

LINX 8830 PRINTER



The Linx 8830 continuous ink jet printer prints up to 3 lines and provides a perfect coding solution for industrial environments.

Designed to reduce your total cost of ownership and increase your production line output, the Linx 8830 delivers consistent, error-free codes.

With its unique sealed printhead design and durable stainless steel construction the Linx 8830 operates reliably in tough production environments, optimising line productivity.



Low total cost of ownership

- ✓ **Solvent consumption as low as 3.5ml* per hour** to save on fluid costs
- ✓ **Single part ink and filter change** minimising service costs
- ✓ **Printhead cleaning interval up to three months** to reduce downtime and fluids consumption



Built-in reliability for increased productivity

- ✓ **Unique sealed printhead design** protects critical components from physical damage
- ✓ **8 hour reserve print capacity** to reduce line stoppages from fluid running empty
- ✓ **Linx PrinterNet™ enabled IoT** solution gives you better control of your production line and fast remote fault resolution to improve uptime



Consistent error-free codes and ease of use

- ✓ **Customisable touch-screen with your product images** to provide error-free code setup without language barriers
- ✓ **Fast one-touch access to frequently used functions and step by step guides** for right first time set up
- ✓ **Simple, one-touch, fluid cartridge refills during printing** no mess, no tools, no mistakes

*average consumption at 20°C, ink and application dependent

LINX

Linx 8830

PRINTHEAD

60mm minimum bend radius in static applications. 180mm minimum bend radius in dynamic applications.



SIDE ELEVATION



FRONT ELEVATION



90° PRINTHEAD OPTION



Technical Specifications

PRINT SPEEDS AND SIZES

Printhead:	Mk11 Midi	Mk11 Midi plus
Nozzle size:	62 µm	75 µm
Lines of print:	Up to 3	Up to 3
Character height range:	1.8 to 20 mm	2.1 to 20.1 mm
Maximum speed for single line print (5 dot high characters):	6.25 m/s (0.47 mm drop pitch)	7.28 m/s (0.57 mm drop pitch)
Maximum speed for two line print (7 dot high characters):	2.46 m/s (0.43 mm drop pitch)	2.38 m/s (0.52 mm drop pitch)
Recommended distance from printhead to substrate:	12mm (35mm for carton coding message style)	20mm (45mm for carton coding message style)

HARDWARE FEATURES

Easi-Change® Service Module, change interval: up to 12 months (9,000 hours) – dye-based inks, up to 12 months (6,000 hours) – soft pigmented inks* Only 0.5L of ink changed
Unique automatic printhead flushing: typical cleaning interval 3 months (100 starts and stops) – dye-based inks, up to 1 month – soft pigmented inks
Printhead jet-speed control and temperature sensing for consistent printing in changing ambient temperatures
Mistake-proof, mess-free ink and solvent refilling while printing (0.5 litre ink cartridge, 1 litre solvent cartridge)
7-inch full colour touch screen with tough, solvent-resistant polymer cover
Durable ink pump with no scheduled changes required
Extended shutdowns (up to 3 months) without printer flushing or draining
Robust, flexible dual-tube conduit for static and moving printhead applications

SOFTWARE FEATURES

Single-press start print, pause print and jet shutdown
Auto power-off after jet shutdown
Simple message creation and editing with drag-and-drop field positioning, zoom function and insert mode for long messages
Total print count, message count and batch count
Message selection using product images
Password-protected functions, with customisable user profiles
Message creation/editing while printing
On-screen output rate measurement and production stoppage log. Downloadable onto USB device

On-screen fluid level indicators, 12 hour running from fluid refill warning to printer stop in most applications

On-screen help and diagnostics information

QuickSwitch® message selection and editing using bar code scanner

PrintSync® automatic font and message format selection, based on message style selected and production line speed

Multiple operator languages (user selectable) with on-screen keyboards, secondary keyboard for multi-language printing

Simple line speed and shaft encoder setup wizard, for installation on new production lines

Message store and printer settings backup, copy and restore using USB storage device

Simple Communications Protocol (YAML based scripts) and Linx Remote Communications Interface for connection to PCs or PLCs using Ethernet port

MESSAGE PRINTING FACILITIES

Text, symbols and numbers
Prompted fields for one-step message editing with customisable on-screen prompts
Height, width and delay functions for easy code sizing and positioning
Automatic formats for printing dates, times and date rounding (using the printer's internal clock)
Custom date and time editor to create different date formats as required
Automatic date forward function. Add number of seconds, minutes, hours to the current time, or number of days, weeks or months to the current date
Automatic time adjustment option for daylight savings time
Sequential numbering, forward and backward counting, variable intervals
One-touch sequential number reset option from the printer screen, and reset using external trigger
Number of messages stored: up to 1000 using internal printer memory (depending on message content), more can be stored using a USB storage device
Bold character printing (up to 9 times)
Variable character spacing for improved vision system recognition
Rotated character (tower) printing
Shift coding (message content changes automatically at defined times)
Graphics and logos can be imported into the printer as bitmap files using the USB port
Reverse and inverted printing
Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmacode, Data Matrix, QR Code)

PRINTHEAD OPTIONS

2m conduit
4m conduit (option)
90° printhead (option)
Positive air purge to printhead (provides improved reliability in dusty or humid environments) (option)

INK RANGE

Linx MEK base (dye-based, soft pigmented-based)
Linx mixed base (MEK-free, dye-based)
Linx ethanol base (MEK-free, dye-based)

SOLVENT CONSUMPTION

3.5ml/hour (at 20°C, ink and application dependent)

CONNECTIONS/INTERFACING FOR

Product detector
Shaft encoder/second product detector
External single-stage alarm output (24v)
USB – for message backup and transfer, and wifi connection for Linx PrinterNet
Ethernet
Volt-free contact alarm connection (e.g. for use with external mains-driven alarm) (option)
Dual alarm output (Volt free and 24V output) (option)

PHYSICAL CHARACTERISTICS

Base and enclosure: Stainless steel
IP55 environmental protection rating**
Mounting options: Static stand, mobile stand, bench, wall mount bracket
Operating temperature range: 5-45°C (0-50°C for Linx 1240 ink type)
Humidity range (r.h., non-condensing): 90% max
Power supply: 100-230V, 50/60Hz
Power consumption: 38W (typical when printing)
Power rating: 100 W
Weight: 24kg (including fluids and printhead)

REGULATORY APPROVALS

CE, EAC, NRTL, FCC

*Interval may be adjusted in certain environments and applications to provide reliable running between service module changes

**IP rating is independently verified – certificates available on request

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