



Professional Packaging Systems

2010 S. Great Southwest Parkway
Grand Prairie, Texas 75051
www.ProPac.com

Contact

Our Packaging Experts
solutions@propac.com
888-318-0083

Videojet 1580 C Contrast CIJ Continuous Inkjet Printer



At a Glance

- Soft-pigmented contrast printer performs like a dye-based printer
- New printhead design stays clean longer
- Designed to consistently print high-contrast high-quality codes that do not fade
- Integrated Wi-Fi connects to internal network for greater mobility

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

Superior Performance with Opaque Soft-Pigmented Inks

The Videojet 1580 C dedicated soft-pigmented contrast printer that performs and behaves like a standard dye-based printer.

The 1580 C printer delivers industry-first performance using opaque soft-pigmented inks, providing superior uptime and enabling you to achieve your marking and coding objectives both now and in the future.

The 1580 C has similar maintenance requirements and running time to a standard CIJ printer, due to design innovations in hydraulics, printhead, and cartridge.

Based on tried and trusted Videojet 1580 inkjet printer platform, the 1580 C has a similar design, with many of the same great features.

The 1580 C is one of the simplest CIJ printers to operate and maintain, and is designed to print consistently high-quality codes with strong contrast.

Benefits

Behaves Like a Standard CIJ Printer

The 1580 C has the same cleaning cycles and preventive maintenance requirements as a dye-based printer, and uses similar filters as the rest of the Videojet CIJ range.

Planned maintenance can take place every 5000 hours – using soft-pigmented inks doesn't require more

frequent maintenance.

A new, patented cartridge design helps reduce common problems such as pigment settling, which can create blockage and lead to printhead clogging.

A new design helps the printhead to stay clean longer, reducing production downtime and allowing for longer time between cleanings.

Maintains Code Quality and Contrast

The 1580 C was specifically designed to print codes with consistent quality and contrast that remain readable and don't fade over time.

With a new formula that reduces the settling rate, our soft-pigmented inks have been designed to deliver more uptime.

The conical mixer tank design improves ink recirculation, reducing pigment settling.

Videojet Dynamic Calibration automatically maintains superior print quality, for optimum uptime even under changing environmental conditions.

Easy to Maintain

The Videojet SIMPLiCiTY user interface delivers code assurance out of the box, with error-proofing rules that define editable fields, permissible data types, date range restrictions, and more, greatly reducing printer interactions and potential user errors.

The Videojet OPTiMiZE tool allows the 1580 C to assess a variety of printer parameters, helping to manage the ink and make-up usage, calculate future fluids forecast, and determine power wastage.

Future-Proof Connectivity

The 1580 C is ready to meet modern printing challenges and whatever the future needs of Industry 4.0 are likely to demand.

An integrated Wi-Fi antenna allows the printer to connect to an internal network and have greater mobility, with no need for LAN cables or hard wiring.

Webserver capability allows operators to access printers via supported web browsers on host computers, with up to five web server sessions allowed for each printer.

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.

Specifications

Print Heads	1
Ink	Dye based
Maximum Lines of Print	5
Maximum Line Speed	271 m/min (889 ft/min)
Environmental Protection	IP55 (Dust Kit IP65 #)
Umbilical Length	3 m (9.8 ft) optional 6 m (19.6 ft)
Message Storage Capability	More than 250 complex messages
Smart Cartridge	Included
Plug and Play Printhead Modules	Included
USB	Included
Communications	Ethernet LAN; Built-in Wi-Fi optional Cellular connectivity
Linear and 2D Bar Codes	Included
Positive Air / CleanFlow	Optional
Display (User Interface)	SIMPLICiTY based 10" color touchscreen

More Specifications

Line Speed Capability	Can print 1 to 5 lines of print at speeds of up to 889fpm (271mpm) (10 characters per inch, single line of print)
Font Matrix Configuration	Single-line: 5x5, 5x7, 7x9, 9x12, 10x16, 16x24, 25x34 Twin-line: 5x5, 5x7, 7x9, 9x12, 10x16 Tri-line: 5x5, 5x7, 7x9 Quad-line: 5x5, 5x7 Five-line: 5x5
Linear Bar Codes	UPC A&E; EAN 8 & 13; Code 128 A, B & C; UCC/EAN 128; Code 39; Interleaved 2 of 5
QR Codes	21x21, 25x25, 29x29, 33x33 Error correction mode L, M, Q or H
DataMatrix Codes	10x10, 12x12, 14x14, 16x16, 8x18, 18x18, 20x20, 22x22, 24x24, 16x26, 26x26, 8x32, 32x32, 34x34, 12x36, 16x36, 16x48

Nominal Character Height	Selectable from 0.079" (2mm) to 0.40" (10mm), depending on font
Throw Distance	Optimal: 0.472" (12mm) Range: 0.197" (5mm) to 0.591" (15mm)
User Interface	10.4" high-response TFT-LCD touch screen WYSIWYG touch to edit message editing
Custom Logo/Graphics	Can be created via optional CLARISOFT software
Character Sets	Chinese, Russian/Bulgarian, Turkish/Scandinavian, Romanian, Greek, Arabic, Japanese/Kanji, Hebrew, Korean, East European and European/American
Languages and Interface Options	English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Serbian, Simple Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish and Vietnamese
Input/Output	Product detect input Encoder input Beacon (Alarm light) output Relay output USB 2.0 (2x) Ethernet LAN Built-in Wi-Fi
Message Storage	More than 250 complex messages
Environmental Protection	IP55 standard, no plant air required, stainless steel cabinet IP65 protected electronics optional
Printhead	Heated printhead CleanFlow including positive air, no plant air required (optional) Diameter: 1.63" (41.3mm) Length: 10.62" (269.8mm)
Printhead Umbilical	Ultra flexible Length: 9.84' (3m) optional 19.69' (6m) Diameter: 0.91" (23mm) Bend radius: 4.0" (101.6mm)

Fluids Containers	Ink Smart Cartridge 0.740 qt. (700ml) Make-up Smart Cartridge 0.793 qt. (750ml)
Temperature/Humidity Range	32°F to 122°F (0°C to 50°C) 0% to 90% RH non-condensing With selected inks actual installation may require additional hardware based on production environment conditions
Electrical Requirements	Nominal supply power 100-120 / 200-240 VAC at 50/60 Hz, 70W
Approximate Weight	Unpacked and dry: 46.3lbs (21kg)
Options	Dust protection kit with CleanFlow technology Dry air kit for high humidity (requires plant air) Cellular communication RS232 connector kit (USB to Serial DIN-5 male adapter) SIMPLICiTY Workflow Modules Wide range of accessories 90 degree printhead

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