



## Touch Dry® high-resolution inkjet coders **5800**



### High-contrast text, logos and barcodes right code on the right case

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.

### Your benefits

- 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.

## Product features

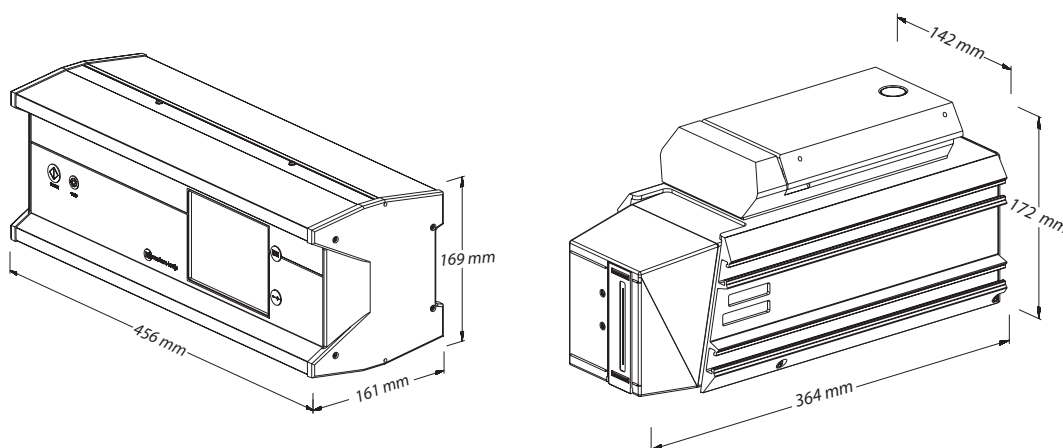
### Enhanced performance

- GS1-128 codes. Improve direct print images on corrugate with **Intelli'Dark®** for higher contrast barcodes with improved scannability. Markem-ijaje 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 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

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 kg

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

FCC Part 5 Subpart B, ICES 003; UL STD 62368-1; Certified to CSA STD C22.2 # 62368-1; ETL mark for USA, Canada; CE: EMC directive 2014/30/EU, Machinery directive 2006/42/EC

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 telephone technical and product support,

Web site technical and product support

## Accessories

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



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a DOVER company