LINX 8820 PRINTER

The Linx 8820 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 8820 delivers consistent, error-free codes.

With its unique sealed printhead design and durable stainless steel construction the Linx 8820 operates reliably in tough production environments, optimising line productivity.

Low total cost of ownership

- **Solvent consumption as low as 8ml* 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

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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 (6,000 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
- 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 printers internal clock)
- 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 and inverse image printing, for improved readability and 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
- Inverse image printing

PRINTHEAD OPTIONS

- 2m conduit
- 4m conduit (option)
- 90° printhead (option)
- Positive air purge to printhead (provides improved reliability in dusty or humid environments) (option)
- Air dryer (provides improved reliability for certain inks at high humidity and temperature) (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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