

# Linx 8920



## Continuous ink jet printers

Code more information, and on faster lines, with the Linx 8920.

The Linx 8920 CIJ printer provides flexible coding with up to 6 lines of print across a wide range of production line speeds, and with fewer maintenance interventions than other CIJ printers. With a simple, touch screen interface, and unique on-screen system monitoring with extended service intervals, the Linx 8920 is designed to make your coding life easier.

### Easy to use for quick code setup and operation

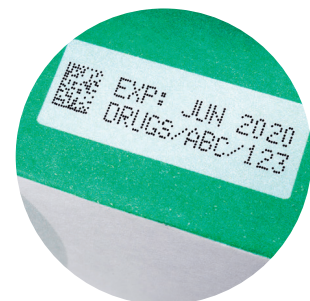
- Store up to 50 named line settings – for quick retrieval at product changeovers; settings can be transferred between printers with a USB flash drive
- Large, icon-driven high-resolution touch screen, with at-a-glance production-rate visibility
- Customisable top screen, one touch operation for common tasks, on-screen message prompts for faster, accurate code setup
- 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 module change process – for a quick, engineer-free service.

### Reliable coding for longer

- Extended service module change intervals up to 18,000hrs/24 months – code for longer without interventions
- Advanced System Monitoring – internal monitoring helps to avoid unscheduled stoppages between service module changes – reliable coding for longer
- Quick, clean startups every time – robust, completely sealed printhead, and Autoflush feature ensure continual reliable operation
- Seasonal shutdown mode – printer is ready to print first time, even after extended shutdown, with no need for expensive printer flushing.

### Flexible coding with more printing capabilities

- Linx Printernet enabled – remote monitoring and control of Linx 8900 printers via a secure, cloud-based service
- Code up to six lines of code, including 2D barcodes
- Coding at faster line speeds as standard – up to 7.28m/s for one line of code
- Carton coding option, up to 20mm high print
- Sequential text and flexible sequential number printing
- Real-time output on screen – meet your OEE targets with the printer screensaver 'On/Off target'.



# Linx 8920

## 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 6	Up to 6
Character height range:	1.8 to 20 mm	12.1 to 20 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):	2.45 m/s (0.43 mm drop pitch)	2.38 m/s (0.52 mm drop pitch)
Recommended distance from printhead to substrate:	12 mm (35 mm for carton coding message style)	20 mm (45 mm for carton coding message style)

HARDWARE FEATURES	
Easi-Change® Service Module, change interval:	up to 24 months (18,000 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	
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
Up to 50 line settings can be stored, with individual line names
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
QuickSwitch® message selection and editing using bar code scanner

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, multiple number ranges, alphanumeric sequencing	
One touch sequential number reset option from the printer screen, and reset using external trigger	
Sequential text fields, increment and reset sequences using external triggers, optional one touch sequence reset from the printer screen	
'Production Schedule' function, to print a sequence of messages automatically, with different triggering and repeat print options	
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
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)	
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)	

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, shelf for wall mounting	
Operating temperature range: 0 – 50°C for 1240, 1010, 1014 and 3240 ink types, (5-45°C for other MEK base, Mixed base, Ethanol base ink types)	
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)	

\*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

