



Our technology ■ ■ ■

The 5600 large character inkjet printer represents the latest in liquid piezo technology, delivering a uniquely competitive cost-per-print coding solution for your corrugate cases and trays.

Markem-Imaje's patent pending, quick-drying liquid ink, combined with our printhead technology, provides superior opacity delivering clear, consistent images, text and readable barcodes with less ink per print.

Your benefits ■ ■ ■

Performance – Quick-drying liquid ink prints on a wide range of porous substrates and in environments ranging from 0 to 40 °C. The printer, boasting print speeds up to 182 m/min., can be equipped with an optional printhead slide assembly optimizing both print gap control and print quality.

Flexibility – Cutting-edge communication capabilities include color touch screen, Ethernet, USB, and web user interface. Optional CoLOS® Enterprise networking software is available for central management of data from remote databases or ERP systems. Compact, modular design for stand-alone operation or complete integration. Fully upgradeable hardware and software to meet changing business needs.

Efficiency – The advanced rigid ink management system, which includes a large capacity, self-contained, cartridge designed to recover purged ink, can be replaced during production for continuous operation. Our unique ink jetting technology reduces mess and maintenance for ultimate control of printing costs.

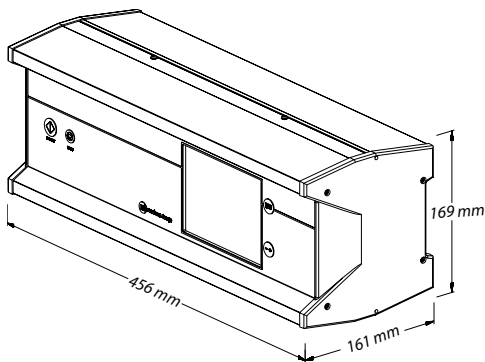


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the team to trust ■ ■ ■

Print features ■ ■ ■

- Printhead dpi:
Vertical dpi: 100
Addressable jets: 256
Nozzles: 256
- Print speed: Continuous
Print density 1 - 100 by 150 dpi
Up to 182 m/min
Print density 2 - 100 by 300 dpi
Up to 91 m/min
Print density 3 - 100 by 450 dpi
Up to 61 m/min
Print density 4 - 100 by 600 dpi
Up to 45 m/min
Print density 5 - 100 by 750 dpi
Up to 36 m/min
- Print densities available: 1 to 8
- Encoder scaling: Allows for conveyor line speed matching and for higher print speeds with a reduction in print resolution
- Print area: Maximum/printhead print height: 65 mm, print length: 1,000 mm
- Print specification: Full true type font supported
- Printing of real-time clock (hr/min), dates and auto updating best before dates and serial numbers
- Barcodes (Linear and 2D): ITF, Code 39, Code 128, EAN 128, EAN 8, EAN 13, UPC A, UPC E, Datamatrix, RSS linear, RSS composite, QR, RSS 14, RSS expanded, PDF 417



Operations ■ ■ ■

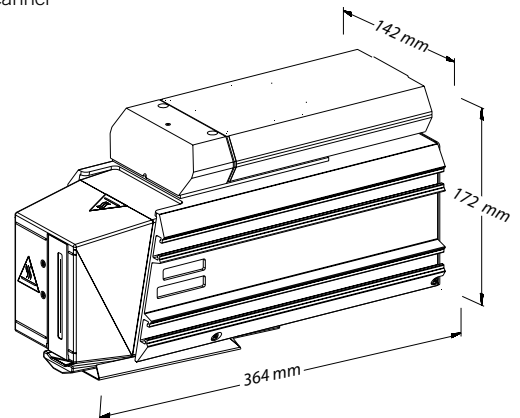
- 5600: Up to two printheads
- User interface: Color LCD touch screen used for message selection, variable data entry, diagnostics and system setup
- Selectable multi-language menus
- Message preview
- Access level password protection
- Full system diagnostic menu
- Printhead orientations: Vertical or up 20° of process direction
- Software:
 - CoLOS® Create image design software
 - CoLOS® Create Pro (Optional)
 - CoLOS® Enterprise for networking (Optional)
- Encoder options:
 - Internal: For fixed conveyor speed printing
 - External: For optimizing print quality
Recommended for barcode printing
- Photo-edge sensors: Print (trigger) signal
Maximum of two per system
- Software interface:
 - USB for downloading images, settings and data files
 - Ethernet (including web user interface)
 - Communications protocols for PCs, PLCs and packaging machines
- Hardware outputs: 3 fault relays
- Ink replenishment: User prompted to add ink; can be filled without the need to suspend printing
- Interfaces: Hand-held product select scanner

Other characteristics ■ ■ ■

- Weight: Printhead: 7.2 kg Control box: 11.2 kg
- Quick-drying liquid ink
- Electrical and environmental: 100-240 V 600 watts, 50-60 Hz. CE Marked. ETL listed, conforms to ANSI/UL 60950, 3rd edition (2000); CAN/CSA No. 60950-00, 3rd edition (2000)
- Operating environment of 0 to 40 °C (32 to 104 °F). IP42 (controller only)
- Manuals: Instruction manual and CD-ROM user guide (includes spare parts, options, and accessories catalog)
- Local language versions for the color user interface
- Regional technical and product telephone support
- Technical and product website support

Options ■ ■ ■

- Printhead slide assembly
- Signal tower assembly
- Post print barcode scanner assembly
- TU look-up assembly
- Optional expansion unit (OEU) - support 11 inputs, 8 outputs and 1 additional scanner port
- Printer service kits
- Preventive maintenance and service contracts
- On-site product and technical support



To learn more, visit www.markem-imaje.com



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

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