



Large Character Ink Jet

# 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

# Videojet® 2120

## Large Character Ink Jet 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.

### 800 Series printheads (for nonporous substrates)

Printhead	# of dots	Print Height		Max Line Speed	
		55°	80°	55°	80°
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

Colors: 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

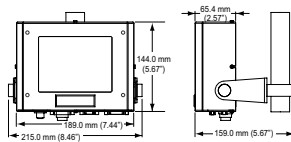
Operating temperature: 5°C to 40°C (41°F to 104°F)  
 Rate of change of ambient temperature: 10°C (50°F) per hour maximum  
 Relative humidity: 10 to 90% non-condensing

### Weight

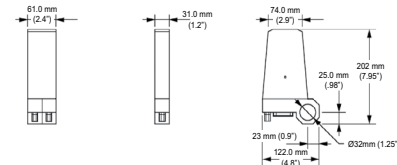
CLARITY Controller	2.54 lbs (1.15 Kg)
700 Series printhead (7 valve)	1.10 lbs (0.5 Kg)
700 Series printhead (16 valve)	1.99 lbs (0.9 Kg)
800 Series printhead (7 valve)	0.88 lbs (0.4 Kg)
800 Series printhead (16 valve)	1.87 lbs (0.85 Kg)



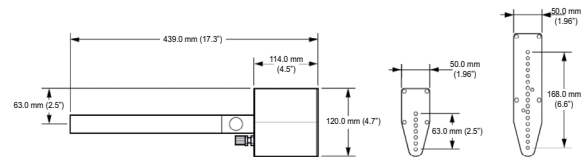
### Controller Dimensions



### 700 Series Printhead Dimensions



### 800 Series Printhead Dimensions



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