

Printing Capability

Width: Stitched 1.5" (38.1mm)

Modular design allows 1.5" (38.1mm) **jet.engines** to be combined on ski's for wide format printing. Wide format printing with stitching across all pens in all **jet.engines**.

Length:

- 600 dpi = 60" (1524mm)
- 300 dpi = 120" (3048mm)
- 200 dpi = 180" (4572mm)
- 150 dpi = 240" (6096mm)

Direction:

- Bi-directional – Use the ski that matches your paper path.

Orientation of Print Layouts

- Rotate in 1% increments.

Printable Items

- All twenty-four Windows Unicode languages
- Dynamic and fixed text
- Dynamic and fixed bitmaps
- Integrated bar code support for over 80 linear and 2D bar codes with complete control over ratios, bar width and other aspects to provide high quality codes on any media.
- Time/Date Stamp
- Other items are printable.

Please contact your **inc.jet** representative with your requirements.

Print Resolutions and Speeds

- 600 x 600 dpi at 27.5 IPS, 137.5 FPM, 0.7 M/S
- 600 x 300 dpi at 55 IPS, 275 FPM, 1.4 M/S
- 600 x 200 dpi at 82.5 IPS, 412.4 FPM, 2.1 M/S
- 600 x 150 dpi at 110 IPS, 550 FPM, 2.8 M/S
- Other resolutions and speeds are possible.

Please contact your **inc.jet** representative with your requirements.

Controllers/Drivers

- Design-Layout Software is included and will run on any Windows XP system.
- Develop your own interface using ActiveX for print head control.
- Third-party software can also be used.
- Terminal Mode offers an easy way to send data to the printer from a host system while the Design-Layout Software manages all print head operations.

Please consult your **inc.jet** representative for further details.

Communication Interfaces

- 10/100-Base T Ethernet
- RS-232 (115K baud)

Input/Output

- Six optically isolated inputs, any of which can be used for sensors, encoders or other external devices. Power for external devices available directly from **jet.engine**.
- Two outputs, each capable of switching up to 1 amp at 60 volts AC or DC using a solid-state relay.

Operating Modes

Encoder (300 dpi):

- Free Run/No Encoder – Program the transport speed at 0.5 ms resolution.
- Single Channel Encoding – Most common mode of operation. Print controlled by encoder transitions.
- Dual Channel Encoding – Allows for 1/2 pel line adjustment, removes belt jitter and expands DPI options.

Sensor:

- Free Run/No Sensor – Program top of page signal using number of encoder ticks.
- Normal Operation – Sensor trigger resolution as fine as encoder resolution.

Pen Controls

- Pulse Warming – Keeps ink at optimal print temperature.
- Pen Calibration – Fine tuning of voltage and pulse length for optimal thermal action on every cartridge.
- Sparse Spit – Keeps unused jets open by printing all jets in a random pattern.
- Independent Power – Automatic "power down" of any unused pen stall.

Integrated Service Station (Optional)

- Automated cartridge capping between uses prevents dry out.
- Performs an internal cleaning function to maintain print quality.

Physical/Electrical

jet.engine:

- Dimensions: 3.5" (88.9mm) W x 5" (127mm) H x 5.25" (133.5mm) D
- Manual Capping – 1.49 lbs. (.68kg)
- Integrated Service Station with Automatic Capping – 1.87 lbs. (.85kg)
- Power: 27 VDC (26.5 - 30 VDC)

Afterburner (Optional)*

Single cartridge that can be used in a variety of ways:

- In-line with **jet.engine** for 2" (50.8mm) of stitched print.
- Behind any of the three **jet.engine** ink cartridges for a second color.
- Removed from the **jet.engine** and placed anywhere within 30" (762mm) for a remote print area.
- Dimensions: Adds 1.25" (31.75mm) W and 1" (25.4mm) D
- Weight: Add .5 lbs. (.23kg)
- Power: No additional power is required.

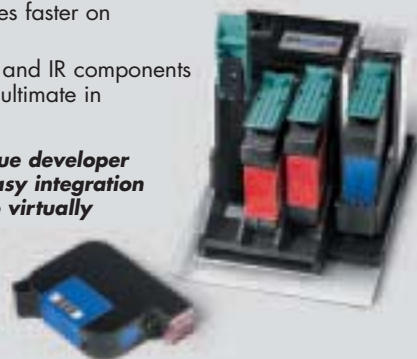
*Please consult your **inc.jet** representative for further details.

Get the most out of your inc.jet jet.engine with innovative Hewlett-Packard inks.

A new bulk ink delivery system, a larger variety of specially priced inks, and custom security inks are available for OEMs. Please contact your **inc.jet** representative for further details.

- Versatile Black – Prints on a variety of surfaces – both coated and uncoated – giving you a true one ink solution.
- Spot Color – Available in red, green, blue, and yellow.
- Bulk Ink Black – Low cost, high quality printing on porous media.
- Fast-Dry Black – Dries faster on porous media.
- clear.inc – Uses UV and IR components for security and the ultimate in personalization.

The jet.engine's unique developer package supports easy integration of the jet.engine into virtually unlimited production configurations.



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