

# Linx Spectrum

## High Contrast Printing

- Simplicity at every interaction
- Unmatched reliability with minimal maintenance
- PrinterNet ready - unlock remote diagnostics potential\*



CONTINUOUS INK  
JET PRINTERS



## Introducing Linx's Most Advanced High Contrast Inkjet Printer – More Coding, Less Cleaning!

### Easy To Use

- Large, icon-driven high-resolution touch screen, with at-a-glance production-rate visibility.
- Customisable home screen, with on-screen message prompts for faster, accurate code setup.
- Simple, one-touch, fluid cartridge refills during printing - no mess, no tools, no mistakes.
- With an on-screen setup assistant guiding operators step by step, servicing can be quick and engineer free, you service your machine on your schedule.

### Reliable

- With an IP65 rating and up to one month shutdown – the Spectrum printer is ready for immediate printing, with no need for flushing or to be permanently powered on.
- Linx's industry-leading hermetically sealed printhead offers continual reliable operation with minimal cleaning - typically only once a week.\*\*\*
- AutoFlush is Linx's unique printhead cleaning sequence leaving the printhead and conduit clean and dry, ready for every startup.

### Innovative

- Best in class extended service interval of up to 8,000 hours or 12-months\* achieved by Linx's dual patent-pending innovations - PureFlow® and Vortex®.
- Vortex's® unique redispersing and circulation technology combined with PureFlow's® powerful multistage filtration system, means higher quality printing of pigmented inks without the associated need for excessive cleaning.
- If combined with Linx PrinterNet\*, unlocks real-time printer visibility, select remote management capability, and enhanced "On Demand" technical support..

\* Requires optional purchase of a PrinterNet subscription



code



check



capture



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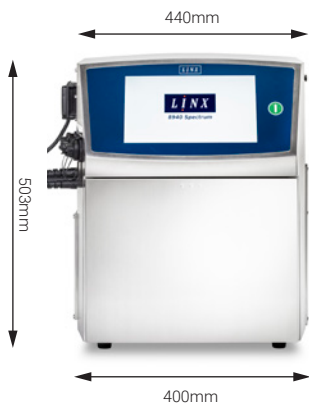
  
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# Technical Specifications Linx 8940 Spectrum

## Controllers

### Front Elevation



### Side Elevation



### Printhead



270 degree adjustable positioning



## Key Performance

Printhead	2m MK11 Midi Plus
Lines of print supported	Up to 6
Character height range	2.1 to 17mm
Maximum speed	9.10 m/s (single print 5 dot high)
Recommended Distance (Printhead to Substrate)	20mm (standard) 5mm (high speed cabling)

## Hardware Features

- 10.4" full colour touch screen with solvent-resistant polymer cover
- Sealed printhead typically only requires cleaning once per week\*\*
- Robust, flexible dual-tube conduit for static and moving printhead applications
- Printhead jet-speed control and temperature sensing for consistent printing in changing ambient temperatures
- Unique AutoFlush automatic printhead flushing and conduit clearing
- Easi-Change® Service Module, change interval: up to 12 months (8,000 hours)\*
- Extended shutdowns (up to 28 days) without printer flushing or draining
- Mistake-proof, mess-free ink and solvent refilling while printing (0.5 litre ink cartridge, 1 litre solvent cartridge)

## 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
- 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 lines settings can be stored, with individual line names
- Dynamic orientation for printing on traverse applications
- Message store and printer settings backup, copy and restore using USB storage device
- Saving remote field data over a power cycle
- Linx Remote Communications Interface for connection to PCs or PLCs using Ethernet port or optional RS232 port
- QuickSwitch® message selection, remote field update and message select-and-populate text field, using barcode scanner
- Linx PrinterNet printer health and production monitoring with remote control (VNC) (option)

## Message Capability

- 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 orientation, repeat and delay 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
- Variable character spacing for improved readability and vision system recognition
- Rotated character (tower) printing
- Reverse and inverted printing
- Accurate marking at regular intervals i.e. 'metre marking', with rollback to detect lines running backwards and high precision calculation options
- Logos and graphics can be imported into the printer as monochromatic bitmap files using the USB port
- Shift coding (message content changes automatically at defined times)
- Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmaco, Data Matrix, QR Code, RM4SCC-Type C)

## Printhead Options

- 4m conduit
- 90° printhead configuration
- Positive air purge to printhead

## