# MD-4000

# Efficient labelling of items, boxes & trays



The MD-4000 is Zetes' flexible item labelling machine which can be configured with a choice of OEP print engines and applicator arms. It is steered by an industrial real-time controller capable of exchanging data between all the components of your packaging line. An integrated 7 inch industrial touch screen colour display provides ease of use and more system efficiency.

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.

# 100% labelling compliance

Box labelling in line with GS1 standards is key for supply chain efficiency. Zetes guarantees 100% labelling compliance. The MD-4000 system has been designed for 24/7 industrial environments. Integrating proven, standard industrial components, the MD-4000 ensures productivity improvements by maximising uptime of your operations (consumables and maintenance).

# **Key benefits**

# **Productivity**

- Productivity gains due to fast and easy installation of consumables (less than 60 seconds)
- Industrial print-engine with rapid access for print head and roller changes: rapid complete print-module change
- Wide range of applicators in line with industrial requirements

## **Traceability**

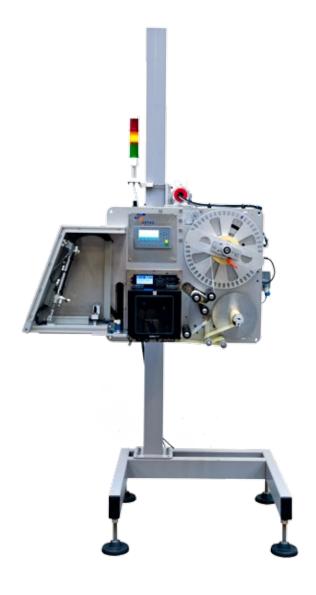
- Compliant to GS1 requirements (barcode, grade)
- 100% barcode readable warranty (with barcode reader option)
- 100% data accuracy with ZetesAtlas integration

#### **Efficiency**

- User-friendly interface with system status alerts
- Print & apply rates up to 100 labels / minute (depending on label size and data quantity)
- Speed-up production order launch and increase OEE\* with ZetesAtlas integration

# Reliability

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





<sup>\*</sup> OEE: Overall Equipment Effectiveness

# MD-4000 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

#### **Dimensions**

- L x W x H: 800 x 400 x 590 mm
- Unwinder: Inner: 40 / 76 mm Outer: 350 mm
- Weight: +/- 50 kg

# **Applicators**

- Blow, tamp, wipe, tamp & blow
- Side & front applications, corner wrap
- Customised application

#### **HMI**

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

## Communication

- Ethernet / Wifi
- Various I/O's available
- Input: Output:
  Start print On-line
  Start apply process End of cycle

## Label

- Width: 25-155 mm (print zone)
- Length: up to 300 mm (standard)

## **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

## Irregular surfaces



Sensitive packages





## Boxes



Bags











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.

