



E3 SYSTEMS LTD.

YOUR ONE STOP MARKING AND DECORATING SOLUTION PROVIDER SINCE 1975



CFIB



DJ-1014/1024

Direct Jet Direct-To-Substrate UV Ink Jet Printer

The Direct Jet 1014UV and 1024UV printers from Direct Color Systems are unique offerings within the small-format direct-to-substrate UV flatbed market. These new UV printers are extremely versatile, offering large table sizes and height allowances at a very economical price point. They produce incredible crisp text and vibrant, full-color images with outstanding solvent and abrasion durability on a wide variety of substrates, from wood and stainless steel to ceramic tiles, plastics and glass. The Direct Jet printers' white ink creates a very opaque image, allowing users to print onto virtually any coloured substrate and produce amazing, bright colours with white under base. The white ink is also extremely user-friendly. It is stationed cartridges on top of the print head remaining in constant motion to correctly maintain the white pigment in suspension. Contact E3 Systems today for additional information, to receive custom samples or to schedule a demonstration.

Direct Jet 1014UV and 1024UV Features

- Optimized resolution of up to 5760 dpi
- UV LED 6-color ink set, including clear and white
- Maximum printable size 10" x 24" (254mm x 610mm) or 10" x 14" (254mm x 356mm)*
- Accepts substrate thickness up to 6" (152mm) or 4" (102mm)*
- Lead screw Y-axis motion control
- LED automatic head height adjustment
- Economical head replacement cost
- Made in the USA

*Model dependent

Direct Jet inkjet UV printers allow you to print crisp text and vibrant, full-color images using UV inks. Our UV LED inks are very flexible and won't crack or flake off, even in very flexible vinyl applications.

Our breakthrough UV technology addresses durability issues related to abrasion and solvents and also provides more effective, opaque white ink performance. This UV printing process is great for a very wide variety of commercial and industrial applications including: signage, badges, plaques and awards, ad specialty items, promotional, golf balls, hockey pucks, OCR applications with fine details, computer, military, aviation and much, much more!



Aluminum / Stainless Steel



Rubber



Glass



Wood



Stone



Plastic



DIRECTJET 1024UV



PRINTER SYSTEM INCLUDES:

- 1 -Direct Jet UV Printer with Color Byte Rip Pro 8
- 1 -Tacky Hold Down Matt
- 2 -Set of 8 UV Opaque Ink Cartridges
- 1 -Direct Jet Cleaning Kit
- 1 -Capping Station
- 1 - Multisolve Wash UV-LED 1 -liter
- 1 each -200 ml Black, White, Yellow, Magenta, Cyan, Clear
- 1 - LED UV Wipe Adhesion Promotor - 200 ml
- 1 - UV Direct Jet Marketing Sample Kit

Ask us for complete package pricing which includes printer system, delivery, set-up of printer and software and training.

DIRECT JET 1014UV and 1024UV SPECIFICATIONS

Imaging Process	On-demand inkjet (Micro Piezo) 8-channel head with 180 nozzles/inch/channel
Resolution	Draft Modes ¹ 360 x 360, 360 x 720 / Production Modes ² 720 x 720, 720 x 1440, 1440 x 1440, 1440 x 2880 dpi, 1440 x 5760 dpi
Minimum/Maximum Ink Droplet Size	1.5 picoliters / 21 picoliters
Ink Colors	C, M, Y, K, W, W, CI, CI (CI=Clear, White)
Ink Supply	Individual 14ml refillable cartridges with intelli-smart technology. Available with Multisolve™ LED UV IR2 pigmented UV-stable inks in 200ml bottle
Print Speed³	2.25 minutes to produce a bi-rectional 8" x 10" (203mm x 254mm) image at 1440 x 1440 dpi
Print Direction	Uni- and Bi-Directional
Maximum Print Size	1014UV: 10" x 14" (245mm x 355mm) 1024UV: 10" x 24" (254mm x 610mm)
Maximum Substrate Size	1014UV: 13" x 14" (330mm x 355mm) 1024UV: 13" x 24" (330mm x 610mm)
Maximum Substrate Weight	10 lbs. (4.5 kg); Heavier weights possible with special order requirements
Z-Axis (Depth/Thickness Control)	1014UV: 4" (101mm) 1024UV: 6" (152mm) Automatic LED sensing technology
Media	Prints to a variety of substrate ⁴ using the DCS Multisolve LED UV IR2 ink set including (but not limited to) plastic, glass, wood, ceramic, stainless steel, etc. ⁵
Control Panel	8-button membrane switch
Interface	Hi-speed USB 2.0
Windows Operating System	XP, Vista and Windows 7 (32 & 64 bit)
System Requirements	CPU of >2GHz, >2GB RAM, 40 GB free hard disk space and two available USB 2.0 ports
Power Source	100-240 VAC, 50-60 Hz., 4 A auto switching
Operating Temperature	60°F to 85°F (16°C to 29°C)
Humidity	Non-condensing 20% - 80%
Dimensions	1014UV: Depth 33" (838mm) x Height 23" (584mm) x Width 38" (965mm) 1024UV: Depth 33" (838mm) x Height 23" (584mm) x Width 48" (1,219mm)
Weight	1014UV: 148 lbs. (67 kg) 1024UV: 179 lbs. (81 kg)
Agency Listing	FCC, CE and BV pending
Warranty	Printer 1-year limited warranty
Options	Color Byte RIP Pro software and accessories
Ink and Media	Available through E3 Systems Ltd.

¹Substrate Dependant. ²Substrate Dependant. ³Print times may vary dependant on computer configuration. ⁴All substrate should be tested for image receptivity, ink adhesion, with final acceptance and suitability determined by customer. ⁵Some materials may require the use of chemical wipe prior to printing to promote ink adhesion. This date sheet is for information purposes only. E3 Systems makes no warranties, expressed or implied in this summary. Specifications are subject to change without notice. This is not an offer for sale.

NOTE ABOUT WHITE INK: White Ink contains Titanium Dioxide, which will settle out of the ink over a period of time. If the printer has been resting for 6 hours or more, E3 Systems recommends that the white ink cartridge be removed, shaken and reinstalled to ensure that the white pigment is properly mixed back into the ink before use.



UV LED Light Caution: You are dealing with an LED UV light source that may harm your health. Do Not look directly into the UV light source or expose your hand or any part of your body/skin directly to the UV LED light source.

UV Ink Caution: LED UV inks contain mild skin irritants in their liquid form. Always wear safety goggles and gloves when handling the liquid LED UV ink. There may be some VOCs emitted from the uncured inks during and after the printing process that could slightly irritate the nose, eyes and throat. If the printer is running in a small confined area, the VOCs could build up and increase the irritation. E3 Systems strongly recommend that the printer be operated in a well ventilated area to keep the VOCs to a minimum.

PRICES SUBJECT TO CHANGE AND SUBJECT TO E3 SYSTEMS FINAL WRITTEN APPROVAL - PRICES BASED UPON TOTAL PURCHASE - ALL DELIVERY, TRAINING SERVICES TO BILLED AT PUBLISHED RATES UNLESS OTHERWISE SPECIFIED - ALL HARDWARE COMPONENTS PROPOSED ABOVE ARE COVERED BY A LIMITED ONE YEAR WARRANTY, COVERING PARTS AND LABOUR ON A DEPOT BASIS. E3 SYSTEMS SHALL NOT BE LIABLE FOR ANY LOSS OF PROFITS, BUSINESS, FITNESS OF PURPOSE, DAMAGES RELATED TO THIS AGREEMENT, MINIMUM 15% RESTOCKING FEE WITH ORIGINAL PACKAGING.



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