Linx 8900/8910

Continuous ink jet printers

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

With Linx reliability built-in, this coder will operate continually in your production environment and also help reduce delays from production line stoppages. Real-time output and line stoppage reporting also helps you to maximise your production and add value back to your business.

Simple operation for error-free coding

- Large, icon-driven high-resolution touch screen, with at-a-glance production-rate visibility
- Customisable top screen, on-screen message prompts for faster, accurate code setup
- Store multiple line settings for added flexibility
- Simple, one-touch, fluid cartridge refills during printing – no mess, no tools, no mistakes
- Self-service with an on-screen Wizard which guides operators through the service process – for a quick, engineer-free service in around 30 minutes, with up to 18 months between services.

Built-in reliability for increased uptime

- Linx's industry-leading printhead is completely sealed for continual reliable operation – typically requires cleaning only once every three months
- Quick, clean starts every time with Autoflush – less manual printhead cleaning, so less solvent waste and maintenance time required
- Automatic fluid checking and long eight hour fluid refill warnings – less unplanned downtime and less printer monitoring
- Seasonal shutdown mode – printer is ready to print first time, even after extended shutdown, with no need for expensive printer flushing.

Improve your production line efficiencies

- Accurate, real-time output measurement on screen, e.g. batch counts and output/hour rates, with real-time on/off target indication
- On-screen production rates with output and line stoppage logs – simple to transfer via USB for reporting and analysis
- Customisable logs provide precise reasons for any production line holdups – identify efficiency improvements on your line
- The Linx 8910 is designed for both primary and secondary coding requirements – with a carton coding 20mm high print option
- Print speeds of up to 2.92m/s (8900) and 7.28m/s (8910).

Linx 8900/8910

PRINTHEAD

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

223mm
42mm

SIDE ELEVATION

355mm

FRONT ELEVATION

440mm
503mm
400mm

Technical Specifications

PRINT SPEEDS AND SIZES

Printhead:	Mk11 Midi	Mk11 Midi plus
Nozzle size:	62 µm	75 µm
Lines of print:	1, 2 or 3	1, 2 or 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 and zoom function 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

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 and times (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 (option)

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)

6m conduit (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)

CONNECTIONS/INTERFACING FOR

Product detector

Shaft encoder/second product detector

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

USB

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: 24kg (including fluids and printhead)

REGULATORY APPROVALS

GS, 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