Direct Color Systems®

SMALL-FORMAT UV LED FLATBED PRINTERS

VERSATILE, SMALL-FORMAT SOLUTIONS WITH INDUSTRY-LEADING CAPABILITIES

FEATURING INLINE PRINTING | ADA-COMPLIANT/BRAILLE SIGNAGE | CYLINDRICAL PRINTING

UVMVP Classic

UNMATCHED CAPABILITIES

>> TEXTUR3D™ 3-dimensional prints for a unique look and feel, plus standard flat prints

>> Produces ADA-compliant/Braille signage (Patented)

>> Cylindrical + Conical* object and bottle printing made easy with the EasyCyl attachment

>> Printable area: up to 10" x 24" (254mm x 610mm)

>> Models vary with fully adjustable heights to accommodate substrates from 0" to 6" (152mm) and 15" (381mm)

>> Print on wood, metals, ceramic tiles, plastics, glass, industrial parts, promotional products and so much more!

>> F6T Editions capable of printing directly to light & dark colored t-shirts and garments (patent pending)

>> All printers that are part of the MVP Classic program are factory refurbished.

LCD TOUCH SCREEN PROVIDES INTERACTIVE, ON-DEMAND PRINTER STATUS AND INK LEVELS

OPTIMIZE YOUR PRODUCTION

>> Inline printing – print any combination of white, color and clear print head channels simultaneously, inline, in a single pass

>> Bulk Ink System™ – Unlike single-use cartridges, this system allows for 100% utilization of available ink

>> White Ink Circulation System – Programmable and automatic circulation of the entire white ink tank and lines

>> ACS™ – UV print head anti-cure system

>> LED sensors automatically adjust head height to reduce print head strikes
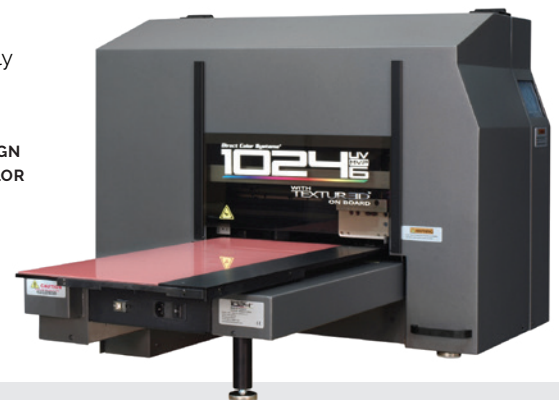
>> Made in the USA – distributed globally

INCLUDED RIP 10 SOFTWARE INTEGRATES SEAMLESSLY WITH INDUSTRY-STANDARD DESIGN PROGRAMS (PHOTOSHOP®, ILLUSTRATOR®, COLOR BYTE, CORELDRAW®)

*Limitations apply with conical printing.

SUPREME PRINT QUALITY

>> Y-axis absolute positioning accuracy and repeatability of ±0.0015" (.038mm) when utilizing the Y-axis Heavy-Duty Direct Drive Module

>> Precision Dot Control™ provides industry-leading print quality

>> White UV ink creates a very opaque image, allowing you to print vibrant colors onto virtually any colored or transparent substrate

>> UV LED inks offer outstanding solvent and abrasion durability – 6-color ink set, including clear and white

ALL MODELS ARE AVAILABLE IN STANDARD IR2 OR F6T EDITIONS
ECONOMICAL HEAD REPLACEMENT COST | ALL MVP CLASSIC PRINTERS ARE FACTORY REFURBISHED

