MapleJet
CODING AND MARKING SOLUTIONS
Europe

Thermal Inkjet Printer

For barcodes, QR codes, batch, lot, expiration date, and more!

Up to 12.7mm

Hx Nitro

www.maplejet.com/eu

Hx Nitro Thermal Inkjet Printer (TIJ)

The Hx Nitro is a compact, maintenance-free thermal inkjet printer designed for high-resolution coding on both porous and non-porous surfaces. Featuring smart device connectivity through the Hx Manager platform, it offers easy operation, rapid cartridge changes, and seamless integration into production lines—making it ideal for primary packaging applications in fast-paced manufacturing environments.

Solvent-based Ink

Semi Solvent-based Ink

Water-based Ink

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

Hx Nitro: Built to Benefit Your Entire Team

Operators/ Line Supervisors

- Effortless Setup and Operation
- Quick Cartridge Change
- Zero Maintenance

Production/Operations Managers

- Monitor Printers & Ink in Real Time
- Centralized Control for All Printers
- Easy ERP & System Integration
- Plug & Play with Any Packaging Line
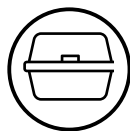
CEO/Business Owners

- Lower Total Cost of Ownership
- Sustainable Printing Technology
- Supports Brand Consistency and Compliance
- Future-Proofs Your Production Line

PET Bottle	Plastic Film & Container	Glass Container	Box & Carton	Metal & Aluminum	Egg Case

Printer Specifications

CONTROLLER

DISPLAY	Optional 7" or 10" HMI with Anti-theft Lock
MESSAGE DESIGN	1) Web-based Simple Message Editor 2) Advanced Message Editor
MESSAGE CAPACITY	Unlimited (within HMI/Windows)
START & STOP TIME	Immediate
PASSWORD PROTECTION	Yes
ALARM	Built in beacon, 128*64 pixel OLED, Buzzer
NUMBER OF PRINTHEAD	1
SYSTEM LANGUAGE	German, French, Japanese, Portuguese, Spanish, Thai, Turkish, Hindi, Arabic, Mandarin (other languages upon request)
PRODUCT CERTIFICATION	CE

CONNECTIONS & INTEGRATION

CONNECTIVITY	Easy connectivity based on customer needs: Wi Fi (Direct and Access Point connections) Isolated RS232 USB Cable
POWER SUPPLY	110 to 220 VAC
ENCODER	Optional
TWO OR THREE COLOR EXTERNAL BEACON	Optional
EXTERNAL SENSOR	Yes
MOUNTING & STAND	Stainless Steel T-bracket mounting or Tripod Stand

INK SOLUTION

TECHNOLOGY	Funai Cartridge Technology
INK TYPE	Porous & non-porous ink
COLOUR	Black, Red, Blue (Water-based) Black & White (Solvent-based & Semi-solvent)
CARTRIDGE DIMENSION	60mm x 74mm x 25.5mm
INK RECOGNITION	Automatic

PHYSICAL SPECIFICATIONS

CONTROLLER MATERIALS	Coloured Anodized Aluminum & Stainless Steel
CONTROLLER WEIGHT	910gm
DIMENSION	146 mm x 60 mm x 84 mm
ENVIRONMENTAL CONDITIONS	Temperature 0-50 C, Humidity 0-80%

PRINTING FEATURES

RESOLUTION	Up to 600 dpi (standard throw distance ink)
MAXIMUM PRINT SPEED	240m/min (at 80 DPI)
LOGO PRINTING OPTION	Yes
BARCODE PRINTING	All types of barcodes including QR Code
NUMBER OF PRINT LINES	Up to 6 (2mm each line)
HEIGHT RANGE OF PRINTABLE CHARACTERS	Up to 12.7mm (~0.5")
FONTS	All Windows Fonts
DATE FORMAT	Variety of date format
COUNTERS	Print, message, and user-defined counter
MESSSAGE COMPONENTS	Text	Date	Time	Logo	Counter	Shift	Barcode	External Data	Lot Number	Alphanumerics

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 Nitro to your host machine to send real-time output signals—such as Fault, Busy (Printing), and Ready status.

Stand. 05/2025

OUR DISTRIBUTION NETWORK

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