



Monochrome Print Module

Optimize workflow by integration of high speed and high quality inkjet printing technology

The Print Module is a brand new *monochrome* inkjet printing system based on the latest inkjet technology (TIJ4) from HP. This technology is well-known for its high print image quality, operator friendliness, reliability and cost effectiveness.

Excellent print quality at high speeds

Increase workflow optimizing with integration of high-speed inkjet printing systems. The self-servicing of the printheads optimize print quality and enable consistent reliable operation. The TIJ4 technology uses printheads with a double nozzle row, which give the system the unique nozzle redundancy.

Effective imprinting

Combining printing the variable data with the static shell-print makes a very effective workflow. Each system has a print swath of 108 mm (4,25 inches). For a more hybrid solution combinations with full color systems are possible. In case a wider print area is required, multiple print modules can be stitched in the software. The Print Module is upgradable to the Full Color Module.

High uptimes

The Print Module is equipped with a comprehensive, automated servicing station. This service station ensures that the printhead is automatically capped, decapped and cleaned with minimum downtime and optimal print quality as result.

Easy to integrate

The Print Module has a modular design enabling an easy integration in existing equipment like:

- Roll offset and flexo presses;
- Web finishing lines;
- Sheet finishing lines;
- Inserting machines;
- Roll-to-roll webbase;
- Mailable.

Application examples

- Personalizing
- Addressing
- Direct mail
- Barcoding
- Numbering
- Lottery
- Tickets





Monochrome Print Module

Specifications	M500 - monochrome
General description	TIJ4 print system for variable data printing with one easily replaceable printheads, including: <ul style="list-style-type: none">- Intelligent Print driver (IPd)- Intelligent Ink Supply Station (I2S2)- Intelligent Service Station (ISVS)- Back-end data pipeline (IPIPE)
Nozzles	1 x 5 die TIJ4 printheads 2 columns per printhead @ 5.280 nozzles each 10.560 nozzles total per printhead
Print swath	108 mm (4,25 inches)
Resolution	600 dpi (600 x 300 dpi optimized from 300 x 300 input)
Drop size	9 ng/drop
Print speed	Up to 2,5 m/s (500 fpm)
Ink types available	Dye-based
Ink colors	Black
Bulk ink supplies	2 hot swappable 775 ml ink supplies
Printhead identification	Smart chip
Printhead servicing	Automated serviceing (wiping, capping, spitting). Servicing requirements: ~30 seconds each hour
Pen to paper spacing	1,2 – 2,0 mm for optimum print quality
Printhead orientation	Printing vertically downward
Printhead replacement time	< 5 min
Printhead shelf life	18 months in original packaging
Printhead life	~ 30 liters/printhead
Optimum operator environment	15-35 C, 20-80% rH
Imager dimensions	483 mm (19") H x 432 mm (17") D x 508 mm (20") W

This datasheet maybe subject to change



Printhead (TIJ4)



Ink cartridge 775ml



Printhead Cleaner

DJM B.V.
PO Box 86
NL-3840 AB Harderwijk
The Netherlands

t +31 (0)341 437 000
www.djm.nl
info@djm.nl