



Professional Packaging Systems

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Videojet 1880 HR Micro Character CIJ Continuous Inkjet Printer



At a Glance

- High-resolution characters at the smallest scale through optimized fonts
- 2D, QR, and track and trace coding
- Speeds up to 394 meters per minute

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.

Exceptional Micro Coding

Equipped with unique connectivity capabilities, the Videojet 1880 HR produces high-resolution characters at the smallest scale through optimized fonts, a redesigned printhead, and advanced hydraulics.

With a sustainable, low-maintenance design, this printer has been engineered to meet your needs for 2D, QR, and track and trace coding. It was developed to ensure the most reliable and consistent codes for various applications, including electronics, pharmaceuticals, cosmetics, and confectionery.

Benefits

High-Resolution Micro Codes at Optimum Quality

The Videojet 1880 HR delivers remarkable code quality down to 1.2mm in height and at speeds up to 394 meters per minute. This printer offers up to three lines of print and complex 2D codes – ideal for applications where legibility is critical and print space is limited. Combined with halogen-free electronics inks, the 1880 HR can help address industry regulatory standards.

Advanced Technology for Superior Print Quality

With its updated auto-modulation feature and advanced hydraulics, the Videojet 1880 HR compact printhead design offers optimized drop positioning and superior jet stability. It automatically adjusts the ink stream per the environmental temperature, while real-time viscosity measurements enable precise drop control at high speeds. The printer helps ensure optimal and consistent code quality for each font. It also comes with an over-molded umbilical for traversing applications, delivering superior durability.

Customized Fonts for Micro-Coding

By refining the design of printed characters, print fonts have been improved, so that the 1880 HR maintains exceptional print quality, even for micro-codes. Specialized QR code fonts allow the 1880 HR to deliver crisp, clean codes for traceability.

Planned Annual Module Replacement in Less than 5 Minutes

With color-coded, easy-to-replace Videojet SmartCell components, the 1880 HR significantly minimizes maintenance downtime and offers optimal performance with long periods between interventions and fewer necessary touches.

Proactive Alerts, Effortless Cleaning, and Fewer Touches

An innovative sensor helps to enable printhead ink build-up detection, alerting users to potential print quality issues before they escalate. The convenient auto-rinse feature ensures a hassle-free, consistent, and efficient printhead cleaning process with a simple click. This innovative system virtually eliminates ink build-up-related code clipping. This printer has an upgraded hydraulic management system, an extended make-up tank, and the added flexibility of using larger, one-liter cartridges.

Seamless Integration and Enhanced Productivity

Designed to deliver all the connectivity you need, the Videojet 1880 HR intelligent I/O capabilities offer standard industrial protocols for seamless integration into your production systems. It also takes CIJ printing performance to a higher level with built-in Wi-Fi and cellular connectivity. It provides easy, secure wireless communications, enabling VideojetConnect Remote Service to automate troubleshooting, simplify remote operation, and improve overall printer and line productivity in real-time.

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	3
Maximum Line Speed	394 m/min (1,294 ft/min)
Environmental Protection	IP55, IP66
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 and RS-232 Serial
Positive Air / CleanFlow	Included
Display (User Interface)	SIMPLICITY based 10.4 inch color touchscreen

More Specifications

Line Speed Capability	Can print 1 to 3 lines of print at speeds of up to 1,294 ft/min (394 m/min) (10 characters per inch, single line of print)
Font Matrix Configuration	Single-line: 4x5, 5x5, 4x7, 5x7, 7x9, 9x12, 10x16, 16x24 Twin-line: 4x5, 5x5, 4x7, 5x7, 7x9 Tri-line: 4x5, 5x5, 4x7, 5x7
Linear Bar Codes	UPC A&E; EAN 8 & 13; Code 128 A, B & C; UCC/EAN 128; Code 39; Interleaved 2 of 5; GS1
QR Codes	21x21, 25x25 Error correction mode L, M, Q or H
DataMatrix Codes	10x10, 12x12, 14x14, 16x16, 8x18, 18x18, 20x20, 22x22, 24x24, 12x26, 8x32, 12x36, 16x36, 16x48
Nominal Character Height	Selectable from 0.047" (1.2mm) to 0.236" (6mm), depending on font

Throw Distance	Optimal: 0.335" (8.5mm) Range: 0.197" (5mm) to 0.472" (12mm)
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, Romanian, 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 IP66 protected electronics optional
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)
Make-Up Consumption	2.6ml per hour (MEK at 20°C)
Fluids Containers	Ink and Make-up Smart Cartridge 0.793 qt (750ml); 1.06 qt (1000ml)
Temperature/Humidity range	41°F to 113°F (5°C to 45°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

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