FlexSystems™
Specialty
Inkjet Products

HP2 Jet Printer
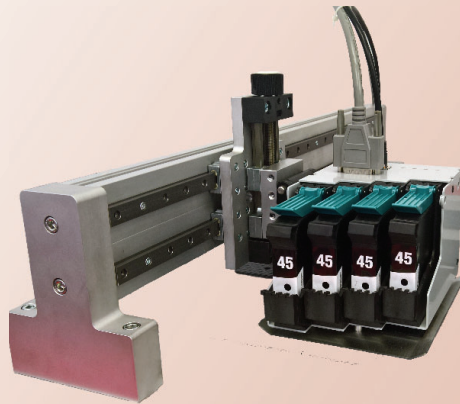## Affordable Thermal Inkjet

HP2 Jet Printer - Affordable Thermal Inkjet

The HP2 Jet printer is based on the proven Hewlett-Packard (HP) thermal inkjet (TIJ) technology and Inc.jet's state-of-the-art electronics, creating a reliable, cost-effective and easy to operate solution for mailing and packaging needs.

The HP2 Jet produces outstanding print quality at a great price. The HP2 Jet produces high quality images with print resolutions up to 600 x 600 dpi, HP pigmented inks produce dark crisp images on a variety of substrates with easy pen replacement. Due to its HP cartridge based technology, the system is easy to set up, operate and maintain.

The print head is available in a 2" configuration, giving you excellent coverage abilities. Up to four 2" print modules can be combined in a single system. A bulk ink delivery system is available for high production environments.

Features

- Low capital cost, high quality inkjet system.
- Proven, 'no-mess' HP cartridge technology.
- Simple maintenance and ink cartridge replacement.
- 2" print width per print module, expandable to 4 modules (8").
- Dark, crisp images up to 600 dpi.
- Variety of inks for spot color, porous, and aqueous-coated substrates.
- Optional bulk ink system available.

Resolution	Maximum speed	
Vert. x Horz.	Feet per Minute	Meters per Minute
600 x 600	125	38
600 x 300	250	76
600 x 150	500	152

Managed print - Lifetime Warranty and Increased Ease of Use

The HP2 Jet printer is available in an unmanaged or managed option. The unmanaged option allows the use of any print cartridge; the managed version is set up to only use jet.fuel® managed cartridges and provides the following advantages:

Lifetime Warranty on the Print Heads

If there is ever a problem with the electronics, the head will be replaced free of charge for the LIFETIME of that product, whether 1 year or 10 years old.

Inc.jet provides a Lifetime Warranty for its hardware products and warrants that each product is to be in good working order for the product's lifecycle. Should the product fail to be in good working order, inc.jet will repair or replace this product at no charge.

Lifetime Maintenance on the FlexMail Software

When using the managed print heads, lifetime maintenance will be added to the FlexMail software completely free of charge, assuring that you will always have the latest version of the software.

Making Print Even Better – Solid Performance, Always

Managed print improves the ease of use and quality of printing for the HP2 Jet printing systems.

- No need to program ink drive parameters. As soon as a Managed Print cartridge is placed into an HP2 JET printer, it recognizes the exact ink and type of cartridge and configures a wide variety of firing parameters to suit that specific ink, thus maximizing performance and print quality.
- With a Managed Print ink in place, every one of the 300 nozzles in each cartridge is individually checked and the results displayed in a simple format, enabling you to quickly and precisely deal with any issue that might have an impact on your print quality.
- Expanded maintenance and recovery features to keep cartridges working in the most difficult applications.
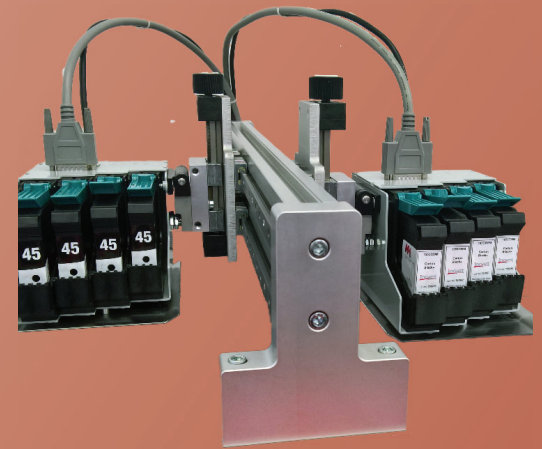
A Turn-key System

The HP2 Jet printer is delivered as a turn-key system consisting of one to four 2" print modules with cables, mounting bridge, and a print control box.

