

# LINX 8810 PRINTER



## Consistent reliability for increased productivity

- ✓ **Unique sealed printhead design** protects critical components from physical damage and withstands continual operation
- ✓ **8 hour reserve print capacity** to reduce line stoppages from fluid running empty
- ✓ **Responsive colour touch screen** that can be used in harsh environments



## Low total cost of ownership

- ✓ **12 months service interval** with a range of Linx inks
- ✓ **Printhead cleaning interval up to three months** to reduce downtime and fluids consumption
- ✓ **Single part ink and filter change** minimising service costs



## Error-free and easy to use

- ✓ **Quick and easy code setup and selection**, simple message changes for fast editing
- ✓ **Fast one-touch access** to frequently used functions
- ✓ **Simple, one-touch, fluid cartridge refills during printing** no mess, no tools, no mistakes

**The Linx 8810 continuous ink jet printer prints up to two lines of information and provides a consistent, reliable coding solution for industrial environments.**

The Linx 8810 is the simple solution for your coding needs. There is no compromise on the reliability and user-friendliness of the printer.

With its unique sealed printhead design and durable stainless-steel construction, the Linx 8810 operates reliably in production environments with minimal maintenance.

Ease of use and efficiency are also delivered with this model, from setup to maintenance. All this results in low total cost of ownership and optimised line productivity.

# Linx 8810

## PRINthead

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



## SIDE ELEVATION



## FRONT ELEVATION



## Technical Specifications

### PRINT SPEEDS AND SIZES

Printhead:	Mk11 Midi
Nozzle size:	62 µm
Lines of print:	Up to 2
Character height range:	1.8 to 9.0 mm
Maximum speed for single line print (5 dot high characters):	2.92 m/s (0.37 mm drop pitch)
Maximum speed for two line print (7 dot high characters):	1.46 m/s (0.37 mm drop pitch)
Recommended distance from printhead to substrate:	12mm

### HARDWARE FEATURES

- Easi-Change® Service Module, change interval: up to 12 months (6000 hours) – dye-based inks, Only 0.5L of ink changed
- Unique automatic printhead flushing: typical cleaning interval 3 months (100 starts and stops) – dye-based 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 printer's 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
- 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 10 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

### PRINthead OPTIONS

- 2m conduit

### INK RANGE

- Linx MEK base (dye-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 • UL • CAN/CSA • 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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