DIRECT JET MVP CLASSIC UV LED PRINTER SPECIFICATIONS

IMAGING PROCESS	On-demand inkjet (Micro Piezo) 8-channel head with 180 nozzles/inch/channel
RESOLUTION	Draft Modes[1]: 360 x 360, 720 x 360, 720 x 720 dpi / Production Modes[2]: 1440 x 720, 1440 x 1440, 2880 x 1440, 5760 x 1440 dpi
INK DROPLET SIZE (MINIMUM / MAXIMUM)	1.5 picoliters / 21 picoliters
INK COLORS	C, M, Y, K, Cl, Cl, W, W (Cl=Clear, W=White)
BULK INK SYSTEM™	Refillable 300ml tanks
PRINT SPEED[3]	1:10 to produce a bi-directional 8" x 10" (203mm x 254mm) image at 1440 x 720 dpi / High Speed 3:06 to produce a bi-directional 10" x 24" (254mm x 610 mm) image at 1440 x 720 dpi / High Speed
Y-AXIS ABSOLUTE POSITIONING ACCURACY & REPEATABILITY	±0.0015" (.038mm)[4]
PRINT DIRECTION	Uni- and bi-directional
MAXIMUM PRINT SIZE	1024UVMVP15, 1024UVMVP6: 10" x 24" (254mm x 610mm)
MAXIMUM SUBSTRATE SIZE	1024UVMVP15, 1024UVMVP6: 13" x 25" (330mm x 635mm)
MAXIMUM SUBSTRATE WEIGHT	10 lbs. (4.5 kg). Optional heavy-duty Direct Drive Stepper Module increases maximum substrate weight to 30 lbs. (13.6 kg)
Z-AXIS (DEPTH/THICKNESS CONTROL)	1024UVMVP15: 0" to 15" (381mm) / 1024UVMVP6: 0" to 6" (152mm) Fully adjustable with automatic LED sensing technology.
MEDIA	Prints to a variety of substrates[5] using the DCS Multisolve LED UV IR2 or IRF6(T) ink set, including (but not limited to) plastic, glass, wood, ceramic, metal, etc. IRF6(T) ink prints to t-shirts, belts, bags and more. [6]
CONTROL PANEL	3.5" (89mm) Color LCD Touch Screen Display
INTERFACE	Hi-speed USB 2.0
WINDOWS OPERATING SYSTEM	Windows 7 (32 & 64 bit), Windows 8 (32 & 64 bit) or Windows 10 (32 & 64 bit)
SYSTEM MINIMUM REQUIREMENTS	CPU of >3GHz, 8GB RAM, 100 GB free hard disk space and 4 available USB 2.0 ports
POWER SOURCE	100-240 VAC, 50-60 Hz., 4 A auto switching
OPERATING STANDING AND STANDBY TEMPERATURE	60°F to 80°F (16°C to 26°C)
HUMIDITY	Non-condensing 20%-80%
DIMENSIONS	1024UVMVP6: Depth 31.8" (806.7mm) x Height 25.5" (647mm) x Width 48.8" (1239.4mm). Height of 40.8" (1036mm) when cover is fully opened. 1024UVMVP15: Depth 31.8" (806.7mm) x Height 33.9" (861mm) x Width 48.8" (1239.4mm). Front cover is removable for service accessibility.
WEIGHT	1024UVMVP15: 241 lbs. (109 kg) / 1024UVMVP6: 231 lbs. (104 kg)
OPTIONAL ACCESORIES	EastCyl, Vacuum Table, ADA/Braille Module, DTG, Automated URL Design.
WARRANTY	12 Month factory, parts only warranty.
RIP	Color Byte RIP 10 software allows input from Photoshop®, Illustrator®, CorelDRAW® and Color Byte
INK AND MEDIA	Available through Direct Color Systems and authorized dealers / distributors

Compliant with patents: directcolorsystems.com/patents/

[1] Substrate dependent. [2] Substrate dependent. [3] Print times may vary dependent on computer configuration. [4] When utilizing the Y-axis Heavy-Duty Direct Drive Module. [5] All substrates and textiles/fabrics should be tested for image receptivity, adhesion and durability, with final acceptance and suitability determined by the customer. [6] Some materials may require the use of an adhesion promoter or a chemical wipe prior to printing to promote adhesion. [7] To prevent contamination of the ink system, operators of the machine must only use the compatible ink specified for each machine. Failure to do so will harm the machine and void the warranty.

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.

DTG Note: When printing to shirts, fabrics, or garments that require a white under base of ink, most materials must be prepped with water prior to printing. When ordering any F6T, F6, or F4 printer model for DTG applications, DCS recommends a pretreatment machine for accurate application of water prior to printing. The DCS applications lab uses and recommends the VIPER XPT-1000 (http://www.viperxpt.com) or the COBRA Pretreat Machine (https://cobradtg.com). Please also note that a heat press is required for DTG applications with any F6T, F6, or F4 printer model. Please review the latest 'Before You Buy: DTG Printing with DCS UV LED Printers' .pdf for complete details. All textiles/fabrics should be tested for image receptivity, adhesion, and durability with final acceptance and suitability determined by the customer. The 'Application Guide DTG Printing' .pdf will provide instructions and suggestions on process steps or software changes once customers want to try and test new shirts (outside of those garments/shirts that DCS recommends in the 'Before You Buy' .pdf).

F6T EDITION
NOW AVAILABLE
With IRF6(T) inks, cracking and peeling of prints is eliminated or minimized on flexible items[7].

Color Byte RIP v10

Calibrated for
Multisolve Inks

easyCYL Compatible

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