

Continuous Inkjet

Videojet® 1880

Avoid manufacturing downtime with the Videojet 1880 smart Continuous Inkjet (CIJ) printer, made for Industry 4.0 productivity pioneers.

The Videojet 1880 CIJ printer builds upon comprehensive insights gained from the fleet of cloud-connected Videojet printers, the largest in the industry, to enable your journey towards Industry 4.0.

With a built-in vital sign monitoring system, smart alerts, on-demand remote technical support, Wi-Fi connectivity, and an advanced automated troubleshooting program, the 1880 anticipates potential printer issues in time for you to avoid them and enables you to recover faster should downtime still occur.



Harness digital capabilities

- Reduce downtime with the Videojet MAXIMiZE™ advanced diagnostics suite.
- React sooner to faults and minimize the need for on-site service calls with VideojetConnect Remote Service™
- Recover from faults more quickly with RapidRecover™ automated troubleshooting engine

Right code at the right quality

- Detect when printhead cleaning is required with the 1880 ink build-up sensor
- Simplify cleaning procedures to just a push of a button with the 1880 Auto-rinse
- Remove potential for human error with the suite of line integration and code management capabilities

Minimize operator interruptions

- Go longer between printhead cleanings with intelligent start-stop sequence
- Increase make-up cartridge changeover interval by up to 2x with best in class make-up consumption and 1L cartridge size option
- Easily accommodate operator-performed annual maintenance that takes just 5 minutes per year

Natural fit in your line

- Integrate into your line more easily with a dynamic rotating printhead
- Optimize for washdown with a 316 grade stainless steel, IP66 rated cabinet
- Select from a wide variety of inks engineered to meet your application
- Withstand the toughest traversing application with a durable over-molded umbilical

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Line speed capability

Can print 1 to 5 lines of print at speeds of up to 1,097fpm (334mpm)
(10 characters per inch, single line of print)

Font matrix configuration

Single-line: 4x5, 5x5, 4x7, 5x7, 7x9, 9x12, 10x16, 16x24, 25x34
Twin-line: 4x5, 5x5, 4x7, 5x7, 7x9, 9x12, 10x16
Tri-line: 4x5, 5x5, 4x7, 5x7, 7x9
Quad-line: 4x5, 5x5, 4x7, 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; 2D DataMatrix; GS1

DataMatrix codes

10x10, 12x12, 14x14, 16x16, 8x18, 18x18, 20x20, 22x22, 24x24, 26x26, 8x32,
32x32, 12x36, 16x36, 16x48

QR codes

21x21, 25x25, 29x29, 33x33
Error correction mode L, M, Q or H

Nominal character height

Selectable from 0.079" (2mm) to 0.40" (10mm), depending on font

Throw distance

Optimal: 0.472" (12mm)

User interface

10.4" 16:9 high-response TFT-LCD touch screen
WYSIWYG touch to edit message editing

Custom logo/graphics

Import from USB
Can be created via optional CLARISOFT™ software*

Character sets

Chinese, Russian/Bulgarian, Turkish/Scandinavian, Greek, Arabic, Japanese/Kanji,
Hebrew, Korean, Thai, 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

Standard: Product detect input, Encoder input, Beacon (Alarm light) output,
RS232 (USB to RS232 converter), Relay output (2x), USB 2.0 (2x), Ethernet LAN
Optional: Second product detect input, Second Ethernet LAN, Message select (2x),
PEC/SENC loop output, Digital I/O

Message storage

More than 250 complex messages

Environmental protection

IP55, no plant air required, 201 stainless steel cabinet or
IP66, no plant air required, 316 stainless steel cabinet

* CLARISOFT™ Package Coding Design software required for certain bar codes and other advanced functionality.

Printhead

Dynamic 90°, 350° rotating printhead
Heated printhead
45 degree slanted printhead face
Ink build-up sensor
Auto-rinse
Clean Flow™ technology (optional)
Diameter: 1.6" (41.3mm)
Length: 10.4" (265.3mm)

Printhead umbilical

Ultra flexible, overmolded
Length: 9.84' (3m); optional 19.69' (6m)
Diameter: 0.67" (17mm)
Bend radius: 4.0" (101.6mm)

Fluids containers

Ink and Make-up Smart Cartridge™ 1.06 qt (1000ml); optional 0.793 qt (750ml)

Temperature/humidity range

32°F to 122°F (0°C to 50°C)
10% to 90% RH non-condensing

With selected inks; actual installation may require additional hardware based on production environment conditions

Electrical requirements

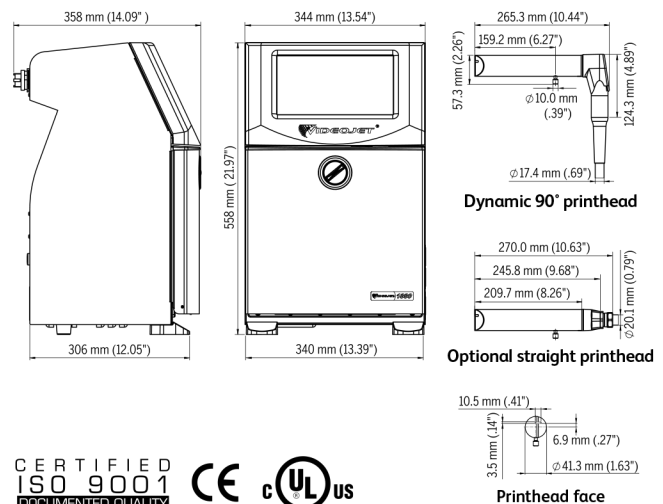
Nominal supply power 100-240 VAC at 50/60Hz, 70W

Approximate weight

Unpacked and dry: 48.5lbs. (22kg)

Options

60 or 70 micron nozzle
Dry air kit for high humidity (requires plant air)
SIMPLICITY™ Workflow Modules: Ethernet/IP™ or PROFINET, Scan2Run™
Wide range of accessories
Straight printhead



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