



## Professional Packaging Systems

2010 S. Great Southwest Parkway  
Grand Prairie, Texas 75051  
[www.ProPac.com](http://www.ProPac.com)

## Contact

Our Packaging Experts  
[solutions@propac.com](mailto:solutions@propac.com)  
888-318-0083

# Videojet 1620 UHS Ultra-High-Speed CIJ Continuous Inkjet Printer



## At a Glance

- For ultra high-speed and high-throughput inkjet marking
- Maximum line speed: 508 m/min (1666 ft/min)
- Simple, easy to use keypad interface

## 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.

## Ideal for Micro Print Applications

The Videojet 1620 UHS Ultra High Speed small character inkjet coder delivers content and quality at extremes of packaging line speed and throughput.

Videojet UHS printers provide both high-speed and clear content with markedly better print quality. Videojet UHS printers are engineered to enable tri-line code applications to be run at demanding dual-line speeds.

A unique combination of hardware, software and advanced ink formulations enables the Videojet 1620 UHS to meet the demands on your production lines. It delivers superior speed without compromising your coding content, print quality or uptime.

The Videojet 1620 UHS is the ideal printer for high-speed, high-throughput applications, including those found in the canning, beverage, and dairy industries.

With optional VideojetConnect Remote Service, your team can access Videojet experts to help improve productivity and troubleshoot potential issues.

## Benefits

### Speed without Compromising Quality

Videojet Precision Ink Drop system provides precise character formation, even at the highest speeds and longer throw distances.

Dynamic Calibration adjusts jetting parameters automatically to ensure high quality print.  
 Superior technology enables you to add content without compromising speed.  
 Single line max speed = 1666 ft/min (508m/min).  
 Dual line max speed = 694 ft/min (212m/min).  
 Tri-line max speed = 588 ft/min (179m/min).

### Uptime Advantage

CleanFlow technology resists ink buildup that can cause ordinary ink jet printers to shut down.  
 Long run time between preventive maintenance, up to 14,000 hour core life.  
 Internal pump means no external air, minimizing potential for contaminants to enter ink stream.  
 Auto cleaning printhead for fast start-ups even after extended shutdowns.

### No Mess, No Waste Fluid Delivery

Make-up consumption as low as 2.4ml/hour.  
 Smart Cartridge fluid delivery system to virtually eliminate spills and ensures the correct fluids are being used.

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## Specifications

Print Heads	1
Ink	Dye based
Maximum Lines of Print	3
Maximum Line Speed	508 m/min (1666 ft/min)
Environmental Protection	IP65
Core Life (Maintenance Interval)	Up to 14,000 hours
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
Expanded I/O Ports and Control	Included
USB	Included
Communications	Ethernet, RS232, RS485
Positive Air / CleanFlow	Included
Display (User Interface)	Included

## More Specifications

Line Speed Capability	Can print 1 to 3 lines of print at speeds of up to: Single line max speed = 1666 ft/min (508m/min) Dual line max speed = 694 ft/min (212m/min) Tri-line max speed = 588 ft/min (179m/min) (10 characters per inch, single line of print)
Font Matrix Configuration	Single-line: 4x5, 5x5, 4x7, 5x7, 7x9, 10x16 Twin-line: 4x5, 5x5, 4x7, 5x7, 7x9 Tri-line: 4x5, 5x5, 4x7, 5x7, 24 Drop Mixed Raster
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	Square Form up to 24x24 Rectangular Form up to 16x48
Nominal Character Height	Selectable from 0.079" to 0.472" (2mm to 12mm), depending on font
Throw Distance	Optimal: 0.394" (10mm) Range: 0.197" to 0.591" (5mm to 15mm)
Keyboard	Membrane style with tactile feedback, including 72 numeric, alphabetic, and special function keys. PC-style layout to approximate international PC convention.
Display	320x240 Bright blue backlit 5.7" LCD display. WYSIWYG onscreen message editing
Custom Logo/Graphics	Can be created by individual user on printer or PC with optional Videojet Logo Creator 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	RS232, RS485 and ethernet (standard) CLARISOFT/CLARINET via RS232 and ethernet Message management via USB
Message Storage	250 complex messages

Environmental protection	IP65 standard; no plant air required; stainless steel cabinet
Printhead	Heated printhead Positive air (standard) Nozzle size: 50 micron Diameter: 1.63" (41.3mm) Length: 10.62" (269.8mm)
Printhead Umbilical	Ultra flexible Length: 9.84' (3m) optional 19.69' (6m) Diameter: 0.83" (21mm) Bend radius: 4.0" (101.6mm)
Make-Up Fluid Consumption	As low as 2.4ml/hour
Fluids Containers	Ink Smart Cartridge 0.793 qt (750ml) Make-up smart cartridge 0.793 qt (750ml) Ink bulk system 5.28 qts (5 liters) Make-up bulk system 5.28 qts (5 liters)
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 120W peak maximum, 60W nominal
Approximate Weight	Unpacked and dry: 46.2lbs (21kg)
Options	Dry air kit for high humidity (requires plant air) Wide range of accessories

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