



Color Print Module

Add color images, graphics and variable data to documents and envelopes for more effective communication

The Color Print Module is a brand new full color 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 color print quality at high speeds

Increase promotional effectiveness and response rates with high-speed and high quality variable color. Produce color images, graphics and variable data 600 dpi at 2,5 meter per second. The self-servicing of the printheads optimize color quality and enable consistent reliable operation. The TIJ4 technology uses printheads with a double nozzle row, which give the system the unique nozzle redundancy.

Modular

The print swath of a single Color Print Module is 108 mm (4,25 inches). The overall print area can be expanded by adding additional units. For a more hybrid solution combinations with monochrome systems are possible.

High uptimes

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

Easy to integrate

The Color 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;
- Mailtable.



Two Color Print Modules on a webbase



Mailing with variable color images

Envelopes with variable color images





Color Print Module

Specifications	C500 – full color
General description	TIJ4 print system for process color variable data printing with four 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	4 x 5 die TIJ4 printheads (one per color) 2 columns per printhead @ 5.280 nozzles each 10.560 nozzles total per printhead 42.240 total nozzles per print module
Print swath	108 mm (4,25 inches)
Resolution	600 dpi (600 x 300 dpi optimized from 300 x 300 input)
Drop size	6 ng/drop process color, 9 ng/drop for black
Print speed	Up to 2,5 m/s (500 fpm)
Time between pages	50 ms minimum
Image processing time	22 ms/Mpixel @ 300 x 300 input resolution
Ink types available	Dye-based
Ink colors	Cyan, Magenta, Yellow and Black
Bulk ink supplies	2 hot swappable 775 ml ink supplies per color
Color capabilities	CMYK process color
Printhead identification	Smart chip
Printhead servicing	Automated servicing (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

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