

Hx Evo Industrial Inkjet Printer

Delivers high-adhesion, durable coding for pipes, extrusions, cables, cartons, pouches, and other demanding industrial applications.

Up to 18mm

Hx Evo

www.maplejet.com

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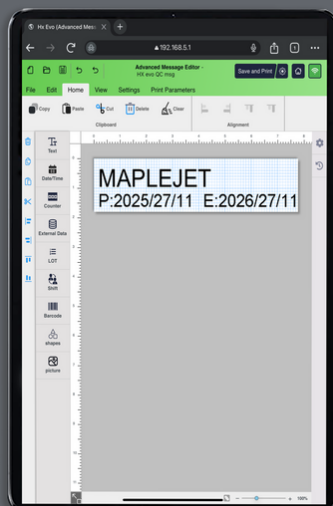
Hx Evo is MapleJet's industrial-grade coding solution designed for challenging applications such as pipes, extrusions, cables, and other continuous or irregular production lines. Built for durability and consistent performance, Hx Evo delivers high-resolution, non-contact printing at fast line speeds, ensuring crisp, permanent codes even on demanding substrates. Its compact design, robust printhead, and seamless integration capabilities make it ideal for manufacturers looking for a reliable, low-maintenance alternative to traditional CIJ systems.



| PRINTER MODEL | Hx Evo 18mm (Oil-based Ink) | Hx Evo 18mm (Solvent and UV based Ink) |
|------------------------|--|--|
| PRINT HEIGHT | 18mm (.7 inches) Permanent Head | 18mm (.7 inches) Permanent Head |
| MATERIAL COMPATIBILITY | Porous substrates | Non-porous substrates |
| KEY FEATURE | High resolution, fade-proof marks on cartons | High-speed, reliable high adhesion printing for industrial applications. |
| RECOMMENDED INDUSTRIES | Kraft, cartons, and corrugated boxes used in secondary packaging applications for the food and beverage, and industrial applications | Pipe, cable, extrusion, construction, automotive and industrial manufacturing. |



Hx Manager - Easy-to-Use Interface for Message and Individual Printer Control



Web-Based Interface

No app installation required; access via any browser-enabled smart device.

Cross-Platform Compatibility

Works seamlessly on smartphones, tablets, laptops, and PCs.

Real-Time Monitoring

View printer status, ink levels, and production data instantly.

Quick Message Creation & Editing

Design, edit, and manage print messages with ease.

Secure Access

Password-protected user management to ensure safe and controlled operation.



Hx Console – Centralized Multi-Printer Monitoring and Control

Why Hx Evo Printer?



Maintenance-Free
Operation



Smart Device
Control



Legible & Durable
Prints



Low Total Cost
of Ownership



Energy Efficient &
Sustainable



Small Footprint
Printer

Printer Specifications

CONTROLLER

| | |
|-------------------------|--|
| DISPLAY | Optional 7" or 10" HMI with Anti-theft Lock |
| MESSAGE DESIGN | Advanced Messaged Editor |
| MESSAGE CAPACITY | Unlimited (within HMI/Windows PC) |
| START & STOP TIME | Immediate |
| PASSWORD PROTECTION | Yes |
| ALARM | Built in beacon, 128*64 pixel OLED, Buzzer |
| COMPRESSED AIR REQUIRED | No |
| NUMBER OF PRINTHEADS | 18mm - 1 |
| SYSTEM LANGUAGE | German, French, Japanese, Portuguese, Spanish, Thai, Turkish, Hindi, Arabic, Mandarin (other languages upon request) |
| PRODUCT CERTIFICATION | CE |
| WARRANTY | 12-month limited warranty (Terms & conditions apply) |

CONNECTIONS & INTEGRATION

| | |
|------------------------------------|--|
| CONNECTIVITY | Easy connectivity based on customer needs: Wi Fi (Direct and Access Point connections) RS232 USB Cable |
| POWER SUPPLY | +15VDC, 40Watt AC/DC Desktop Adapter |
| ENCODER | Optional |
| TWO OR THREE COLOR EXTERNAL BEACON | Optional |
| PRINT SENSOR | External Sensor |
| MOUNTING & STAND | Stainless Steel T-bracket mounting or Tripod Stand |

INK SOLUTION

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|------------------------|---|
| INK TYPE | Standard ink cassette (oil-based , solvent-based and UV -based) |
| COLOUR | Black, Blue, Red (oil-based); Black, White, Blue, Red, Yellow (UV & Solvent) |
| INK CASSETTE DIMENSION | 163mm x 103.5 mm x 39mm |
| THROW DISTANCE | up to 8mm |
| INK RECOGNITION | Automatic |

PHYSICAL SPECIFICATIONS

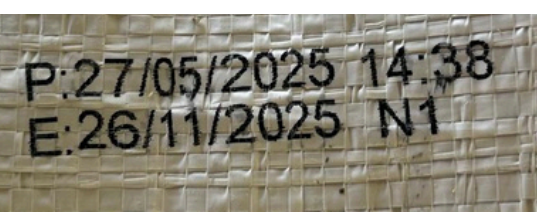
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|--------------------------------|---|
| CONTROLLER MATERIALS | Coloured Anodized Aluminum & Stainless Steel |
| CONTROLLER & INK SYSTEM WEIGHT | 2380g |
| DIMENSION | 470 mm x 220 mm x 130 mm |
| ENVIRONMENTAL CONDITIONS | Temperature 0-50°C, Humidity 0-80% |

PRINTING FEATURES

| | |
|--------------------------------------|---|
| RESOLUTION | Vertical 180 dpi , Horizontal 60–180 dpi |
| MAXIMUM PRINT SPEED | 40m/min |
| LOGO PRINTING OPTION | Yes |
| BARCODE PRINTING | All types of barcodes including QR Codes |
| NUMBER OF PRINT LINES | up to 9 (2mm each line for 18mm head) |
| FONTS | All Windows Fonts |
| HEIGHT RANGE OF PRINTABLE CHARACTERS | up to 18mm (~.7") |
| DATE FORMAT | Variety of date format |
| COUNTERS | Print counter, message counter, and user-defined counter |
| MESSAGE COMPONENTS | Text Date Time Logo Counter Shift Barcode External Data Lot Number Alphanumeric |

ADVANCED FEATURES

| | |
|-----------------------------|---|
| AUTO NOTIFY | Automatically sends alerts for key events like low ink levels, print job completion, or online data received through selected channels such as USB, RS232, or Wi-Fi (HTTP)—keeping your team informed in real time. |
| AUTO PILOT | Allows other external device to control and monitor Hx Printer. Any third party device (e.g. PLC), system, or software can send a command to Hx Printer. |
| DAILY PRODUCTION REPORT | Provides an hourly print report of the printer giving an overview of the complete daily production |
| ECONOMY MODE | Reduces ink consumption to up to 50 % increasing print quantity |
| EXTERNAL DATA | Easy integration to external devices e.g. PLC, weighing scale, etc for printing variable data. |
| INK ESTIMATION CALCULATOR | Provides an estimate number of prints per cartridge based on the message and other parameters |
| PRINTER HEALTH CHECK | Detects warning/s to avoid future or unwanted downtime |
| ROLLOVER TIME | Easily customise time and date as to company's required production time or work shift |
| INTERLOCK SIGNAL CONNECTION | Easily connect the Hx Ultro to your host machine to send real-time output signals—such as Fault, Busy (Printing), and Ready status. |



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OUR DISTRIBUTION NETWORK



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