



Professional Packaging Systems

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Markem-Imaje 4500 Large Character Valvejet Printer



At a Glance

- Large character printing for cases and cartons
- Easy operation at your fingertips
- Start printing 30 minutes after you open the box

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.

Large Character Printing for Cases and Cartons

The Markem-Imaje 4500 large character valvejet printer offers single-sided, drop-on-demand lower resolution, cost-effective printing for cartons and cases.

The 4500 printer is designed for easy installation and operation. Highly responsive color touch screen makes daily operations immediate and simple.

Benefits

Simple User Interface Easy operation at your fingertips and in your local language with simple, intuitive 5.7 inch touch screen user interface.

More Uptime in Daily Use Clean plug and play consumable changeover in less than 30 seconds, with no daily maintenance required.

Connect Your Data Extended connectivity for enhanced ease of use. Download or back up production data via USB stick.

No Code No Box Avoid non-coded boxes with embedded conveyor stop output.

Simple Installation & Integration

Fits on Any Line Compactness and head positioning options make it ideal for hard to access production lines, variety of package sizes and environments.

Out of the Box and Directly on Your Line No need for special training or plant air to install. Start printing 30 minutes after you open the box.

Smart Consumable System No set-up required. Consumable management is automatic, clean and fully secure.

Ideal for Seasonal Use Can be easily stored for weeks and restarted immediately (up to 3 months and without flushing).

Printing with Value

Large Codes Identify your boxes with codes up to 56 mm high.

Quality Codes Prevent Recalls Prevent product recalls and waste through consistent quality print. Latest printhead generation ensures text and logos are legible from a distance thus simplifying internal logistics.

Large Ink Bottles with Quick Replacement Production uptime through its enhanced drop control system: More than 39,000 cartons with one 1L ink bottle. Bottle can be replaced quickly for maximum uptime. 0.5L bottle also available.

Choice of Colored Inks Choose between black or red for your porous packaging (cardboard, paper). Code will remain readable even in the toughest storage conditions.

Print Features

Black and red water-based ink colors for porous substrates

0.5 or 1L ink bottle, with ink level alarm. Indication of remaining ink on the screen

7 nozzle print heads to print 1 line of 13 mm or 24 mm

16 nozzle print heads to print 1 line of 29 or 56 mm or 2 lines of 13 or 24 mm each

Prints text, time, date, expiration dates, shift code, counters, images (png or bmp)

Calendar feature for custom date formats

200 messages minimum of 100 characters each

Character width adjustment

Print delay for message placement

Top and side printing

2-20 mm print distance between the printhead and the object

Print direction from right or left

Print speed up to 60 m/min

Ink circuit: - Internally regulated - No adjustments needed - No need of plant air

Character sets: - Unicode capability. Latin, Arabic, Cyrillic, Chinese (simplified), Chinese (traditional), Greek, Hebrew, Japanese, Thai, etc.

Support for TrueType and BDF-font format

Font matrix: - 7N : 5x5, 7x5 - 16N: 5x5, 5x7, 12x10, 16x10

Operations

One button only, to activate/deactivate print.

Operator Interface: Intuitive icon-based WYSIWYG 144.8 mm (5.7") touch screen.

Interface available in 32 languages: - Arabic, Brazilian, Bulgarian, Chinese (simplified), Croatian, Czech, Danish, Dutch, English, Finnish, Greek, Hebrew, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Farsi, French, German, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Taiwanese, Thai, Turkish, Vietnamese.

3 user levels: - Operator - Advanced Operator - Administrator

Full message editor included.

Instructions can be given in one language while messages can be printed in another language and/or character set.

Import/export jobs and printer settings through USB.
Direct purge button function on controller for convenient cleaning.
Supplied as complete functional system out-of-the-box.

Other Characteristics

Manual set or built-in print speed detection
Object detection by integrated photocells
Conveyor stoppage output on printer error
Optional external signal beacon
Gregorian, Julian and Hijri calendars
Operating temperature: 5° to 45° C, (41° to 113° F)
Weight: approx. 4.5 kg (9,92 lbs) without ink bottle
Humidity: from 10 to 90% without condensation
Protection Class: IP54
Power Supply: 110/230 V AC, 50/60 Hz. External AC/DC power pack. 24 V (DC): 1.5 A.
Included: printer, brackets, power supply, cable, DVD-Rom with instruction and user manuals.

Material Types

Dispatch boxes
Cardboard boxes
Corrugate

Industries

Oil and gas
Soft drinks
Snack food
Pharmaceuticals
Pet food
Personal care
Industrial components
Food
Extrusion
Electronics
Electrical
Egg
Dairy
Cosmetics
Construction
Confectionery
Beverage
Beer and cider
Automotive
Aerospace

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