



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 1880 UHS Ultra-High-Speed CIJ Continuous Inkjet Printer



At a Glance

- For high-speed production lines in the canning, beverage, and wire and cable industries
- Compact printhead design for optimized drop positioning
- Significantly minimized maintenance downtime

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 Print Quality and Reliability at Maximum Speed

Built on the 1880+ platform, the Videojet 1880 UHS extends its productivity and connectivity capabilities to ultra-high-speed production lines in the canning, beverage, and wire and cable industries.

Engineered to deliver exceptional code quality and unwavering printer reliability, it delivers a transformative solution where performance meets speed to revolutionize high throughput operations.

Benefits

Consistent Quality at High Speed

Engineered for your most challenging applications.

Refined design of printed characters enables impeccable performance.

Enhanced printhead helps deliver consistent print quality, even at speeds surpassing 500 m/min.

Unleash Precision and Performance

Compact printhead design for optimized drop positioning, enhanced drop control, and superior jet stability.

Updated auto modulation routines and advanced hydraulics help to ensure consistent code quality.

Over-molded umbilical for traversing applications delivers superior durability.

Simplify Routine Maintenance

Planned annual module replacement in less than 5 minutes with color-coded, easy-to-replace Videojet SmartCell components.

Long periods between interventions and fewer necessary touches for maintenance.
Significantly minimized maintenance downtime and optimal performance.

Maximize Uptime

Innovative sensor helps to enable printhead ink build-up detection, alerting users to potential print quality issues before they escalate.

Simplify printhead cleaning to just a push of a button with the auto-rinse feature, virtually eliminating ink-build-up-related code clipping.

The 1880 UHS has an upgraded hydraulic management system, extended make-up tank, and the added flexibility of using larger, one-liter cartridges.

Leverage Enhanced Connectivity

Intelligent I/O capabilities offer standard industrial protocols for seamless integration into your production systems.

Built-in Wi-Fi and cellular connectivity provide easy and secure wireless communications.

VideojetConnect Remote Service automates troubleshooting, simplifies remote operations, and improves 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	508 m/min (1,666 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 LAN and RS-232 Serial
Positive Air / CleanFlow	Included
Display (User Interface)	SIMPLICITY based 10.4 inch color touchscreen

More Specifications

Line Speed Capability	<p>Can print 1 to 3 lines of print at speeds of up to:</p> <p>Single line max speed = 1,666 ft/min (508m/min)</p> <p>Dual line max speed = 835 ft/min (254m/min)</p> <p>Tri-line max speed = 588 ft/min (179m/min)</p> <p>(10 characters per inch, single line of print)</p>
Font Matrix Configuration	<p>Single-line: 4x5, 5x5, 4x7, 5x7, 7x9, 9x12, 10x16, 16x24</p> <p>Twin-line: 4x5, 5x5, 4x7, 5x7, 7x9</p> <p>Tri-line: 4x5, 5x5, 4x7, 5x7</p>
Linear Bar Codes	UPC A&E; EAN 8 & 13; Code 128 A, B & C; UCC/EAN 128; Code 39; Interleaved 2 of 5; GS1
DataMatrix Codes	10x10, 12x12, 14x14, 16x16, 8x18, 18x18, 20x20, 22x22, 24x24, 12x26, 8x32, 12x36, 16x36
QR Codes	<p>21x21</p> <p>Error correction mode L, M, Q or H</p>
Nominal Character Height	Selectable from 0.079" (2mm) to 0.40" (10mm), depending on font
Throw Distance	<p>Optimal: 0.591" (15mm)</p> <p>Range: 0.354" (9mm) to 0.787" (20mm)</p>
User Interface	<p>10.4" high-response TFT-LCD touch screen</p> <p>WYSIWYG touch to edit message editing</p>
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	<p>IP55 standard, no plant air required, stainless steel cabinet</p> <p>IP66 protected electronics optional</p>

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	2.7ml per hour (MEK at 20°C)
Fluids Containers	Ink and Make-up Smart Cartridge 1.06 qt (1000ml); optional 0.793 qt (750ml)
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

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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