

# LINX 8900 & 8910 PRINTERS



## Efficient

- ✓ **Extended service intervals up to 13,000 hours or 18 months** enables coding for longer without interventions
- ✓ **On-screen production rates** with output and line stoppage logs. Customisable logs provide precise reasons for any production line holdups
- ✓ **Automatic fluid checking** and 12 hour fluid refill warnings
- ✓ **Store multiple messages** and line settings for fast product changeovers



## Reliable

- ✓ **Reliable performance** even after up to **three months shutdown**. The printer is ready to print first time with no need for flushing
- ✓ Linx robust **sealed printhead** means fewer interventions and less cleaning, typically only **once every three months**, even when running continuously
- ✓ **AutoFlush** unique printhead cleaning sequence leaves the printhead clean and sealed, ready for every startup



## Easy to Use

- ✓ **Self-service** option with an on-screen wizard to guide through the servicing process
- ✓ **Simple user interface** with large, icon-driven touch screen and production-rate visibility
- ✓ **Mistake-free** one-touch fluid cartridge refills during printing
- ✓ **Linx PrinterNet®** ready, enabling remote monitoring and control via a secure cloud-based service

### Maximum efficiency, minimal effort

The Linx 8900 and 8910 printers make operation and improving efficiency easier than ever. You can spend more time coding, and increasing output from your production line.

With Linx reliability built-in, this coder prints up to 3 lines and will operate continually in your production environment, with minimal interventions for service and cleaning. A Linx 8900 or 8910 will also help reduce delays from production line stoppages with real-time output and line stoppage reporting to help you to maximise your production and add value back to your business.

LINX

## Linx 8900/8910

### PRINTHEAD

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



### SIDE ELEVATION



### FRONT ELEVATION



### 90° PRINTHEAD OPTION

270 degree adjustable positioning



## 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:	8900: 1.8 to 8.8 mm 8910: 1.8 to 20 mm	8900: 2.1 to 10.7 mm 8910: 2.1 to 20 mm
Maximum speed for single line print (5 dot high characters):	8900: 2.92 m/s (0.37 mm drop pitch) 8910: 6.25 m/s (0.47 mm drop pitch)	8900: 2.84 m/s (0.44 mm drop pitch) 8910: 7.28 m/s (0.57 mm drop pitch)
Maximum speed for two line print (7 dot high characters):	8900: 1.46 m/s (0.37 mm drop pitch) 8910: 2.09 m/s (0.37 mm drop pitch)	8900: 1.42 m/s (0.44 mm drop pitch) 8910: 2.02 m/s (0.44 mm drop pitch)
Recommended distance from printhead to substrate:	8900: 12mm 8910: 12mm (35mm for carton coding message style)	8900: 20mm 8910: 20mm (45mm for carton coding message style)

### HARDWARE FEATURES

Easi-Change® Service Module, change interval: up to 18 months (13,000 hours) – dye-based inks, up to 12 months (6,000 hours) – soft pigmented inks\*

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)

10-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 store display and message style selection

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 or optional RS232 port

Linx PrinterNet printer health and production monitoring with remote control (VNC) (option)

### 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 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

Reverse and inverted printing (option)

Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmacode, Data Matrix, QR Code, RM4SCC-Type C)

### PRINTHEAD

2m conduit

4m conduit (option)

6m 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)

Active Airflow Control (8910 factory fit option) for lower solvent consumption and reduced emissions. Reduces consumption by up to 40% (ink and application dependent, 2m or 4m conduits)

### INK RANGE

Linx MEK base (dye-based, soft pigmented-based)

Linx mixed base (MEK-free, dye-based)

Linx ethanol base (MEK-free, dye-based)

### CONNECTIONS/INTERFACING FOR

Product detector

Shaft encoder/second product detector

External single-stage alarm output (24v) with multi-stage alarm option

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)

RS232 (option) and Parallel I/O (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: 150 W

Weight: 24.5kg (including fluids and printhead)

### REGULATORY APPROVALS

• GS • 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