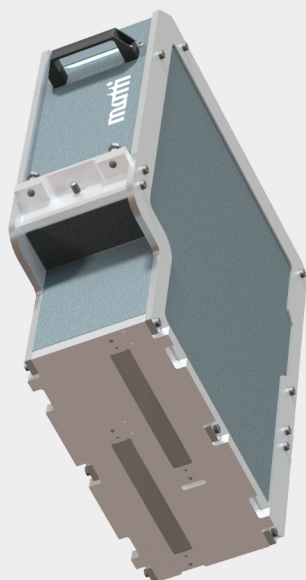


Monojet MJ108 Imprinting Solution





Solution for economical high quality on demand printing

The Monojet MJ108 Printing System is simple to integrate tough and reliable and can be used with a wide range of fluids.

An industrial solution ideally suitable for adding security coding, barcoding, addressing, text, logos, pictures and spot colour.

Explore variable data printing opportunities

MonoJet Heredity:

The Monojet MJ108 is part of a much broader family all offering cost effective, innovative and reliable solutions to give the functionality desired; each solution can be customised to meet your specific business needs.

Expand your capabilities:

The MJ108 allows you to offer added value to document printing, creating greater opportunities.

The system can be integrated into a multitude of printing processes from offset presses to finishing equipment.

Perfect for transactional, transpromo, security print, direct mail, label and packaging applications.

Ideas and Opportunities:

The MJ108 is a fully featured standalone economic solution, with web speeds of up to 150 mtrs/min, versatile fluid compatibility, offering inks for coated and uncoated stocks.

The 3 level greyscale allows for high quality picture reproduction.

Typically used in transactional, commercial printing, packaging, corrugated packaging, folded cartons, labelling and ceramic printing industry sectors.

Can be used in Web presses, Sheet presses or Large flatbed systems.

Integration

Integration services are available from Matti including base modules for imprint heads.



Single Colour Printing System

Fully featured „Standalone“ IMPRINT system

Jetting Modules:

One print station can drive up to four print heads.

Key Features:

- Kyocera KJ4B Series printhead (Recirculation structure through the printhead)
- Compatible inks: Aqueous and UV
- Print width: 108 mm
- Number of inks: 1
- Resolution: 600x600dpi - optional 1200x1200dpi

Digital Front End:

The press is operated via a Matti Digital Front End (DFE) containing Harlequin RIP software, job queue and parameter adjustments of the printhead. Capable of processing PDF files and options to process IPDS (Intelligent Printer Data Stream) files and custom interfaces to access databases.

The DFE provides a top-level view of the inkjet printer and allows the operator to manage print jobs (job queue), prepare the files for print (RIP) and parameterise all aspects of the imprint system, such as dryer set points (if using a Matti dryer), ink delivery system and interfacing with host devices.

Ink Delivery System:

The Ink Delivery System (IDS) provides capacity for 1 off 10 litre cubic ok ink.

The IDS pumps the ink from the cubie preconditions the ink before sending it on the sub-tank in the printbar. Preconditioning consists of filtering and degassing of the inks. Filters and degassers are easily accessible; tubes and sealings are of highest possible compatibility to the broadest range of inks.

Drying:

The optional Matti drying units feature hot air and IR/NIR drying.

Drying functions are controlled from the main control panel allowing precise temperature settings up to a maximum of 100°C.

Cleaning and Capping:

Cleaning and capping of the active nozzles are carried out manually.

Technical

- Drop on Demand (DOD)
- Compatible ink: Aqueous and UV inks
- Recirculation ink configuration
- Max Jetting Frequency: up to 80 Khz (1200dpi)
- Resolution: 600 x 600 DPI or 1200 x 1200 DPI „subject to application“
- Print width: 108mm (4.25“)
- Minimum drop volume 1.5 pl
- Maximum drop volume 7.0 pl
- Single-pass printing at up to 150 m/min
- Print Head Size:
 - Width 400mm
 - Height 450mm
 - Depth 150mm

Head measurements are approximate.

About the Matti Group

The Matti Group researches, develops, produces and sells machines and turnkey solutions for the high speed digital inkjet printing market.

Thanks to the knowledge gathered through the integration of more than 1000 digital systems, we play a leading role in this business area. Our strength is the combined know-how and many years of experience in the fields of inkjet printing presses, finishing lines, drying techniques and most common digital printing technologies.

Our main office is located in Sulgen, Switzerland, where we develop, manufacture, test and offer customer support. Our clients are mainly original equipment manufactureres (OEM's) supplying and servicing the demands of data centres, print and publishing, security printing, direct mail / letter-shops, government bureaus, banking / insurance institutions and innovative printing companies. Matti's expertise also reaches into the label industry, designing narrow inkjet label presses, both UV and aqueous.

We ensure quality through technical expertise and reliability and our communication approach is open, friendly and fair.

The Matti Groups is ISO 9001:2015 and TUV certified and manufactures according to the UL standard.



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