



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
- Leader/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 Inkjet

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 4mm/sec (0.79ft/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)

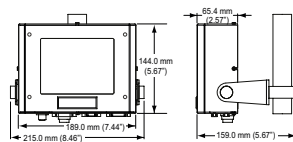
800 Series printhead (7 valve) 0.88 lbs (0.4 Kg)

800 Series printhead (16 valve) 1.87 lbs (0.85 Kg)

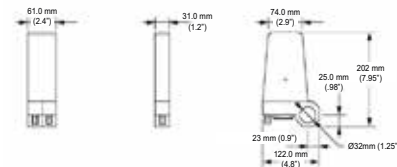
CERTIFIED
ISO 9001
DOCUMENTED QUALITY



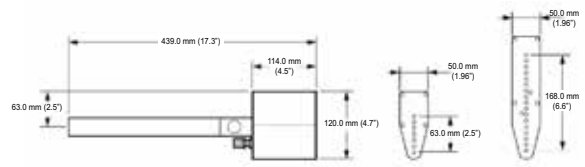
Controller Dimensions



700 Series Printhead Dimensions



800 Series Printhead Dimensions



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