Linx 8940

Code faster, in more demanding applications, with the Linx 8940.

The Linx 8940 provides flexible coding with up to 5 lines of print, on high speed production lines, and in challenging environments. With an IP65 rating, simple touch screen interface, and fewer maintenance interventions, the Linx 8940 is designed to provide high speed, low maintenance coding.

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

- IP65 rating as standard – for reliable operation in wet or dusty conditions, and no need for an external compressed air supply
- Extended service intervals up to 18,000hrs/ 24 months – code for longer without interventions
- Advanced System Monitoring – internal monitoring helps to avoid unscheduled stoppages – 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.
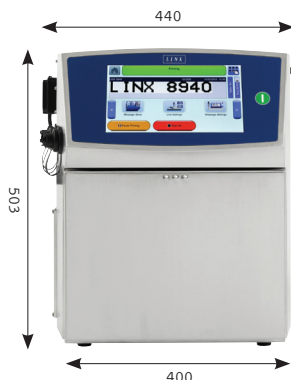
Flexible coding with more printing capabilities

- Code up to five lines of code, including 2D barcodes
- High speed coding as standard – at production line speeds up to 6.25m/s. Two line coding at up to 4.1m/s
- Carton coding option, up to 20mm high print
- Real-time output on screen – meet your OEE targets with the printer screensaver 'On/Off target'; identify patterns in overall line downtime with the output/downtime reporting feature, and improve your efficiencies.

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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

Printhead	Mk11 Midi
Nozzle size	62 µm
Lines of print	Up to 5
Character height range	1.8 to 12.0 mm (up to 20mm with carton coding message style)
Maximum speed: Single line print (5 dot high characters)	6.25m/s at 0.47mm drop pitch
Single line print (7 dot high characters)	5.50m/s at 0.55mm drop pitch
Two line print (7 and 5 dot high characters)	4.10m/s at 0.82mm drop pitch
Two line print (5 dot high characters)	3.44m/s at 0.43mm drop pitch
Two line print (7 dot high characters)	2.65m/s at 0.43mm drop pitch
Three line print (5 dot high characters)	2.36m/s at 0.53mm drop pitch
Three line print (7 dot high characters)	1.12m/s at 0.37mm drop pitch
Four line print (7 dot high characters)	0.57m/s at 0.37mm drop pitch
Maximum number of characters per second	2222
Maximum message length	In excess of 1 metre
Recommended distance from printhead to substrate	12mm (35mm for carton coding message style, and larger print)

Hardware features

- Easi-Change® Service Module, change interval: up to 24 months (18,000 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 system monitoring, to measure key ink system and environmental parameters, to help avoid unscheduled stoppages
- 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
- 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

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)
- 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
- 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
IP65 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	24.5kg (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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LINX

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