

# Videojet® 2120

Large Character Ink Jet Printer

## Ink Jet.

Laser.

Thermal Transfer.

Labelers.

Track & Trace.

Supplies.

Parts & Service.



The Videojet 2120 is an easy-to-use printer for applying single or twin line alphanumeric codes to a variety of products or packages. A choice of printheads and inks enable it to print on a wide range of porous and nonporous materials.

## Multiple printhead and ink options provide application flexibility

- The 2120 can control two printheads for opposite side case coding, and also offers multiple printer control from one screen for more complex, multi-line coding
- The 700 series printhead is ideal for printing on porous surfaces such as corrugated cardboard cartons and trays, paper bags and sacks, timber, gypsum board, paper reels and similar materials
- The 800 series printhead is ideal for printing on nonporous surfaces such as plastic bags and sacks, plastic containers and shrink-wrap, coated corrugated cardboard, foils, metals, piping and other similar materials

## Easy to operate helps reduce coding errors

- Pre-programmed jobs are ready for use or can be customized with minimal effort
- Message Management templates limit operator's choices to predefined values, greatly reducing the chance of printing the wrong code
- Jobs can be transferred to additional printers using common USB storage devices

## Guided installation reduces setup/startup time

- An automated setup wizard makes printer installation a breeze
- Printer setup can be "cloned" and transferred to another printer using a USB storage device

## Advanced Message Management features

- Messages can be created remotely on a PC using the optional CLARISOFT® software
- Remote Database Mode enables an operator to download messages from a centralized database or ERP system

**VIDEOJET**  
Uptime Peace of Mind®



**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"<br>13 mm | 236 fpm<br>72 m/min.  |
| 707       | 7         | 0.8"<br>20 mm | 371 fpm<br>113 m/min. |
| 716       | 16        | 1.2"<br>30 mm | 236 fpm<br>72 m/min.  |
| 716       | 16        | 2.0"<br>50 mm | 371 fpm<br>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"<br>37 mm | 0.4"<br>11 mm | 413 fpm<br>126 m/min. | 285 fpm<br>87 m/min. |
| 816*      | 16        | 3.6"<br>92 mm | 1.1"<br>28 mm | 413 fpm<br>126 m/min. | 285 fpm<br>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 nonporous
- Delivery: optional Automated 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**

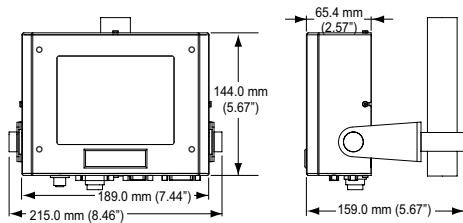
- Operating temperature: 5°C to 40°C (41°F to 104°F)
- Rate of change of ambient temperature: 10°C (50°F) per hour maximum
- Relative humidity: 10 to 90% non-condensing

**Weight**

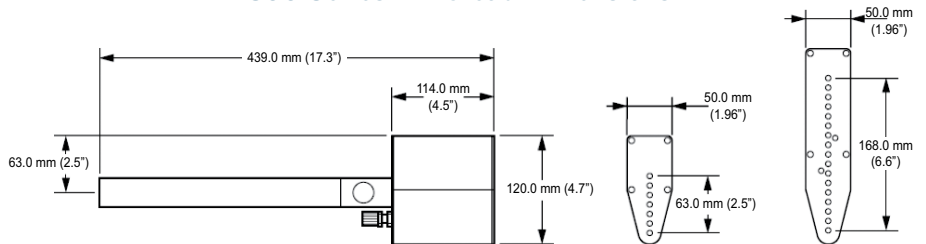
- CLARiTY® Controller 2.54 lbs (1.15 Kg)
- 700 Series printhead (7 valve) 1.10 lbs (0.5 Kg)
- 700 Series printhead (16 valve) 1.99 lbs (0.9 Kg)
- 800 Series printhead (7 valve) 0.88 lbs (0.4 Kg)
- 800 Series printhead (16 valve) 1.87 lbs (0.85 Kg)



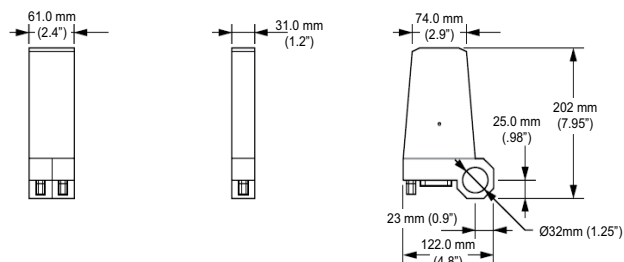
**Controller Dimensions**



**800 Series Printhead Dimensions**



**700 Series Printhead Dimensions**



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