



# Hx Nitro Thermal Inkjet Printer



Ideal for coding on plastic bottles, plastic pouches, laminated sheets, aluminium cans, metals, and other non-porous materials

 **Convenience & Ease of Use**  
Extremely easy to use with its Wi-Fi capability that allows quick message design and control of the printer using any smart device. No intensive training required.

 **Maintenance-free**  
There is no factory maintenance needed with an Engineer to maintain the performance of the printer. When troubleshooting is required, it can be done remotely or thru quick training guide available online.

 **Clean Operation**  
No messy ink drops in the production line. Perfect for hygeinically demanding production environment.

 **Low-cost of Ownership**  
Equipped with advanced coding technology that offers low cost of investment to simplify your coding needs.

# SPECIFICATIONS

## CONTROLLER

|                       |  |
|-----------------------|--|
| DISPLAY               | Optional Tablet (10") with Anti-theft Lock   |
| MESSAGE DESIGN        | 1) Web-based Message Editor<br>2) Vanguard Create: Windows-based Message Design Software                                   |
| MESSAGE CAPACITY      | Unlimited<br>(within Tablet/Windows)   |
| START & STOP TIME     | Immediate  |
| PASSWORD PROTECTION   | Yes  |
| ALARM                 | Built in beacon,<br>128*64 pixel OLED, Buzzer  |
| NUMBER OF PRINTHEAD   | 1  |
| SYSTEM LANGUAGE       | German, French, Japanese, Portuguese,<br>Spanish, Thai, Turkish, Hindi, Arabic, Mandarin<br>(other languages upon request) |
| PRODUCT CERTIFICATION | CE   |
| WARRANTY              | 12-month limited warranty (Terms & conditions apply)   |

## CONNECTIONS & INTEGRATION

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

## INK SOLUTION

|                     |  |
|---------------------|--|
| TECHNOLOGY          | Funai Cartridge Technology   |
| INK TYPE            | Wide range of porous & non-porous ink selection                                |
| COLOUR              | Black (solvent-based)<br>Black, Red, Blue (water-based/semi solvent-based ink) |
| CARTRIDGE DIMENSION | 60mm x 74mm x 25.5mm   |
| THROW DISTANCE      | With normal throw distance ink (4mm) and long-throw distance ink up to 10mm    |
| INK RECOGNITION     | Automatic  |

## PRINTING FEATURES

|                                      |  |
|--------------------------------------|--|
| RESOLUTION                           | 600 dpi (standard throw distance ink)<br>300 dpi (high-throw distance ink)                               |
| MAXIMUM PRINT SPEED                  | 120 m/min (160 dpi)  |
| LOGO PRINTING OPTION                 | Yes  |
| BARCODE PRINTING                     | All types of barcodes  |
| 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 available   |
| MESSAGE COMPONENTS                   | Text   Date   Time   Logo   Counter<br>  Shift   Barcode   External Data  <br>Lot Number   Alphanumerics |

## PHYSICAL SPECIFICATIONS

|                          |  |
|--------------------------|--|
| CONTROLLER MATERIALS     | Coloured Anodized Aluminum &<br>Stainless Steel                              |
| CONTROLLER WEIGHT        | 910gm  |
| DIMENSION                | 146 mm x 60 mm x 84 mm   |
| ENVIRONMENTAL CONDITIONS | Temperature 0-50°C, Humidity 0-80%<br>(special casing for humid environment) |

## ADVANCED FEATURES

|                           |  |
|---------------------------|--|
| AUTO NOTIFY               | Events such as 'low ink level', 'printing completed', and 'online data received' can be automatically communicated by choosing selected channels e.g. USB, RS232, and Wi Fi (HTTP) |
| 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. Auto calculation and printing of the product weight                                 |
| FIELD UPGRADE             | Allows the printer's software to be upgraded remotely  |
| 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  |

For more information,  
please visit our website:

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