



Continuous Ink Jet

1620 Ultra High Speed

In the past, achieving greater speed on your production line meant compromising the print quality, accuracy and clarity of your coding content. With Videojet 1620 UHS you never have to make that choice again.

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, in fact, your 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.



Speed without compromising quality

- Videojet's 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)

When there's no upside to downtime

The Videojet 1620 UHS gives you an uptime advantage via:

- 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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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

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, 12x36, 16x36, 16x48, 16x26, 8x32

Nominal character height
Selectable from 0.039" to 0.307" (1mm to 7.8 mm), depending on font

Throw distance
Optimal: 0.394" (10mm)
Range: 0.197" to 0.787" (5mm to 20mm)

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: 0.91" (23mm)
Bend radius: 4.0" (101.6mm)

Make-up fluid consumption
As low as 2.4ml/hour

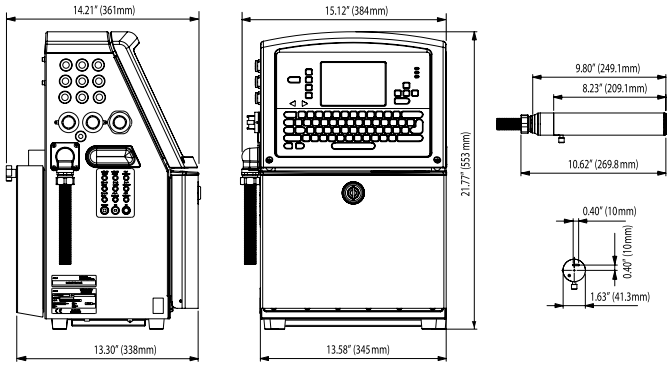
Fluids containers
Ink Smart Cartridge™ 0.793qt. (750ml)
Make-up smart cartridge 0.793qt. (750ml)
Ink bulk system 5.28qts. (5 liters)
Make-up bulk system 5.28qts. (5 liters)

Temperature/humidity range
32°F to 113°F (0°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.,
100W peak maximum, 60W nominal

Approximate weight
Unpacked and dry: 46.2lbs. (21kg)

Options
Dry air kit for high humidity (requires plant air)
Expanded I/0 for remote message select and remote printer shut-off
Wide range of accessories



Call **800-843-3610**
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