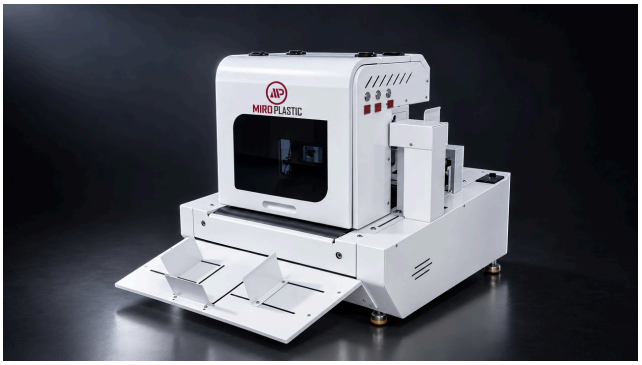
PRINTING

MiroPrint Eco Single-Pass Inkjet Printer — A3 printing size

Single-pass inkjet printer for paper bags, boxes and paper packaging — A3 printing size (300 mm wide), water-based CMYK ink, 1200 dpi.



300 mm	30 m/min	1200 dpi	Water-based, CMYK
PRINT WIDTH	PRINT SPEED	RESOLUTION	INK

A compact single-pass inkjet printer for printing straight onto paper packaging: paper bags, boxes, cartons, envelopes, napkins, lunch boxes, pizza boxes and packaging sheets. The printhead stays still and prints the full 300 mm width in one pass while a belt carries each piece underneath, so a job runs from the first piece to the last without a print carriage moving back and forth.

Pieces are loaded on the front feed table and fed automatically to a suction transfer platform that holds them flat under the head. It prints four colours (CMYK) with water-based ink — odourless, pigment or dye — from refillable cartridges with a continuous ink supply.

Each piece can carry its own design or data — names, numbers, codes — since every print is made straight from the computer, with no plates and no setup between designs. That makes short runs, samples and customised packaging practical. An automatic ink station keeps the nozzles moist while the printer stands idle.

PRINTING

Model	MPE-A3
Printing method	Single pass, one fixed printhead
Printhead	HP industrial inkjet printhead, A3 size, 1 head
Print width	300 mm
Print length	Continuous — no fixed length
Print height (thickness of the piece)	Up to 90 mm
Print speed	30 m/min
Resolution	1200 dpi (300 × 1200, 600 × 1200, 1200 × 1200 dpi)

INK

Ink type	Water-based, odourless, pigment or dye
Colours	CMYK (black, cyan, magenta, yellow)
Ink supply	Refillable cartridges with continuous ink supply
Nozzle protection	Automatic ink station keeps the nozzles moist

FEEDING AND CONTROL

Feeding	Automatic, belt conveyor with suction transfer platform
Z-axis	Precision screw drive
Positioning	Set in the software
Software	Maintop
Operating system	Windows 10
Data connection	Gigabit network card and fibre link

INSTALLATION

Voltage	220 V, 50 Hz
Working environment	18–35 °C, relative humidity 40–80%

MAIN COMPONENTS

1. HP industrial inkjet printhead
2. Belt conveyor with suction transfer platform
3. Z-axis on a precision screw drive
4. Variable-speed motor drive for the feed
5. Maintop printing software on Windows 10

KEY FEATURES

- Single-pass printing: one fixed printhead prints the full width while the piece moves beneath it.
- Automatic feeding from the front feed table onto a suction transfer platform.
- Prints on paper bags, boxes, cartons, corrugated board, napkins and flat paper packaging up to 90 mm thick.
- Water-based CMYK ink, odourless, in refillable cartridges with a continuous ink supply.
- No plates: every piece can carry a different design or variable data.
- Automatic ink station keeps the nozzles moist.

PHOTOGRAPHS



Front feed table, belt conveyor and printing head housing

WARRANTY & AFTER-SALES SERVICE

Every machine carries a warranty of one (1) year from the date of commissioning, covering the repair or replacement of parts in case of manufacturing defects. It does not cover malfunctions resulting from misuse, neglect or external factors such as unstable power, accidents, tampering or force majeure, nor wearing parts consumed in normal operation — sealing knives and cutting blades, Teflon tape, heaters, filters and screens.

Installation, commissioning and operator training are arranged by Miroplastic, and an operating manual is supplied with each machine. Technical support is available by telephone and email during the warranty period and thereafter. Spare parts and consumables are available from Miroplastic.

Photographs are for reference only. Miroplastic reserves the right to improve the specification of its machines without prior notice. Actual output depends on the material, width and thickness run.

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Lebanon · Sid el Bouchrieh · P.O. Box 90746 · T +961 1 688 908 · M +961 3 470 005 · info@miroplastic.com · miroplastic.com