The HP2 System can be supplied as part of a new inkjet system on a transport base but is also an ideal solution to add printing capabilities to other equipment or to upgrade outdated printing equipment on an existing base.

Print head module

- Proven HP Cartridge Technology: Low maintenance, easy to clean with easily replaceable integral print heads.
- Four cartridges/pen slots for a total print width of 2" per module. Expandable to 4 modules (8") per system.
- Sophisticated electronics for ultra-fast onboard processing.
- Standard TCP/IP connectivity for reliability, high data rate, and simplicity.
- Print densities up to 600 DPI for sharp, concise images and text.
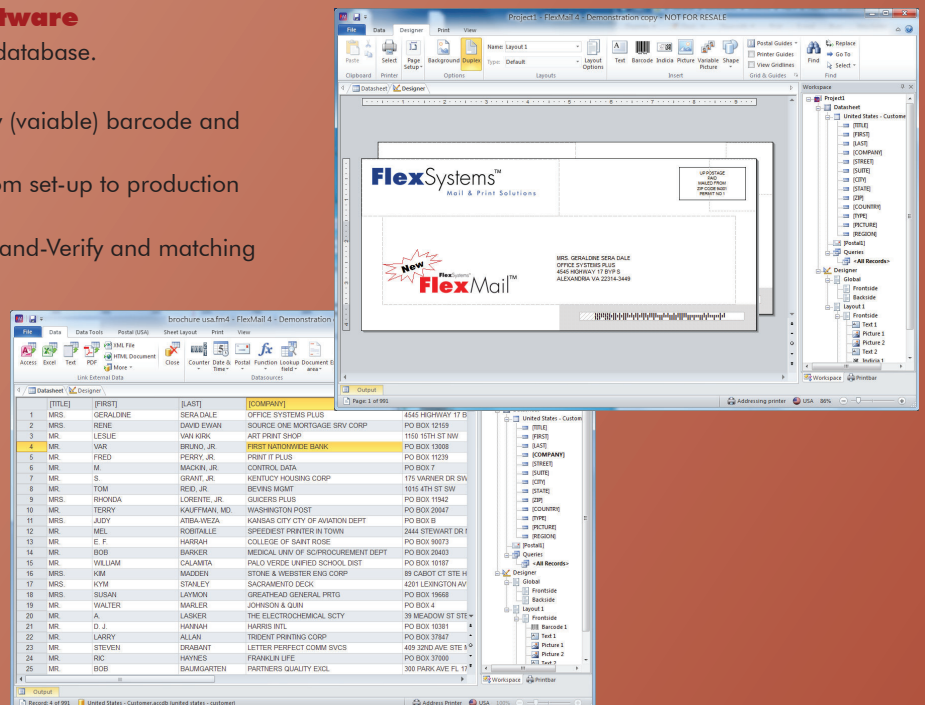- Optional bridge for 1 or 2 print modules.

Print Controller

- Connects up to four HP2 Jet print modules.
- Gigabit Ethernet connections to print heads and PC.
- Encoder and sensor connectors.
- 2 outputs each for the first two print modules (max. 4 outputs).
- Light/Alarm tower connection.
- Includes power supply to power print modules.

FlexMail Print Control Software

- Capable of connecting to any database.
- Optional postal processing.
- Print fixed or variable texts, any (vaiable) barcode and fixed or variable graphics.
- Full control over the printer: from set-up to production and maintenance tasks.
- Supports Read-and-Print, Print-and-Verify and matching applications.

HP2 Jet Printer Specifications

Print Module

Printing Specifications

Technology	HP thermal inkjet (TIJ)
Printing width	2" (50.8 mm)
Inks	Water based, solvent, pigment
Native resolution	600 dpi (vertical)
Drop size	33 pl.
Frequency	15 kHz
Print speeds	At 600 x 600 dpi: 125 ft/min (38 m/min) At 600 x 300 dpi: 250 ft/min (76 m/min)

Physical

Dimensions	W 4.6" x L 7.0" x H 4.0" W 117 mm x L 180 mm x H 103 mm

Print Controller

Print modules

Connections	Max. 4 print modules over Gigabit Ethernet

I/O

Encoder	24V PNP, dual channel, 300 PPI
Sensor	24V PNP
Outputs	2 relay outputs for the first 2 heads (max. 4 outputs)
Alarm	Red / Yellow / Green with Audio
Connection to PC	Gigabit Ethernet

Physical

Power	110 / 220 VAC
Dimensions	W 12" x L 10" x H 3" W 305 mm x L 255 mm x H 75 mm

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Mail & Print Solutions