Printing Capability

Width: Stitched 1.5” (38.1 mm)

Modular design allows 1.5” (38.1 mm) 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.

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.

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.

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 bell 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.