

WIDE-FORMAT UV LED FLATBED PRINTERS

AVAILABLE IN STANDARD IR2 OR F6T EDITIONS
ECONOMICAL HEAD REPLACEMENT COST | ADJUSTABLE POWER OUTPUT FOR BOTH UV LED LAMPS

DIRECT JET 7200z UV LED PRINTER SPECIFICATIONS

IMAGING PROCESS	On-demand inkjet (Micro Piezo) 10-channel print head with 360 nozzles/inch/channel
RESOLUTION*	Draft: 360x360 / Text & Graphics: 360x720, 720x360 / Production: 720x720, 720x1440 / Quality: 1080x1440, 1440x1440, 2880x1440, 2880x2880
INK DROPLET SIZE (MINIMUM / MAXIMUM)	3.5 picoliters / 21.8 picoliters
INK COLORS	C, M, Y, K, Cl, Cl, Wh, Wh, Wh, Wh (Cl = Clear, Wh = White)
BULK INK SYSTEM™	User refillable 300ml tanks
PRINT SPEED*	29.7m /hr // 320 ft /hr - Draft Mode (360x360 Bi) 19m /hr // 205 ft /hr - Text & Graphics Mode (360x720 Bi)
Y-AXIS ABSOLUTE POSITIONING ACCURACY & REPEATABILITY	±0.038mm // ±0.0015"
PRINT DIRECTION	Uni- and bi-directional
MAXIMUM PRINTABLE AREA	600mm x 1.200mm // 23.8" x 48"
MAXIMUM SUBSTRATE SIZE	660mm x 1.270mm // 26.0" x 50.0" Larger substrates may be printed as the printer is open on 3 sides of the table. All substrates should be tested.
MAXIMUM SUBSTRATE WEIGHT	113 kg // 250 lbs.
Z-AXIS (DEPTH/THICKNESS CONTROL)	7200z15: Fully adjustable from 0cm to 15cm // 0" to 6" 7200z30: Fully adjustable from 0cm to 29cm // 0" to 11.5"
MEDIA	Prints to a variety of substrates* using the DCS Multisolve LED UV IR2 or IRF6(T) ink, incl. (but not limited to) plastic, glass, wood, ceramic, metal, etc.†
CONTROL PANEL	89mm // 3.5" Detachable pendant LCD touch screen display
INTERFACE	Hi-speed USB 2.0
UV CURING SYSTEM	Two individually controlled, air-cooled, UV LED lamps
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 ports
POWER SOURCE	100-240 VAC, 50-60 Hz., 20A (Input Voltage must be specified at the time of order)
OPERATING STANDING AND STANDBY TEMPERATURE	16°C to 26°C // 60°F to 80°F
HUMIDITY	Non-condensing 20%-80%
OPTIONAL ACCESSORIES	EasyCyl 7200 Vacuum Table, Patented ADA/Braille signage module Automated URL design, eCommerce, & download to RIP
WEIGHT	Approx. 635kg // 1,400lbs.
DIMENSIONS	Depth 2,337mm // 92" x Height 1,626mm // 64" x Width 1,575mm // 62"
WARRANTY	Printer 1-year limited 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: directcolor.com/patents/

*Substrate dependent. †Print times may vary dependent on computer configuration. ‡24.00" can be achieved under certain circumstances. †All substrates and textiles/fabrics should be tested for image receptivity, adhesion and durability, with final acceptance and suitability determined by the customer. ‡Some materials may require the use of an adhesion promoter or a chemical wipe prior to printing to promote adhesion.

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).

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7200z COMPATIBLE

Direct Color Systems®

WIDE-FORMAT UV LED FLATBED PRINTERS

A TRUE PRODUCTION CENTER

FEATURING EASYCYL 7200-CYLINDRICAL PRINTING | ADA-COMPLIANT/BRILLE SIGNAGE PRINTING



BEST IN CLASS AUTOMATION & THROUGHPUT

- >> Max print speeds up to 29.7m²/hr // 320 ft²/hr
- >> Vacuum table option available
- >> Automated URL design, eCommerce, & download to RIP option
- >> Two individually controlled, air-cooled, UV LED lamps and 10 ink channels (C, M, Y, K, Cl, Cl, Wh, Wh, Wh, Wh) combine to enhance print speed
- >> Mobile touch screen pendants allow users to operate printer from multiple points



THE MOST VERSATILE PRINTER AVAILABLE

- >> TEXTUR3D™ 3-dimensional prints for a unique look and feel, plus standard flat prints
- >> Patented ADA-compliant/Braille signage option
- >> Cylindrical & conical* object printing made easy with the EasyCyl 7200 attachment
- >> F6T Editions capable of printing directly to light & dark colored t-shirts and garments (patent pending)
- >> Printable area: up to 600mm x 1,200mm // 23.8" x 48.0"
- >> Models vary with fully adjustable heights to accommodate substrates from 0 to 15cm // 0 to 6" (7200z15) and 0 to 29cm // 0 to 11.5" (7200z30)
- >> Print on wood, metals, ceramic tiles, plastics, glass, industrial parts, promotional products and so much more!†

