5000 Series high resolution inkjet coders are designed to rapidly fill and jet Touch Dry® hot melt inks which are solvent-free, safe to handle and environmentally friendly. Codes never bleed or fade, dry on contact and are 100% readable. Intelli’Wax printheads combined with our exclusive Intelli’Dark Touch Dry ink produce the darkest, consistently scannable, direct print codes in the industry.

**Improved productivity**

- **Less Downtime**
  The 5000 Series with Intelli’Wax printheads improves productivity by enabling operators to replenish ink without stopping the production line.

- **Designed for efficiency**
  Uncomplicated menu structure combined with easy to navigate touch screen user interface results in faster job changes and effortless operation.

- **Less operator intervention**
  Our solventless, ink and autopurge technology reduce operator maintenance.

**Enhanced performance**

- **GS1-128 codes**
  Improve direct print images on corrugate with Intelli’Dark for higher contrast barcodes with improved scannability. Markem-Imaje offers the highest optical density ink to achieve C-grade GS1-128 barcodes.

- **Patented Touch Dry® hot melt inks**
  Print on a wide range of substrates and in environments ranging from 0 to 40 °C., a much wider range of inks than competitive printers.

- **High quality codes faster**
  Large drop volume at high frequency provides reliable printing at speeds up to 121 meters/minute (barcodes).

**Increased flexibility**

- **Easier line integration**
  Multiple jetting orientations; single side, opposite side, side (up to 30° tilt angle for inclined conveyors), and top printing and smaller overall footprint.

- **Equipped for your application**
  Product configuration options include scanners, cameras, encoders, printhead slide assemblies, and stands.

- **Connect to your ERP**
  With CoLOS™ software the 5800 can be integrated with production lines, databases, or ERP systems to automatically populate image designs.
5800 - Specifications

Print features
- Printhead dpi
  - Vertical dpi: 200
  - Addressable jets: 256
  - Nozzles: 512

- Print densities available: 1 to 8
- Encoder scaling: Allows for conveyor line speed matching and for higher print speeds with a reduction in the print resolution
- Print area: Maximum/printhead print height: 65 mm (2.56") Print length: 3,000 mm (39.3")
- Print specification: Full true type fonts supported
- Printing of real-time clock (hr/min/sec), 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, Data Matrix, RSS linear, RSS composite, QR, RSS 14, RSS expanded, PDF 417

Operations
- 5800: Up to two printheads or 2 - 5800s in parent-child mode provide up to four printheads
- User interface: Color LCD touch screen used for image selection, variable data entry, diagnostics and system setup.
- Selectable multi-language menus
- Image preview
- Access level password protection
- Full system diagnostic menu
- Printhead orientations: Vertical or up to 30° in process direction
- Software:
  - CoLOS® Create image design software included
  - 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 and a 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
  - Compatible with Weihenstephan standard
- Hardware outputs: (3) Fault relay
- 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 k
- Touch Dry® hot melt inks: Available in various series, colors
- Electrical and environmental: 100-240 V, 50-60 Hz.

System | Measured operating power | Peak power during warm-up
--- | --- | ---
1 head | 150 watts | 600 watts
2 heads | 250 watts | 600 watts
3 head | 400 watts | 600 watts
4 heads | 500 watts | 600 watts

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 kits and contracts
- On-site product and tech support

Print Density | DPI - Ink Drops per Inch | Typical Speed (m/min) | Maximum Speed (m/min)
--- | --- | --- | ---
1 | 150 x 200 | 121.9 | 172
2 | 300 x 200 | 61 | 86
3 | 450 x 200 | 40.6 | 57
4 | 600 x 200 | 30.5 | 43
5 | 750 x 200 | 24.4 | 34

We reserve the right to amend the design and/or specifications of our products without notice.
©2019 Markem-Imaje Corporation. All rights reserved.

Markem-Imaje
Global Sales & Marketing Division
9, rue Gaspard Monge
B.P. 110
26501 Bourg-lès-Valence Cedex France
Tél. : +33 (0) 4 75 75 55 00
Fax : +33 (0) 4 75 82 98 10

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

Photos: Al Karevy Photography, Ginko
Printed in France on recycled paper - A39918 - F1