

## Matti MonoJet MJ108 & MJ216



## Explore variable data printing ideas and opportunities:

The MJ108/MJ216 is a fully featured standalone economic solution, with web speeds of up to 200 mtrs/min, versatile fluid compatibility, offering inks for coated and uncoated stocks.

The 3 level greyscale allows the system for high quality picture reproduction.

Typically used in transactional, transpromo, security print, direct mail, commercial printing, packaging, corrugated packaging, folded cartons, and labelling industry sectors.

## Expand your capabilities:

The MJ108/MJ216 allows you to offer added value to documents printing, creating greater opportunities.

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

## Imprinting system for economical high quality on demand printing:

The MonoJet MJ108/MJ216 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.



## MonoJet Heredity:

The MonoJet MJ108/MJ216 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.

## Integration:

Integration services are available from Matti including base modules and precisely adjustable mounts for imprint heads.

# Fully featured "Standalone" Mono Imprinting System

## S-Box (Supply Unit):

The S-Box supplies ink to the printheads, manages degassing and filtering of the ink and controls the meniscus pressure of each attached printhead.

The S-Box houses the DFE server and provides the workplace for the operator, space for three fluid containers "ink, flush-fluid and waste "and space for Matti dryer module controllers.

One S-Box can drive up to 4 printheads.

## Digital Front End:

The printhead is controlled via a Matti Digital Front End (DFE) containing RIP software, job queue and parameter adjustments of the printhead. The software is capable of processing PDF files and custom interfaces to access databases.

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

## Cleaning and Capping:

Cleaning and capping of the active nozzles are carried out manually, using a combined cleaning/capping tool, ensuring easy and error free cleaning every time.



## 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.

## Technical:

- Kyocera KJ4B Series printhead (Recirculation structure through the printhead)
- Drop on Demand (DOD) technology
- Number of colors: 1
- Compatible ink: Aqueous inks
- Recirculating ink configuration
- Max Jetting Frequency: up to 40 Khz
- Resolution: 600 x 600 DPI & 600 x 300 DPI
- Print width: 108/216mm (8.5")
- Minimum drop volume: 5 pl
- Maximum drop volume: 12 pl
- Single-pass printing at up to 200m/min
- Printhead Size:

Width	420mm
Height	600mm
Depth	167mm

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.



### **Matti Technology AG**

Industriestrasse 9  
8583 Sulgen  
Switzerland  
[www.mattitech.ch](http://www.mattitech.ch)  
[info@mattitech.ch](mailto:info@mattitech.ch)  
Phone: +41-71-424 09 40

### **Matti Engineering AG**

Industriestrasse 9  
8583 Sulgen  
Switzerland  
[www.matti-engineering.ch](http://www.matti-engineering.ch)  
[info@matti-engineering.ch](mailto:info@matti-engineering.ch)  
Phone: +41-71-424 09 60