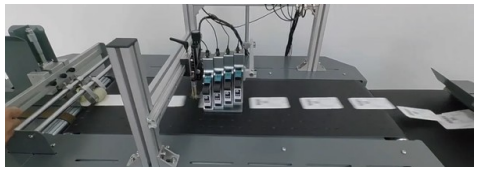
ONLINE THERMAL INKJET PRINTER · 1–4 HEADS

MO-508

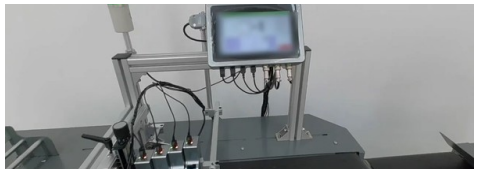
Online TIJ coder with up to four heads: large codes, barcodes and QR codes up to 50.8 mm tall, at up to 300 m/min

One 7-inch touchscreen controller drives one to four 12.7 mm heads, stitched for one tall message or separate for different codes.





Four heads stitched for one tall code



Controller and heads above the conveyor



7-inch touchscreen on the line

50.8 mm
Maximum print height

4 heads
From one controller

600 dpi
Resolution

300 m/min
Maximum line speed

The heads sit **side by side at the conveyor**: together they print one message up to 50.8 mm tall, or each prints its own code. With the cartridges' smart chip, the controller sets the ink parameters and shows what is left and the cost per print.

01	7-inch HD touchscreen, WYSIWYG message editing
02	1 to 4 heads of 12.7 mm, stitched or independent
03	Water-based, solvent-based or UV cartridges with smart chip
04	Heads can be swapped while running, head cables up to 30 m
05	Ethernet, RS232, 8 I/O for PLC and ERP/MES

01 What it prints

Aa	31	001	|||	QR	TXT
Text fonts	**Date** time, expiry	**Counter** 1–8 digits, with step	**Barcode** EAN, UPC, Code 128	**QR / DM** incl. GS1 formats	**Database** from a TXT file

PRINT TRIGGER

- **Photocell**
- **Encoder**
- **PLC / I/O signal**

02 Key specifications

Technology	**Thermal inkjet (TIJ), 1 to 4 print heads**
Print height	**12.7 mm per head · 25.4 / 38.1 / 50.8 mm with stitched heads**
Resolution	**up to 600 × 600 dpi, adjustable**
Line speed	**up to 300 m/min · up to 75 m/min at maximum resolution**
Print distance	**2–5 mm from the surface**
Ink	**TIJ 2.5 cartridges with smart chip: water-based, solvent-based or UV**
Display	**7-inch capacitive touchscreen, 1024 × 600**
Interfaces	**USB, Ethernet, RS232, HDMI, photocell, encoder, 8 I/O**
Head cables	**1.5 m standard, up to 30 m on request**
Users	**3 access levels: administrator, operator, unregistered**

Adhesion and durability of the print depend on the material and the ink. Detailed data is supplied with the quotation.

PRINTS ON

Carton · Paper and labels · Flexible film · Plastic · Wood

> Water-based for porous materials such as carton, paper and wood. Solvent-based for non-porous ones such as plastic and film.

ON THE LINE

The heads mount on a bracket beside or above the conveyor. With head cables up to 30 m, the controller can sit well away from the line.

ALSO AVAILABLE

MO-127, with one head, for codes up to 12.7 mm.

03 MELARKO support

Training

We walk you through the printer and message creation, on site or remotely.

Service and consumables

Factory-trained technicians, spare parts in stock and the right cartridge for your material.

No production downtime

A replacement unit while yours is being repaired. Coverage in Bulgaria, Greece, North Macedonia, Turkey and the Balkans.

Tell us what you need to mark

Send us the material, the message and the line speed. We will recommend the number of heads and the ink, and send you a quotation for the MO-508.

CONTACT

sales@melarko.com

www.melarko.com