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a DOVER company



Thermal transfer overprinting **SmartDate® X30**



Transferring more capability to you

The **SmartDate® X30** is a robust one-box solution that can easily be installed on your line or integrated by OEMs. It prints at up to 600 mm per second at 300 dpi and is the ideal coder for low-to-medium-speed production lines printing on flexible film.

The optional remote user interface (RUI) further enhances usability. From message selection to print adjustments, everything is just one click away. Operators can also monitor their five most critical production metrics directly from the home screen, ensuring efficient oversight and improved productivity.

Your benefits

- Airless to increase uptime and reduce expenses
- Reduces downtime with the TTO market's first Advanced Consumables Management (ACM) system
- Markem-Imaje quality service you can trust

Product features

Operational efficiency

- No need to install plant air. In addition to reducing costs, print quality will remain constant through the years.
- ACM system - Ribbons and printhead are automatically recognized and adjusted to the printer. No human intervention required, no mistakes.
- Dead-dot detection system to eliminate faulty codes - Constant quality codes thanks to unique printhead monitoring.

Cost-effective reliability

- Simple, robust design—proven in packaging facilities worldwide—delivers consistent results you can rely on.
- Up to 15%* more codes per roll - Large choice of ribbons based on your packaging type and needs.
- Gain direct access to one single point of contact for expert support on both your coder and ribbon.

Enhanced customer experience

- Extremely compact (20 cm x 17 cm x 18 cm), it can easily be integrated into your production line and integrated by OEMs.
- USB 2.0 connectivity- For easy connection of keyboards, barcode scanners and USB memory sticks.
- An optional 10.1" touchscreen RUI can be connected and positioned anywhere on the packaging machine.
- Configurable RUI home screen and password-protected user profiles manage access and limit human-related errors.

*Compared to other competitive models

SmartDate® X30 Specifications

Print Features

Print speed:

Intermittent: 100 to 600 mm/s
Continuous: 50 to 600 mm/s

Print area:

Intermittent: 32 mm x 40 mm
Continuous: 32 mm x 100 mm

Gap between prints: 0.5 mm

Print features:

Automatic printhead setup
Detect: Dead-dot detection
Automatic shift codes and serial numbers
Multiple variable user input fields with alpha-numeric texts

Print features: Printing of real-time clock, dates and auto-updating best before dates, barcodes

Fonts: True Type font support, including non-Roman characters and symbols

Wide choice of 1D and 2D barcodes: Han Xin, GS1 standard compliant, DataMatrix, QR and Composite RSS barcodes support

Consumable Specifications

Thermal transfer ribbons available in a variety of grades and colors

Maximum ribbon length: up to 700 m

Ribbon width: 22 mm and 33 mm

Ribbon save options: Radial ribbon save mode and interlaced mode

Best results with **SmartDate® Xceed**, **SmartDate® Xtra** and **SmartDate® Xpert** ribbon ranges

Operating Characteristics

Hardware interface:

Inputs: "Print go" and 1 configurable input
Outputs: Fault and warning

Software interface:

USB for uploading and downloading images, settings and data files, message storage location. RS232, Ethernet communications standard.
Communications protocols for PCs, PLCs and packaging machines; web browser on the host PC; Virtual Network Computing

Other:

Parent/Child function to allow control up to 7 printers
Robust LED status indicators on the printer

Weight:

- Intermittent printer: 5.5 kg
- Continuous printer: 5.0 Kg

Environment:

Temperature range: 0°C to 40°C
Humidity: 10% to 90% non-condensing
Electrical power supply: ~ 110 – 230 Vac (+/- 10%)
50 – 60 Hz

SmartDate® X30 without power supply requires 24 VDC

No air supply required

Options and Accessories

User interface:

Optional color remote user interface
Optional handheld terminal interface with LCD screen for message selection, variable data entry, diagnostics and system setup
Hot swappable/removable user interface
Enhanced diagnostics
Print adjust, on-board configurable password protection

Accessories:

Mounting bracket, encoders and barcode scanner

Service

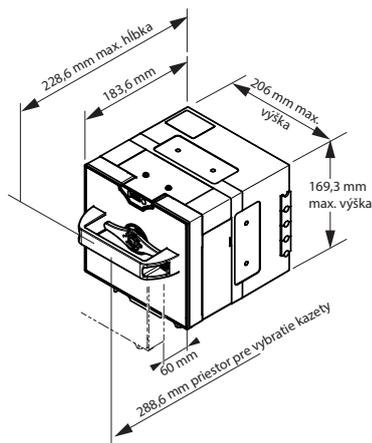
Markem-Imaje offers the sector's most comprehensive array of digital, remote and on-site services to further empower our customers to maximize the return on their investment in our solutions. Designed to satisfy Industry 4.0 demands for increased customization and remote 24/7 digital assistance to reduce downtime, the portfolio of maintenance services is tailored according to user needs, skills and available resources

Software

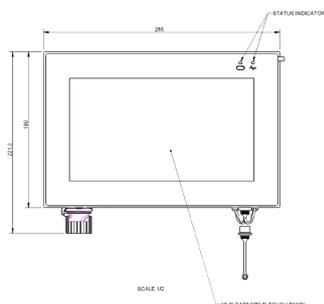
CoLOS® Software and Packaging Intelligence Solutions: Modular solutions for message creation/code management and control, integration with ERPs/MES/WMS, product inspection, coding and packaging integrity, promotional coding/serialization and aggregation, production control and Key Performance Indicators (KPI), tracking and consumer engagement

CoLOS® Free (included), **CoLOS®** Base (optional), **CoLOS®** Line (optional) and **CoLOS®** Factory (optional)

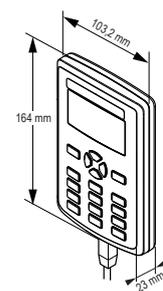
SmartDate® X30



Remote User Interface (RUI)



Handheld user interface



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