

# SmartDate® 5

thermal transfer coders ■ ■ ■



## Our technology ■ ■ ■

Market leading thermal transfer overprinters deliver the highest quality printing at the fastest speeds on flexible packaging films, foils and labels.

The SmartDate® 5 delivers a new level of efficiency in date, batch and traceability codes. Accurate product details from ingredients to barcodes for the food, personal care and pharmaceutical industries worldwide.

## Your benefits ■ ■ ■

**Productivity** – Advanced ribbon saving features including industry leading 0.5 mm print gap, delivering more prints for the same length ribbon.

**Performance** – Prints up to 1000 mm/sec. Meets extreme substrate acceleration/deceleration challenges. Prints at speeds as low as 5 mm/sec.

**Efficiency** – WYSIWYG print preview displayed on color touch-screen. USB connectivity to download print images and collect coding data logs from standard memory sticks.

**Simplicity** - Advanced digital colour control enables you to set printer and production parameters including auto rolling of date and shift codes.

**Flexibility** – Color touch-screen or classic monochrome controller. Integrated or networked control options available. Switch from intermittent to continuous operation easily.

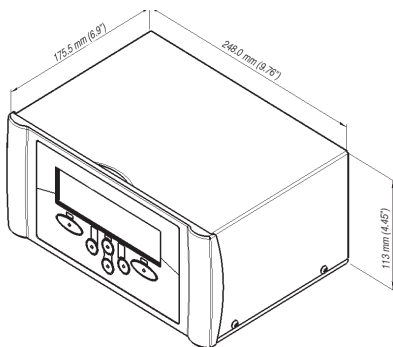


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the team to trust ■ ■ ■

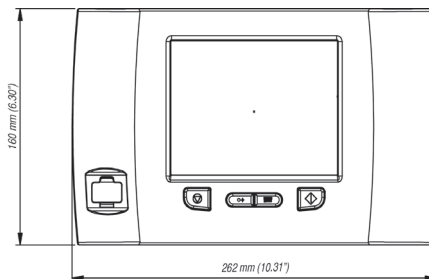
## Print features ■ ■ ■

- Print speed:
  - Intermittent: 55 to 700 mm/s
  - Continuous: 5 to 1000 mm/s
  - Continuous: 5 to 1800 mm/s shuttled
- Print area:
  - Intermittent: 53 mm x 75 mm
  - Continuous: 53 mm x 150 mm
- Print features:
  - DRM – Digital Ribbon Management – full electronic management of the ribbon
  - DRA – Digital Ribbon Advance – electronics, mechanics and software ensuring that the gap between the prints is kept at 0.5 mm
  - DRS – Digital Ribbon Save (5s only) – reduces your consumable costs
  - Relative motion – no missed prints (not available on 5s)
  - Automatic shift codes and serial numbers
  - Multiple variable user input fields with alpha numeric texts
- Print specifications: \*Full true type font support, including non Roman characters and symbols. Printing of the real time clock, dates and auto updating best before dates Barcodes; ITF, Code 39, Code 128, EAN 128, EAN 8, EAN 13, UPC A, UPC E, RSS linear \*0.5 mm standard gap between prints \*PDF 417, ID Matrix, QR and Composite RSS barcodes support



## Operations ■ ■ ■

- Color user led interface (standard) backlit color LCD TFT touch screen
- WYSIWYG print preview of printed image
- Display of ribbon remaining
- Full diagnostics
- Robust LED status indicators on the printer
- Webbing diagram for fast ribbon changes
- Hardware interface:
  - Inputs – “Print go” and 1 configurable input
  - Outputs – Fault, warning, and 2 configurable outputs
  - Optional Expansion PCB for additional inputs, outputs and communications ports
- SW interface:
  - USB for downloading images, settings and data files (Color version only)
  - RS232, Ethernet communications standard
  - Communications protocols for PCs, PLC and packaging machines including full remote control web server
- Software
  - CoLOS® Create image design software included
  - CoLOS® Create Pro (Optional)
  - CoLOS® Enterprise for networking (Optional)

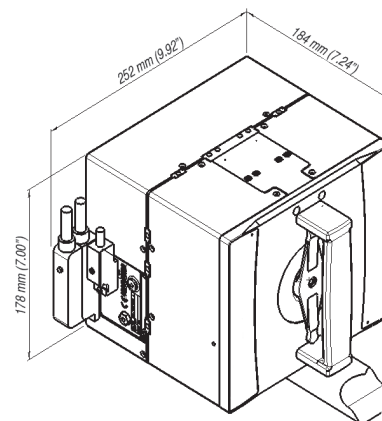


## Other characteristics ■ ■ ■

- Supplies: Thermal transfer ribbon available in a variety of grades and colors
- Maximum ribbon length 900 m
- Minimum ribbon width 20 mm
- Maximum ribbon width 55 mm
- Weight:
  - Printer: 7.8 kg
  - Color controller: 4.5 kg
  - Classic controller: 4.0 kg
- Electrical and air: 90 – 264 V, 47 – 63 Hz power supply Typical current consumption 1 A @ 230V, 2A @ 100V
- Air supply: 6 bar/90 psi (maximum) dry, uncontaminated
- Air consumption: 0.5 ml/cycle
- 6 bar max, dry uncontaminated

## Options ■ ■ ■

- Classic user interface Backlit mono chrome graphic LCD Unicode character support, display of ribbon remaining and Full diagnostics



To learn more visit, [www.markem-imaje.com](http://www.markem-imaje.com)



We reserve the right to amend the design and/or specifications of our products without notice.

9, rue Gaspard Monge  
B.P. 110  
26501 Bourg-lès-Valence Cedex - France  
Tel.: +33 (0) 4 75 75 55 00  
Fax: +33 (0) 4 75 82 98 10

150 Congress Street  
Keene, NH 03431  
United States of America  
Tel.: +1 800-258-5356  
Fax: +1 603-357-1835



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