

Direct Color Systems®

The Direct Jet 1309, 1314 and 1324 solvent printers from Direct Color Systems offer unlimited customization at amazing speeds. The print head and capping station in the Direct Jet 1300 series are solvent resistant. The print head also has an ink-repelling coating to ensure consistent, reliable printing. The printers come with an inkset that include CMYK, white and clear. Our Multisolve™ inks provide vibrant, full-color imaging in a single pass. Create added durability with the clear ink option. The Direct Jet 1300 series will print to a variety of substrates including porous tile, PVC, aluminum, wood, acrylic and our own InkMark™ substrates*. Contact DCS or your nearest Authorized Representative today for additional information, to receive custom samples or to schedule a demonstration.



Direct Jet Solvent Features

- Optimized resolution of up to 5760 dpi
- No pre-coating or undercoating needed
- 8 chamber print head (CMYKWWCICI)
- Complete RIP and print profile options
- White and clear ink options
- 180 nozzles/chamber
- Table size of 13" x 9" (330mm x 228mm), 13" x 14" (330mm x 355mm) or 13" x 24" (330mm x 609mm)
- Accepts substrates as thick as 2" (50mm), 3" (76mm) or 6" (152mm)
- Made in the USA



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

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www.DirectColorSystems.com

Made in the USA. Distributed Globally.



Direct Jet 1309, 1314 and 1324 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, W, W, Cl, Cl (W=White, Cl=Clear)
Ink Supply	Individual 14ml refillable cartridges with intelli-smart technology
Print Speed ³	2:15 to produce a bi-directional 8" x 10" (203mm x 254mm) image at 1440 x 1440 dpi 4:00 to produce a bi-directional 13" x 14" (330mm x 355mm) image at 1440 x 1440 dpi 6:15 to produce a bi-directional 13" x 24" (330mm x 609mm) image at 1440 x 1440 dpi
Y-Axis Absolute Positioning Accuracy & Repeatability	1309 & 1314: ±0.0075" (±0.1905mm) when utilizing the optional Y-axis Heavy-Duty Direct Drive Module 1324: ±0.003" (±0.076mm) when utilizing the optional Y-axis Heavy-Duty Direct Drive Module
Print Direction	Uni- and bi-directional
Maximum Print Size	1309: 13" x 9" (330mm x 228mm) / 1314: 13" x 14" (330mm x 355mm) / 1324: 13" x 24" (330mm x 609mm)
Maximum Substrate Size	1309: 13" x 10" (330mm x 254mm) / 1314: 13" x 15" (330mm x 381mm) / 1324: 13" x 25" (330mm x 635mm)
Maximum Substrate Weight	1309 & 1314: 5 lbs (2.2 Kg) / 1324: 10 lbs. (4.5 kg) or 20 lbs. (9.1 kg) with optional Y-axis Heavy-Duty Direct Drive Module
Z-Axis (Depth/Thickness Control)	1309: 2" (51mm) / 1314: 3" (76mm) / 1324: 6" (152mm) Automatic LED sensing technology
Media	Prints to a variety of substrates ⁴ including (but not limited to) plastic, metal, wood, stone, glass, etc. when using our Multisolve™ inks.
Control Panel	10-button membrane switch
Interface	Hi-speed USB 2.0
Windows Operating System	Vista and Windows 7 (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., 120VAC/2A, 240VAC/1A
Operating Temperature	50°F to 95°F (10°C to 35°C)
Humidity	Non-condensing 20%-80%
Dimensions	1309: Depth 28" (711mm) x Height 15" (381mm) x Width 24" (609mm); Width max. 28" (711mm) ⁵ 1314: Depth 27" (686mm) x Height 18" (457mm) x Width 38" (965mm); Width max. 40" (1016mm) ⁵ 1324: Depth 27" (686mm) x Height 21" (533mm) x Width 48" (1219mm); Width max. 62" (1575mm) ⁵
Weight	1309: 108 lbs. (49kg) / 1314: 118 lbs. (53.5kg) / 1324: 147 lbs. (66.7kg)
Agency Listings	FCC, CE and BV
Warranty	Printer 1-year limited warranty
Options	Color Byte RIP 8 Pro software 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, adhesion and durability, with final acceptance and suitability determined by the customer. ⁵ Total table travel distance.

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.

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