Linx 8900/8910

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 6.25m/s (8910).

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Dimensions (mm)

Front Elevation

440

503

400

Side Elevation

355

Printhead

223

42 diameter

60mm minimum bend radius in static applications

180mm minimum bend radius in dynamic applications

Print speeds and sizes	8900	8910
Printhead	Mk11 Midi	Mk11 Midi
Nozzle size	62 μm	62 μm
Lines of print supported	1, 2 or 3	1, 2 or 3
Character height range	1.8 to 8.8 mm	1.8 to 20 mm
Maximum speed:		
Single line print (5 dot high characters)	2.92 m/s (0.37 mm drop pitch)	6.25 m/s (0.47 mm drop pitch)
Single line print (7 dot high characters)	2.43 m/s (0.37 mm drop pitch)	4.89 m/s (0.55 mm drop pitch)
Two line print (7 dot high characters)	1.46 m/s (0.37 mm drop pitch)	2.09 m/s (0.37 mm drop pitch)
Three line print (7 dot high characters)	0.83 m/s (0.37 mm drop pitch)	1.01 m/s (0.37 mm drop pitch)
Maximum number of characters per second	1333	2222
Recommended distance from printhead to substrate	12mm	12mm (35mm for carton coding message style)

Hardware features

- Easi-Change® Service Module, change interval: up to 18 months (13,000 hours)*
- Unique automatic printhead flushing – typical cleaning interval 3 months (100 starts and stops)
- 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 WYSIWYG message creation and editing with drag-and-drop field positioning and zoom function for long messages
- Total print count, message count and batch count
- WYSIWYG message store display and message style selection
- Password-protected functions, with customisable user profiles
- Message creation/editing while printing
- On-screen output rate measurement, estimated job completion time, on/off target indication
- On-screen production stoppage logging tool, customisable stoppage event descriptions, auto detection of stoppages
- Output, production line stoppage and message print history log exported using USB port

- 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 or optional RS232 port

Message printing facilitie

- 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)
- 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)
- 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
- 6m conduit

- Positive air purge to printhead (provides improved reliability in dusty or humid environments)

Ink range

Linx MEK base (dye-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)
- USB
- Ethernet

- Volt-free contact alarm connection (e.g. for use with external mains-driven alarm)
- Dual alarm output (Volt free and 24V output)
- RS232

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

Key   ● standard   ○ option   *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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