



Professional Packaging Systems

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Markem-Imaje SmartDate X45 Thermal Transfer Printer



At a Glance

- High-quality coding on flexible film packaging up to 220 packs per minute
- Intuitive 10.1 inch user interface makes daily operations easy
- Print area up to 53 mm x 250 mm

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

High-Quality Coding on Flexible Film Packaging up to 220 Packs per Minute

Designed for medium-duty applications, the Markem-Imaje SmartDate X45 delivers high-quality coding on flexible film packaging up to 220 packs per minute.

Its fully intuitive 10.1" user interface makes daily operations easy and straightforward while providing the most valuable information you need to optimize and improve your Overall Equipment Effectiveness (OEE) through MI Sigma reporting.

Enhanced SmartDate Experience

Optimized Tracking of OEE Data Coder can be configured to monitor your 5 most important production metrics directly from your home screen e.g., pack rate, throughput, availability.

Tutorials to Facilitate Daily Activities Animated help and how-to tutorials provide guidance on setup and daily maintenance procedures to ensure consistent print quality.

Profile Configurator for Error-Free Operation Configurable profile password function (operator, supervisor and engineer) manages access and limits human-related errors.

High-Performance Printing

Supports Your Marketing Campaigns Promotional coding function allows for unique coding on each pack.

Eliminates Faulty Codes and Protects Your Brand In addition to its dead-dot detection system, the easy-to-install SmartDate Detect-Plus system checks and confirms the presence, position and quality of the code on every pack and directly on the user 10.1" interface.

Achieves Superior Printing Speeds Print speed can be set from 30 mm to 600 mm per second allowing for up to 220 printed packs per minute at 300 dpi.

Cost-Effective Reliability

Zero Preventive Maintenance Robust direct ribbon drive and cassette design contain no wear parts.

Adapted for Your Production Line Choice between intermittent or continuous configurations and 32 mm or 53 mm printheads.

Up to 15% More Codes per Roll Large choice of ribbon rolls based on your packaging type and needs.

Operations

User interface: - 10.1" full colour 1024 x 600 touch screen - Message selection - Variable data entry - Diagnostics - System setup

MI Sigma functionality

Advanced health and availability monitoring

Configurable user home screen

Animated help tutorials: - Ribbon fitting - Printhead cleaning - Printhead replacing

Simple print adjust

Parent/Child function to allow parent control for up to 7 children

Configurable password protection capability

WYSIWYG print preview of printed message, real-time display of remaining print capacity expressed in hours and number of prints

Full diagnostics (pack rate, speed)

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

Software 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

Print Features

Print speed: - Intermittent: Up to 600 mm/s - Continuous: 30 to 600 mm/s

Print area: - Intermittent: 32 mm or 53 mm x 75 mm - Continuous: 32 mm or 53 mm x 250 mm

Print features: - Automatic printhead setup - Detect: Dead-dot detection - Quick change printhead - Intermittent or continuous printing - Easily change from left to right hand with no additional parts - Gap between prints: 0.5 mm - Automatic shift codes and serial numbers - Multiple variable user input fields with alphanumeric texts - High pack-rate mode

Ribbon saving mode: - Radial ribbon save - Interlaced mode - Radial mode 1 - Radial mode 2 - Radial interlaced - Whitespace - Radial whitespace - Step 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, GS1 DataMatrix, QR and Composite RSS

Other Characteristics

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

Power: 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

Options

Detect-Plus code detection

Promotional coding

WEB Browser and Virtual Network Computing support

IP protection kit for installed SmartDate X45

Accessories

Mounting bracket

Encoders

Software

Included CoLOS Free 6.0 for design of simple messages

Material Types

High-barrier films

Stick packs

Seal bags

Seal wrappers

Pouches

Metalized labels

Decorative labels

Industries

Cosmetics

Pharmaceuticals

Snack food

Pet food

Food

Dairy

Confectionery

Beverage

Please [contact Pro Pac](#) or call 888-318-0083 for your printing and date-coding equipment.