Direct Color Systems®

DIRECTJET 1014 UV
DIRECTJET 1024 UV

got uv?

The Direct Jet 1014UV and 1024UV printers from Direct Color Systems® are unique offerings within the small-format UV flatbed market. These new UV printers are extremely versatile, offering large table sizes and height allowances at an economical price point. They produce incredibly crisp text and vibrant, full-color images with outstanding solvent and abrasion durability on a 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 colored substrate and produce amazing, bright colors with a white under base. The white ink is also extremely user friendly. It is stationed in cartridges on top of the print head, remaining in constant motion to correctly maintain the white pigment in suspension. Contact DCS or your nearest Authorized Representative 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
- Optional Y-axis Direct Drive Stepper Module allows for pinpoint drive accuracy and repeatability for loads up to 20 lbs. (9.1 kg)
- Economical head replacement cost
- Advanced Color Byte RIP 9 software
- LED sensors automatically adjust head height to reduce print head strikes
- Made in the USA

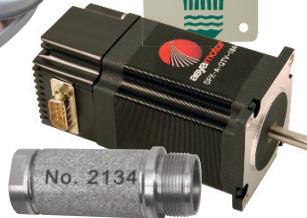 * Model dependent

Calibrated for
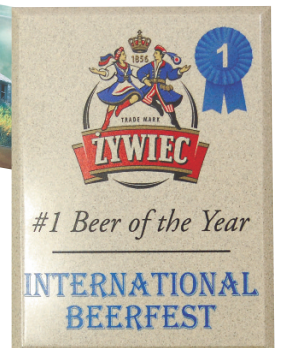
Multisolve™ Inks

Rubber

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Linda Hendricks

In appreciation for your continued support and devotion to The University Of Chicago.

Wood

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DIRECTJET 1024 UV

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Stone

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, 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	Y, M, C, K, Cl, Cl, W, W (Cl=Clear, W=White)
Ink Supply	Individual 14ml refillable cartridges with intelli-smart technology. Available with Multisolve™ LED UV IR2 pigmented UV-stable inks in 200ml & 500ml bottles.
Print Speed[3]	2:09 to produce a bi directional 8" x 10" (203mm x 254mm) image at 1440 x 1440 dpi / Production Speed 5:55 to produce a bi directional 10" x 24" (254mm x 610mm) image at 1440 x 1440 dpi / Production Speed
Y-Axis Absolute Positioning Accuracy & Repeatability	1014UV: ±0.0075" (±0.1905mm)[6] 1024UV: ±0.005" (±0.127mm)[6]
Print Direction	Uni- and bi-directional
Maximum Print Size	1014UV: 10" x 14" (254mm x 355mm) / 1024UV: 10" x 24" (254mm x 610mm)
Maximum Substrate Size	1014UV: 13" x 14" (330mm x 355mm) / 1024UV: 13" x 25" (330mm x 635mm)
Maximum Substrate Weight	1014UV: 5 lbs. (2.2 kg) / 1024UV: 10 lbs. (4.5 kg) or 20 lbs. (9.1 kg) with optional Y-axis Direct Drive Stepper Module
Z-Axis (Depth/Thickness Control)	1014UV: 4" (101mm) / 1024UV: 6" (152mm) Automatic LED sensing technology
Media	Prints to a variety of substrates[4] using the DCS Multisolve LED UV IR2 ink set, including (but not limited to) plastic, glass, wood, ceramic, metal, etc.[5]
Control Panel	8-button membrane switch
Interface	Hi-speed USB 2.0
Windows Operating System	Windows 7 (32 & 64 bit) and Windows 8 (32 & 64 bit)
System Minimum Requirements	CPU of >2GHz, >4GB RAM, 40 GB free hard disk space and 2 available USB 2.0 ports
System Recommendations	Dual-core CPU of >3GHz, 8GB RAM, 100 GB free hard disk space and 2 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 33.2" (842.3mm) x Height 24.2" (614.3mm) x Width 32.4" (822.6mm) 1024UV: Depth 33.2" (842.3mm) x Height 24.2" (614.3mm) x Width 47.4" (1204.6mm)
Weight	1014UV: 155 lbs. (70kg) / 1024UV: 175 lbs. (79kg)
Agency Listings	CE
Warranty	Printer 1-year limited warranty
Options	Y-axis Direct Drive Stepper Module and accessories
Ink and Media	Available through Direct Color Systems and authorized distributors

[1] *Substrate Dependant.*

[2] *Substrate Dependant.*

[3] *Print times may vary dependant on computer configuration.*

[4] *All substrates should be tested for image receptivity, with final acceptance and suitability determined by the customer.*

[5] *Some materials may require the use of a chemical wipe prior to printing to promote adhesion.*

[6] *When utilizing the Y-axis Heavy-Duty Direct Drive Module.*

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.

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, DCS 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. DCS strongly recommends that the printer be operated in a well ventilated area to keep the VOCs to a minimum.*

www.**DirectColorSystems**.com
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