

UV-21MP

SMALL FORMAT FLATBED UV LED

PRECISION, VERSATILITY & EFFICIENCY IN A COMPACT SIZE



Industrial-Grade Promotional & Multi-Purpose System

Experience a new era of printing with our compact UV flatbed system, designed for a wide range of applications and superior performance. Say goodbye to gravity-fed, consumable print heads and the cumbersome maintenance they demand. The MP Series printers feature an advanced, integrated approach that eliminates the need for disposable print heads or capping stations.

The MP Series leverages a negative-pressure ink delivery system, ensuring industrial-grade performance with precision, high-resolution print results, every time. The optimized design ensures perfect and consistent ink delivery from start to finish, with minimal downtime and maintenance.

UV-21 Direct Color Systems®

Chromasphere
General Purpose Ink

UV-21 Direct Color Systems®

Chromasphere Fx
Flexible Ink

- ➔ Unlock the potential of ad-specialty and promotional items with the UV-21MP. A real industrial-grade system designed for small to intermediate production.
- ➔ 24" x 18" (6cm x 46cm) vacuum table has space for anything from a layout of small promotional items to medium sized signage with a maximum material height of 7" (18cm) allows for an array of larger objects just waiting to be customized.
- ➔ Advanced printing technology delivers unmatched precision and vibrant colors every time. White and Varnish add to the range of creative possibilities.
- ➔ The range of DCS specialized application technologies allow for ADA and Braille and highly textured prints for high-impact prints in promo or decor applications. The UV-21MP is rotary printing ready with an easy-to-install EasyCyl rotary adapter. Everything you need for promotional items, signage and ADA/Braille in one powerhouse printer.

CHROMASPHERE™
PRINT TECHNOLOGY



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UV-21MP

SPECIFICATIONS

REQUIREMENT	SPECIFICATIONS		
Print Heads	Chromasphere Print Technology Printheads, Piezo Inkjet, 5-12 pL Variable Drop Greyscale		
Resolution	720x600dpi / 720x900dpi / 720x1200dpi / 720x2400dpi		
Ink Sets	4 Color CMYK Printing, White & Varnish, 500 ml Direct Pour Ink Tanks		
Printer Size	1503mm x 864mm x 1050mm / 59" x 34" x 41.3"		
Crated Dimensions	1640mm L x 990mm W x 1130mm H / 65" L x 39" W x 45" H		
Vacuum Table	Integrated Vacuum Table for Maximum Substrate Hold-down		
Printer Weight	Printer Weight 166kg / 367lbs Crated Weight 195kg / 430lbs		
Printer Max Image	61cm x 46cm / 24" x 18"		
Printer Max Substrate	62cm x 55cm/24.4" x 21.6"		
Material Height Max.	18cm / 7"		
Max Substrate Weight	8kg / 17.6lbs		
Warranty	1 Year Limited Warranty		
Software	Color Byte 12 with Compass Feature and Printer Control Software		
Power Requirements	220-240VAC 50 / 60HZ 20A Max Single Phase Circuit		
Environmental	68°F - 77°F / 20°C - 25°C - 40%-70% Rel. Humidity, 40%-60% Optimal		
Print Speeds	Color	1200dpi	29.5 ft²/Hr (2.7m²/Hr) Full bed
	Color/White	1200dpi	24 ft²/Hr (2.3m²/Hr) Full bed
	Texture	1200dpi 2/2	6 ft²/Hr (.5 m²/Hr) Full bed
	ADA	1200dpi 4/4	3.3 ft²/Hr (.3 m²/Hr) Full bed
Cylindrical Print Option	EasyCyl - Diameter 35mm to 150mm / 1.38" to 5.9"		



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- Chromasphere Print Technology is a holistic approach to print system design. With ink formulated for optimal performance, precision-engineered Stainless Steel print heads, and a closed-loop ink delivery system, the MP Series ensures spectacular results with every print.
- 1680 nozzles per print head, delivering precise, high-resolution, consistent drops.
- Recirculation system keeps white inks in suspension, maintaining their viscosity and ensuring the brightest, most opaque whites that UV Inkjet printing demands.
- Bulk-load ink tanks allow you to add ink on the fly, reducing time & eliminating ink cartridge waste.
- Without the need for capping stations and dampers found in gravity-fed systems, the UV-32 is a robust, production-ready UV print solution.

Note: Speeds are substrate dependent. Print times may vary dependant on print mode configuration. All substrates should be tested for image receptivity, adhesion and durability with final acceptance and suitability determined by the customer. 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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