lights	LED 395nM wavelength for long life and low heat output
Software Interface	Color Byte 11 with Compass Feature and Printer Controller Software
Operating System	Windows 10 (64 bit) computer and monitor included
Machine Power	(2) 220-240VAC 50/60HZ 15A
Operating & Standby Temperature	68° - 86°F / 20°C – 30°C
Conditions for Optimal Print Quality	68° - 78°F / 20°C – 25.5°C
Non-Operating Temperature	under 40°F or over 95°F (under 4.4°C or over 35°C)
Operating Humidity	40% - 70% Relative Humidity
Conditions for Optimal Print Quality	40% - 60% Relative Humidity
Non-Operating Humidity	under 15% or over 70% Relative Humidity
Weight	1876lbs (850kg)
Printer Dimensions (L x W x H) *	15.3' x 7.0' x 5.6' / 4.6m x 2.1m x 1.7m
Crate Dimensions (L x W x H) *	16.3' x 7.5' x 7.1' / 5.0m x 2.3m x 2.2m
Weight (package and printer) *	2755lbs / 1250Kg
Weight (printer) *	2205lbs / 1000Kg
Warranty	1 Year Limited Warranty

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Next Level Industrial Printer

ENHANCED FOR PERFORMANCE

The all-new UV-84DTS Gen 2 Industrial UV LED flatbed printer was designed with improved performance and capability from the previous generation. We created a true 8' (250cm) x 4' (130cm) industrial flatbed to print full size sheet stock. This printer has best-in-class substrate thickness capable of printing up to 12" (30cm) thick, opening a whole new world of direct to substrate printing applications!

The UV84DTS has a white ink recirculation system that keeps the white channel operating reliably.

This printer has been equipped with Ricoh Gen 6 printheads for optimized speed and quality.

Patented ADA/Braille Technology

OPTIMIZED PERFORMANCE

Higher Productivity at a Competitive Price

Patented ADA/Braille Technology

> Ricoh Gen6 Printheads

> Four color printing plus white and clear

> Specially formulated inks

> 720x900dpi up to 1200x1200dpi

> Precision dot placement provides sharper text and graphics

> Variable drop grayscale technology allowsfor smoother gradient and less ink usage

> Spend less time refilling the bulk ink system with large-capacity ink bottles (1L)

> Crash Detect System helps to reduce the chance of costly head strikes

Precision Printing & Production

> Multiple vacuum zones for different size substrates for maximum holding power

> Two heavy-duty vacuum pumps keep media in place for accurate dot placement

> Easy-to-adjust leveling system

> Y-Axis positioning accuracy of +/- 0.0005" (0.0127mm)

> Specially formulated UV LED inks that were created for the UV-84DTS GEN 2 for precise jetting

Multiple Applications

> 12" Print Height (30cm)

> Color Byte 11 with ADA Software and TEXTUR3D Software to help create truly unique signage

> Variable control LED lights with 10W/CM2 power output with instant on/off feature

> 10 pounds per square foot (50kg per square meter) of substrate weight

> ADA/Braille, Point of Purchase, Labels, Tags, Promotional items, Packaging, Retail, Wayfinding, Home Décor, Wood, and many more

WELCOME TO THE NEXT GENERATION...

UV-84DTS Gen 2

NEXT LEVEL INDUSTRIAL PRINTER

DCS®