

MD-5000

High performance pallet labelling



The MD-5000 is Zetes' high performance pallet labelling machine. It labels pallets on 1, 2 or 3 sides and generates EDI-compliant messages to maximise customer satisfaction and optimise delivery times. The MD-5000 is steered by an industrial real-time controller capable of exchanging data between all the components of your packaging line.

The MD series has been designed to meet the need for fast integration on packaging lines. Proven features deliver efficiency and ease of use in industrial environments. A modular approach with a wide range of configuration possibilities, result in minimal intervention time and consequently maximal productivity.

Labelling pallets on 1,2 or 3 sides

Pallet labelling in line with EDI and GS1 standards is key for supply chain efficiency. Zetes guarantees 100% labelling compliance. The MD-5000 is designed for 24/7 industrial environments. Integrating proven, standard industrial components, it is capable of labelling pallets on 1,2 or 3 sides.

Key benefits

Productivity

- Productivity gains due to a fast and easy installation of consumables (less than 60 seconds)
- Industrial print-engine with a rapid access for print head and roller changes

Traceability

- Compliant to GS1 requirements (barcode, grade)
- 100% barcode readable warranty (with barcode reader option)
- Increase data accuracy with ZetesAtlas integration

Efficiency

- User-friendly interface with system status alerts
- Ability to print & apply at rates up to 120 pallets / hour (according to GS1 standard)
- Speed-up production order launch and increase OEE* with ZetesAtlas integration

Reliability

- Industrial design and conception
- Maximum availability and uptime
- Industrial standard components

* OEE: Overall Equipment Effectiveness



MD-5000 specifications

Print features

- Industrial OEM print engine (e.g. Zebra, Sato)
- Thermal transfer, thermal direct, RFID
- Maximum print speed: 300 mm / s
- Linear and 2D barcodes supported

Mechanics & electronics

- Power: 240 VAC, 50 Hz, 5 A
- Pneumatics: Festo / SMC, 6 Bar compressed air
- Stainless steel cover

Dimensions

- L x W x H: 925 x 1160 x 1700 mm
- Unwinder: Inner: 40 / 76 mm - Outer: 350 mm
- Weight: +/- 175 kg

Labelling process

- 1 side
- Front & side (with 1 stop)
- Side & rear (with 1 stop)
- 3 sides (with 2 stops)

HMI

- 7 inch industrial tactile colour display
- Global interface
- Status, consumables diagram, technical parameters

Communication

- Ethernet / Wifi
- Various I/O's available
- Input: Output:
Start print On-line
Start apply process Process end
 Cylinder position

Label

- GS1 Standard (148 x 210 mm)
- Customised on demand

Options accessories

- Three-colour status beacon
- Barcode reader
- Cover for dusty environments
- Range of industrial stands
- Motorised adjustments
- Industrial panel PC

Supplies

Don't forget your labels and ribbons. To ensure optimal performance of your machine, contact us for the best-fitted supplies.

Labelling possibilities



ZetesAtlas



All Zetes' ID stations (MD series) are programmed to integrate directly with the ZetesAtlas Packaging Execution Solution. Connected to the ERP or MES, ZetesAtlas guarantees industrial effectiveness of your packaging processes and 100% data accuracy.



By combining automation and data processing, it ensures a total piloting of all tools (marking, weight, control, packaging ...). ZetesAtlas is the only agnostic PES on the market.

About Zetes

Leveraging more than 30 years of experience in labelling solutions combined with in-depth supply chain process understanding, Zetes' research department has designed the MD series to help multinational and mid-sized companies maximise efficiency on their packaging lines. From the analysis of the needs through to project implementation and responsive services and support.