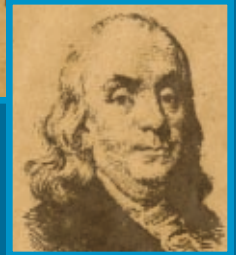
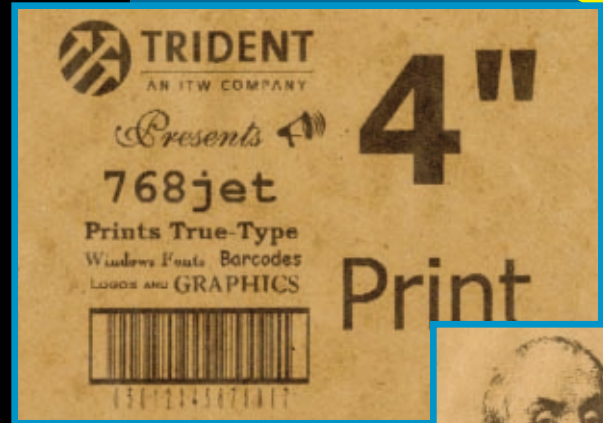


768JET™ PRINthead

Featuring Automatic
Maintenance
Module™



- *4 inch tall printed image*
- *High resolution printing for graphics, text or barcodes*
- *Single printhead eliminates need for multiple printheads*
- *Automatic Maintenance Module™ to minimize need for operator intervention.*
- *Stainless steel orifice plate for use in rugged industrial applications.*
- *Repairable design for low total cost of ownership*
- *Onboard electronics for simple integration*
- *Three year warranty against failure*

The 768Jet™ Printhead is the solution to your digital printing needs.

This versatile printhead is capable of printing text, graphics and bar codes up to 4" tall. The flexibility of the 768Jet™ makes it possible for a single printhead to replace multiple printheads, thereby simplifying controller electronics and minimizing required space on the transport.

The 768Jet™ Printhead produces images with 768 orifices in 256 controllable channels. It employs Trident's proprietary piezoelectric technology to produce UCC-SCS, ITF-14, EAN/UCC-128 and other barcodes (including associated human readable characters) directly onto packaging. This eliminates the need for costly labels or preprinted images.

Its robust design, featuring a stainless steel orifice plate, enables the 768Jet™ Printhead to perform seamlessly in rigorous industrial environments.

The high jetting frequency of the 768Jet™ Printhead enables the user to produce bar codes at transport speeds in excess of 200 feet/minute (1.0 m/sec).

The optional Automatic Maintenance Module™ feature minimizes the need for operator intervention by automatically removing any airborne contaminants from the face of the printhead at adjustable intervals.

The printhead design is factory-repairable, enabling it to be cleaned or even rebuilt if required. This minimizes replacement costs. Trident stands behind the reliable design of the 768Jet™ printhead with a three year warranty against failure.



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768JET™ PRODUCT OVERVIEW

Imaging Capabilities

Image Height: 4.0" (102mm)
Number of Channels: 256
Number of Orifices: 768
Vertical Addressability: 64 pixels/inch (25 pixels / cm)
Horizontal Resolution: Application Dependent

Print Characteristics

Drop Rate per Orifice: Up to 12,000 droplets per second
Nominal Drop Velocity: 37 feet per second (11m/sec)
Print Orientation: Sideways

Printhead Physical Properties

Body materials: Stainless Steel and proprietary materials
Width: 1.7" (43.2mm)
Depth (to electronic connections): 4.5" (114.3mm)
Depth (to tubing connections): 6.34" (161.0mm)
Height: 5.34" (135.6mm)
Mounting Holes: 4 mounting holes; M3 thread x .22 deep
2 holes located on each side

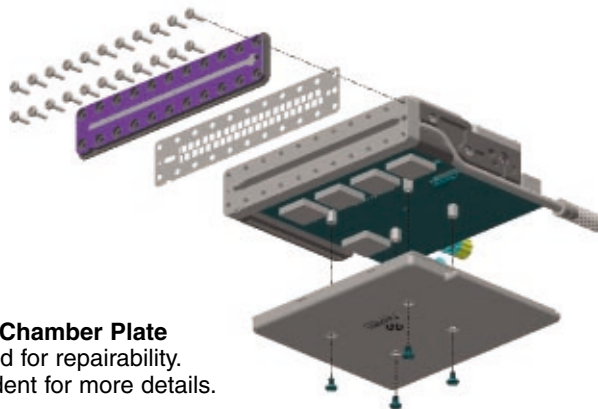
768JET™ PRINthead

Options

Automatic Maintenance Module™ System
Large Ink Supply with level detection
Ink Bottles: 125ml and 500ml
Recommended Tube Length: Up to 40" (1.02m)

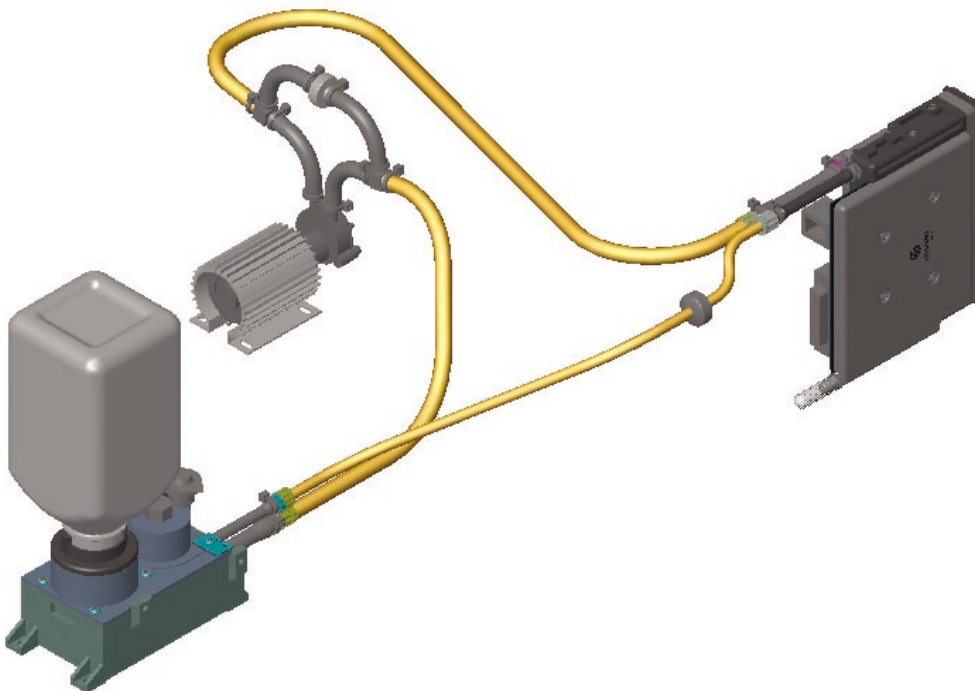
Interfacing

Analog Drive Electronics located on-board printhead for simple integration. Digital Drive Electronics are available to provide both basic print functions, and advanced development and adjustment of printing parameters.



Orifice/Chamber Plate
designed for reparability.
See Trident for more details.

768Jet™ Printhead with Large Ink Supply and Priming Pump.
Optional Automatic Maintenance™ components not shown.



TRIDENT®

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