



Continuous Inkjet

Videojet® 1650

The Videojet 1650 is engineered for more demanding coding and marking applications where a combination of speed and throughput require a high utilization solution.

When it comes to uptime and availability in high speed or challenging environments, nothing beats the Videojet 1650. Its advanced features and tools help minimize planned and unplanned downtime. The advanced CLARiTY™ user interface helps optimize Overall Equipment Effectiveness (OEE). It is ideal for multi-shift and extended production periods with line speeds up to 960 feet per minute.



Uptime Advantage

- Dynamic Calibration™ and CleanFlow™ printhead technology keep your print quality optimal and let you run longer between printhead cleanings
- Longest run time between preventive maintenance– 14,000 hour core life
- IP65 rating and 316 stainless steel cabinet for dusty and washdown environments

Built-in productivity

- User interface not only shows the printer availability percentage, but also the data behind it
- Advanced drill down capability to trace downtime events to their root cause, so you can fix them
- Configurable settings let you track availability to match your production processes and OEE methods

Code Assurance

- Prevent costly coding mistakes with CLARiTY-based user interface
- Foolproof set-up wizards make it easy to get codes right and hard to get them wrong
- Further reduce errors by pulling data directly from database systems

Simple usability

- Large, responsive 10.4" touchscreen is easy to operate and visible from a distance
- Smart Cartridge™ fluid system significantly reduces waste, mess and mistakes

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Line speed capability

Can print 1 to 5 lines of print at speeds of up to 960fpm (293mpm)
(10 characters per inch, single line of print)

Font matrix configuration

Single-line: 5x5, 4x7, 5x7, 7x9, 9x12, 10x16, 16x24, 25x34
Twin-line: 5x5, 5x7, 7x9, 9x12, 10x16
Tri-line: 5x5, 4x7, 5x7, 7x9
Quad-line: 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, 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, 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,
Simple Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish and Vietnamese

Data interface

Ethernet (standard)
CLARISOFT/CLARINET™ via ethernet
Message management via USB

Message storage

More than 250 complex messages

Environmental protection

IP65 standard, no plant air required; 316 stainless steel cabinet

Printhead

Heated printhead
Positive air (standard)
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 fluid consumption

As low as 2.4ml per hour

Fluids containers

Ink Smart Cartridge™ 0.793 qt. (750ml)
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, 120 W

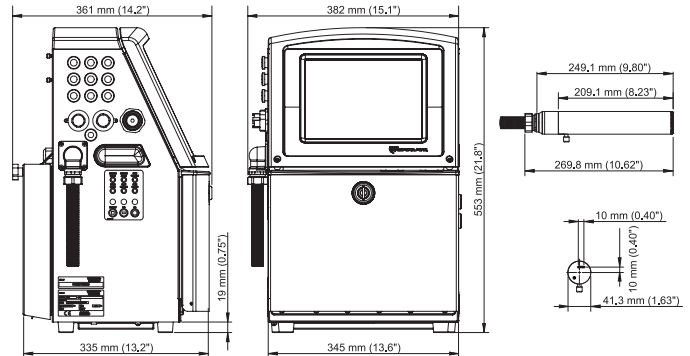
Approximate weight

Unpacked and dry: 48.5lbs. (22kg)

Options

Dry air kit for high humidity (requires plant air)
60 or 70 micron nozzle
Food grade version
90 degree printhead
Wide range of accessories

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



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