Direct Color Systems® 1800s

SMALL-FORMAT UV LED FLATBED PRINTERS

➔ Unmatched Capabilities

- TEXTUR3D™ 3-dimensional prints for a unique look and feel.

- Produces ADA-compliant/Braille signage using DCS patented process.

- Cylindrical & conical object and bottle printing made fast with the EasyCyl™ attachment option.

- 304mm x 610mm (12" x 24") printable area.

- Two models allow for Substrate heights of 15cm (6") & 35cm (15")

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

- F6T Edition capable of printing directly to light & dark colored t-shirts & garments (Patent Pending)
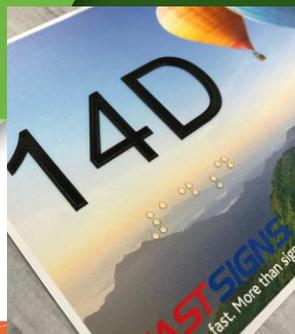
➔ Superior Print Quality

- Y-axis absolute positioning accuracy & repeatability of ± .038mm (0.015")

- UV LED inks offer outstanding solvent and abrasion durability

- Precision Dot Control™ for industry-leading print quality

➔ Optimized Performance

- Inline printing - print any combination of white, color & clear simultaneously, inline in a single pass.

- Bulk Ink System™ allows for 100% utilization of ink.

- White ink circulation system

- LED sensors automatically reduces print head strikes

- ACS™ - UV print head anti-cure system

Made in the USA - Distributed Globally

SPECIFICATIONS — 1800S15/1800S35

IMAGING PROCESS	On-demand inkjet (Micro Piezo) 8-channel head with 180 nozzles/inch/channel
RESOLUTION	Text & Graphics[1]: 720X720 Production[1]: 720X1440, 1080X1440 / Quality[2]: 1440X1440, 2880X1440, 5760X1440
INK DROPLET SIZE (MINIMUM / MAXIMUM)	1.5 picoliters / 21 picoliters
INK COLORS	Yellow, Magenta, Cyan, Black, 2x White, 2x Clear
INK DELIVERY SYSTEM	Bulk Ink System™ User refillable 300mL Tanks (1800s15c - 15mL Fillable Cartridges)
PRINT SPEED[3]	1:28 to produce a bi-directional 8" x 12" (203mm x 304mm) image at 1440 x 720 dpi / High Speed 3:11 to produce a bi-directional 12" x 24" (304mm x 610 mm) image at 1440 x 720 dpi / High Speed
Y-AXIS ABSOLUTE POSITIONING ACCURACY & REPEATABILITY[4]	±0.038mm // ±0.0015"
MAXIMUM PRINTABLE AREA[5]	304.8mm x 609.6mm // 12" x 24" for all standard print modes.
MAXIMUM SUBSTRATE SIZE	330.2mm x 660.4mm // 13" x 26" // Maximum Substrate Weight: 13.6kg (30lbs)
Z-AXIS (DEPTH/THICKNESS CONTROL)	1800s15: 0cm to 15cm (6") // 1800s35: 0cm to 38cm (15")
MEDIA	Prints to a variety of substrates[6] using 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.[7]
CONTROL PANEL	89mm (3.5") Color LCD Touch Screen Display
INTERFACE	Hi-speed USB 2.0
WINDOWS OPERATING SYSTEM	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	16°C - 26°C (60°F - 80°F)
HUMIDITY	Non-condensing 20%-80%
OPTIONAL ACCESSORIES	EasyCyl, Vacuum Table, ADA/Braille Module, Texture3D Module, DTG Platen, DTF Films (ea. Clear, Gold, Silver), Automated URL Design
WEIGHT	1800s35: 230 lbs. (104 kg) / 1800s15: 220 lbs. (100 kg)
DIMENSIONS	1800s15, 1800s35: 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. 1800z35: Depth 31.8" (806.7mm) x Height 33.9" (861mm) x Width 48.8" (1239.4mm). Front cover is removal for service accessibility.
WARRANTY	Printer 1-year limited warranty
RIP	Color Byte RIP 10

All Models are Available in Standard IR2 or F6T Editions

Quality Management ISO 9001:2015
www.dekra-aed.com
DEKRA certified

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