



Continuous Inkjet

# Videojet® 1860

The Videojet 1860 provides advanced warning of clogging and EHT trips. The new SIMPLiCiTY™ interface greatly reduces operator interactions, and the optional VideojetConnect™ Remote Service minimizes the need for on-site service calls.

In a world where setting higher standards is a constant reality, production line equipment needs to be more intelligent to help enable even higher line performance. The Videojet 1860 Continuous Inkjet printer helps your team reset the bar for performance. Predictive capabilities provide up to 8 hours advanced notification of the most common downtime generating faults under normal operating conditions. With the SIMPLiCiTY™ interface, operating the 1860 will become second nature for your team. And with optional VideojetConnect™ Remote Service, your team can access Videojet experts to help improve productivity and troubleshoot potential issues in ways that other printers can't.



## Performance without surprises

- Predictive capabilities provide up to 8 hours advanced notification of the most common downtime generating faults under normal operating conditions
- An industry-first ink build-up sensor provides advance warning of clogging and EHT trips
- Recover in minutes from unplanned interruptions with optional VideojetConnect™ Remote Service - minimising the need for on-site service calls

## Minimal touch design

- Significantly reduce operator error through advanced Code Assurance
- Access guided, embedded video instruction for routine printer tasks
- Complete your preventive maintenance with 3 easy-to-replace SmartCell™ components
- Access technical experts at the touch of a button through optional VideojetConnect™ Remote Service

## Natural fit in your line

- Lower your cost of operation with up to 20% more efficient solvent usage\*
- Withstands harsh washdown environments
- Hygienic design following industry guidelines
- Innovative printhead design improves speed by up to 20% in certain applications
- Integrate with factory systems using standard industry protocols with optional workflow modules

## Built-in evolution

- Do more in the future by upgrading your printer with optional workflow modules
- Reduce unplanned downtime by accessing updates to predictive capabilities
- Operate more effectively with detailed runtime analytics and reporting, partnering with Videojet Service to get better over time

\*Compared to existing 1000 Line models

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## Continuous Inkjet

### 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, 4x7, 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, 26x26, 8x32,  
32x32, 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: 0.079" (2mm) to 0.787" (20mm)

### 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, 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 (BR),  
Romanian, Russian, Serbian, Simplified Chinese, Spanish, Swedish, Thai,  
Traditional Chinese, Turkish and Vietnamese

### Input/output

Product detect input  
Encoder input  
Beacon (Alarm light) output  
RS232 (requires RS232 connector kit)  
Relay output (2x)  
USB 2.0 (2x)  
Ethernet LAN\*

### Message storage

More than 250 complex messages

### Environmental protection

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

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

### Printhead

Heated, 45 degree slanted printhead  
Clean Flow™ technology  
Diameter: 1.6" (41.3mm)  
Length: 9.5" (240.6mm)

### Printhead umbilical

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

### Make-up fluid consumption

4.5ml per hour (MEK at 20°C)

### Fluids containers

Ink and Make-up Smart Cartridge™ 1.06 qt (1000ml)

### 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

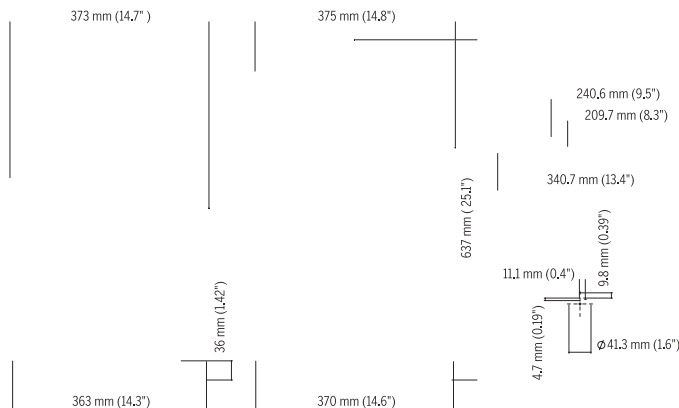
Nominal supply power 100-240 VAC at 50/60Hz, 50W

### Approximate weight

Unpacked and dry: 48.5lbs. (22kg)

### Options

Dry air kit for high humidity (requires plant air)  
Advanced input/output  
SIMPLICITY™ Workflow Modules  
Wide range of accessories



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