



Large Character Inkjet

Videojet® 2120

The Videojet 2120 is an easy-to-use printer for applying one or two lines of alphanumeric codes to a variety of products or packages.

With a choice of printheads and inks, the 2120 is able to print on a wide range of porous and non-porous materials. It can control two printheads for opposite side case coding, and also offers multiple printer control from one screen for more complex, multi-line coding. Compact printhead design provides easy integration into existing conveyance systems and printhead slant control technology allows the printhead to be mounted at an angle so the text message style, density and height can be matched to the case design.



Uptime Advantage

- Supports one 16-valve or two 7-valve printheads to produce a variety of character heights and multi-line codes
- Master/follower functionality allows up to four printers to be controlled from one controller for more efficient job management

Built-in productivity

- On-screen editor allows you to create and edit messages on the fly
- On-screen indicators report ink use, job status, message preview, counts and other production details at a central location for controlling and interacting with the printer

Code Assurance

- Single point message selection is delivered to multiple devices
- Can be connected to all Ethernet devices, including scales and scanners, throughout the production floor
- Control and access can be limited with passwords to help ensure your production continues unimpeded

Simple usability

- Built-in configuration wizard shortens system setup time by guiding the operator through the installation process
- Printer can operate in standalone mode using intuitive interface or be networked to PLCs or factory management systems for centralized control

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Large Character Inkjet printing

System Includes

User interface and controller
 External power supply and bracket
 Printhead(s)
 Printhead cable(s)
 Ink system plus level detect, 1 Liter
 Level detect harness
 Bracket kit
 Product sensor

Built-in Software Functions

Time of day, internal or remote
 Real Time Clock (RTC)
 Counters: increment and decrement numbers or characters
 Remote download through RS232 or TCP/IP communication
 Print delay
 Print orientation: inverted, reversed or both

Print Formats

Upper and lower case characters
 Multi-stroke characters
 Bold characters
 Adjustable character widths
 Print orientation: inverted, reversed or both

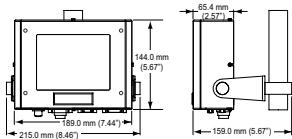
Print Height and Print Speeds

Note: Minimum speed is 26 fpm (8 m/min.) for both 700 and 800 series printheads
 Note: Dot size setting can have an effect on the maximum line speed

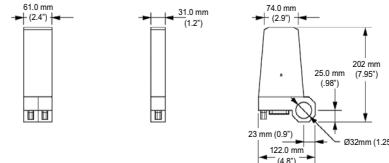
700 Series printheads (for porous substrates)

Printhead	# of dots	Print Height	Max Line Speed
707	7	0.5" 13 mm	236 fpm 72 m/min.
707	7	0.8" 20 mm	371 fpm 113 m/min.
716	16	1.2" 30 mm	236 fpm 72 m/min.
716	16	2.0" 50 mm	371 fpm 113 m/min.

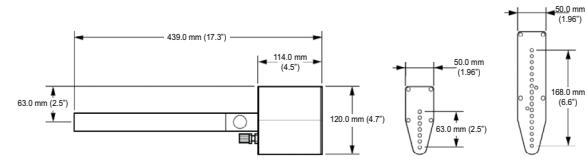
Controller Dimensions



700 Series Printhead Dimensions



800 Series Printhead Dimensions



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 or visit www.videojet.ie

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 C2, South City Business Park,
 Tallaght,
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800 Series printheads (for nonporous substrates)

Printhead	# of dots	Print Height	Max Line Speed		
807	7	1.5" 37 mm	0.4" 11 mm	413 fpm 126 m/min.	285 fpm 87 m/min.
816*	16	3.6" 92 mm	1.1" 28 mm	413 fpm 126 m/min.	285 fpm 87 m/min.

*For 5x5 font matrix, max speed at stated print height is 220 fpm (67 m/min.)

Inks and Delivery Systems

Colours: black, red, blue
 Capacity: Standard 1 liter; 5 gallon with optional ADS Plus
 Characters/liter

707 Printhead (7 Dot Font) - 300,000 characters/liter
 716 Printhead (16 Dot Font) - 56,000 characters/liter
 807 Printhead (7 Dot Font) - 400,000 characters/liter
 816 Printhead (16 Dot Font) - 60,000 characters/liter

Surfaces: porous and non-porous
 Delivery: optional Air Delivery System (ADS Plus)

Electrical Specifications

Mains Voltage: 100 to 240 VAC
 Frequency: 47 to 63 Hz
 Input Current: 1.07 A Max
 Safety Protection: Class I

Environmental Specifications

Operating temperature: 5°C to 40°C (41°F to 104°F)
 Rate of change of ambient temperature: 10°C (50°F) per hour maximum
 Relative humidity: 10 to 90% non-condensing

Weight

CLARITY Controller	2.54 lbs (1.15 Kg)
700 Series printhead (7 valve)	1.10 lbs (0.5 Kg)
700 Series printhead (16 valve)	1.99 lbs (0.9 Kg)
800 Series printhead (7 valve)	0.88 lbs (0.4 Kg)
800 Series printhead (16 valve)	1.87 lbs (0.85 Kg)



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