Markem-Imaje's commitment:
to transfer more value to you.

By making total cost of ownership and the environment essential to the design of the SmartDate X40, Markem-Imaje is firmly committed to constantly enhancing the standards of thermal transfer technology. The SmartDate X40 represents a transparent, advanced coding solution including long term cost control, planet conscious design, greater uptime and increased performance on the line even in harsh environmental conditions.

Cost reduction

- Large range of ribbon widths, 20 mm to 55 mm, optimizes ribbon usage.
- Includes CoLOS® Create 5.0 software with automatic ribbon optimization feature.
- Patented ribbon saving features help to minimize ribbon waste.
- Lower cost 32 mm printhead option (standard 53 mm) for applications requiring less than 35 mm ribbon.
- Standard 1100 m ribbon reduces changeovers and improves cost per print.

Operation optimization

- Real-time access to availability ratio, ribbon status and "dead-dot" detection.
- 1100 m standard ribbon length for more uptime.
- Intelligent data entry function allowing for easy and secure job management thus reducing errors.
- Intuitive CoLOS® Create 5.0 software for simple message design.

Unmatched reliability

- Unrivaled printhead warranty*.
- Zero preventative maintenance visits thanks to robust features including; direct ribbon drive and improved cassette design which contain no wear parts.
- Excellent availability ratio of up to 99.6%** without assistance due to standard 1100 m ribbon.
- IP protection option for harsh environmental conditions and frequent pressurized water cleaning
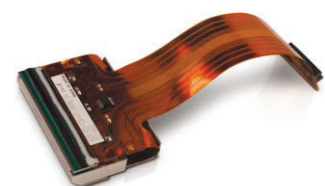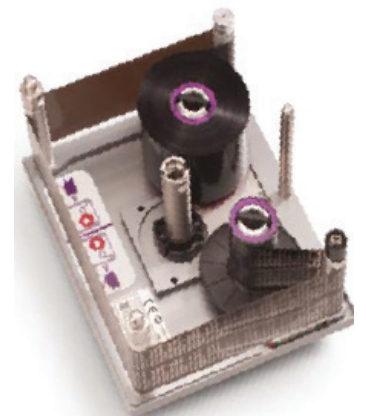
High performance printing

- Introducing intelligent printhead, with automatic setup and dead-dot detection for optimum print quality.
- Optional promotional coding feature allowing for a unique code on each pack.
- Print speeds up to 600 mm/s.
- High quality 300 dpi resolution.

Eco-initiatives

- Air consumption down to 0.4 ml/print at 2.5 bar.
- Up to 50% reduction in power consumption.
- Up to 20% less ribbon waste with new standard ribbon design.
- Power saving features within the controller improve energy efficiency.

*See conditions defined by Markem-Imaje.
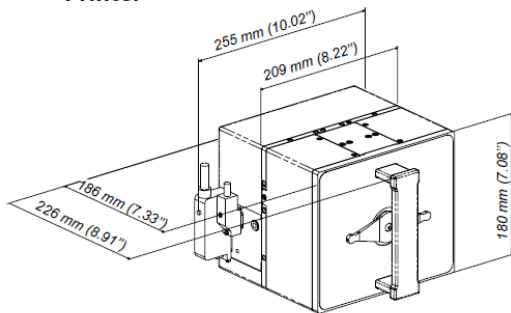**Availability ratio = Uptime / (Uptime + Downtime)

Print features

- Print speed:
- – Intermittent: up to 600 mm/s
- – Continuous: 10 to 600 mm/s
- Print area:
- – Intermittent: 53 mm or 32 mm x 75 mm
- – Continuous: 53 mm or 32 mm x 100 mm
- Print features:
- – Automatic printhead setup
- – Dead-dot detection
- – Intermittent and continuous printer
- – Easily changes from left to right hand with no additional parts
- – Average gap between prints 0.5 mm
- – Automatic shift codes and serial numbers
- – Multiple variable user input fields with alpha-numeric texts
- Ribbon saving mode:
- – Radial ribbon saving
- – Interlaced mode
- – Multi-print triggers
- – Negative ribbon advance
- Print specifications: Full true type font support, including non-Roman characters and symbols. Printing of 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, PDF 417, ID Matrix, QR and Composite RSS barcodes support

Other characteristics

- Supplies: Thermal transfer ribbon available in a variety of grades and colors
- Maximum ribbon length: up to 1100 m
- Minimum ribbon width: 20 mm
- Maximum ribbon width: 55 mm
- Weight:
  - Printer: 7.8 kg
  - Color controller: 4.5 kg
  - Mono controller: 4.0 kg
- Electrical power supply: 90 – 264 V with automatic switching; frequency 47/63 Hz; power 150 VA
- Air supply: 6 bar/90 psi (maximum) dry, uncontaminated
- Air consumption: down to 0.4 ml/print at 2.5 bar
- Operating temperature range: 0 to 40°C
- Humidity: 10% to 90% non-condensing

Operations

- User interface: Monochromatic user interface or color LCD touch screen for message selection, variable data entry, diagnostics and system setup
- Master/slave function to allow master control up to 4 slaves
- WYSIWYG print preview of printed message, real-time display of remaining print capacity expressed in hours and number of prints
- 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
- S/W interface:
  - USB for downloading images, settings and data files
  - RS232, Ethernet communications standard
  - Communications protocols for PCs, PLC and packaging machines, including full remote control web server

PC software

- Included, free of charge, CoLOS® Create 5.0 for design of simple messages; compatible with CoLOS® Create Pro and Enterprise version 4 or higher.

Options

- Web UI for OEM integration
- IP protection option suitable for pressured water cleaning
- OEM control box for easy integration

Accessories

- Mounting bracket
- Encoders
- IP protection kit for installed SmartDate X40

Printer

255 mm (10.02")
209 mm (8.22")
186 mm (7.33")
226 mm (8.91")
180 mm (7.08")

Controller

160 mm (6.30")
262 mm (10.31")
175.5 mm (6.9")
248.0 mm (9.76")
113 mm (4.45")

PYROTEC PACKMARK

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