* Limitations apply with conical printing

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

THE BEST IN UV PRINTER TECHNOLOGY

- >> Industry leading Y-axis absolute positioning accuracy and repeatability of ±0.038mm // ±0.0015"
- >> Precision Dot Control™ provides industry leading print quality
- >> White Ink Circulation System – Programmable and automatic circulation of the entire white ink tank and lines
- >> Bulk Ink System™ – This system allows for 100% utilization of available ink, unlike single-use cartridges
- >> Made in the USA – distributed globally



TIME TRIAL CASE STUDIES

A TRUE PRODUCTION CENTER

PRINT TIMES

A TRUE PRODUCTION CENTER

WATER BOTTLES



Color Only

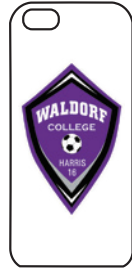
Time Per Piece
38 sec
Pieces Per Week
3,790
Image Print Size
5" x 5"
Resolution
1080x1440
Ink Cost Per Piece
\$0.03

White & Color

Time Per Piece
76 sec
Pieces Per Week
1,895
Parts Per Attachment
3
Print Direction
Bi
Ink Cost Per Piece
\$0.03



PHONE CASES



Color Only

Time Per Piece
4.5 sec
Pieces Per Week
32,000
Image Print Size
2" x 3"
Resolution
720x1440
Ink Cost Per Piece
\$0.03

White & Color

Time Per Piece
9 sec
Pieces Per Week
16,000
Parts Per Attachment
70
Print Direction
Bi
Ink Cost Per Piece
\$0.04



USB STICKS



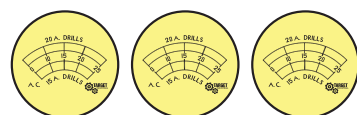
Time Per Piece
0.6 sec
Pieces Per Week
214,000
Ink Cost Per Piece
\$0.002
Image Print Size
0.15" x 1.25"
Parts Per Bed
456
Resolution
720x720
Print Direction
Bi

GOLF BALLS



Time Per Piece
3 sec
Pieces Per Week
48,000
Ink Cost Per Piece
\$0.003
Image Print Size
0.875" x 0.875"
Parts Per Bed
210
Resolution
720x1440
Print Direction
Uni

INDUSTRIAL DIALS



Time Per Piece
1 sec
Pieces Per Week
144,000
Ink Cost Per Piece
\$0.005
Image Print Size
2" x 1.875"
Parts Per Bed
444
Resolution
720x1440
Print Direction
Bi

ADA SIGNS



Time Per Piece
54 sec
Pieces Per Week
2,667
Ink Cost Per Piece
\$0.23
Image Print Size
3" x 2.675"
Parts Per Bed
144
Resolution
1080x1440
Print Direction
Bi

*Cycle times represented above have been printed and timed using default print modes but are good faith estimates only. The data represents printing times only and does not include RIP processing time. Actual times may vary based on computer speed, memory, etc.
*Ink costs are based on best value pricing per DCS's published (04/26/17) US List pricing and print modes available at the time this sheet was published (11/10/17). Ink usages are good faith estimates only. Usage will vary depending on media type, file content, cleaning cycles, frequency of use and print modes used. Actual production usage should be determined by printer owner/operator based on production environment variables.

Direct Color Systems®



www.DirectColorSystems.com

Non-Inline Color

Resolution	Bi (24"x48")	ft ² /hr	m ² /hr	Uni (24"x48")	ft ² /hr	m ² /hr
360x360	1 min 30 sec	320	29.7	2 min 8 sec	225	20
360x720	2 min 20 sec	205	19	3 min 20 sec	144	13.4
720x720	4 min 36 sec	104	9.6	6 min 35 sec	72	6.7
720x1440	7 min 20 sec	65	6	12 min 46 sec	37	3.4
1440x1440	13 min 45 sec	34	3.2	20 min 40 sec	23	2.1
2880x1440	22 min 10 sec	21	1.9	33 min 15 sec	14	1.3

*Cycle times represented above have been printed and timed using default print modes but are good faith estimates only. The data represents times only and does not include any RIP processing time or printer head clean/paper detect time. Actual times may vary based on computer speed, memory, etc.

Inline White and Color

Resolution	Bi (24"x48")	ft ² /hr	m ² /hr	Uni (24"x48")	ft ² /hr	m ² /hr
360x360	2 min 20 sec	205	19	3 min 50 sec	125	11.6
360x720	4 min 50 sec	99	9.2	7 min 15 sec	66	6.1
720x720	9 min 12sec	52	4.8	13 min 5 sec	36	3.3
720x1440	14 min 40 sec	32	2.9	25 min 32 sec	18	1.7
1440x1440	27 min 30 sec	17	1.6	41 min 15 sec	11	1
2880x1440	44 min 10 sec	10	0.9	1 hr 6 min	1	0.09

*Cycle times represented above have been printed and timed using default print modes but are good faith estimates only. The data represents times only and does not include any RIP processing time or printer head clean/paper detect time. Actual times may vary based on computer speed, memory, etc.

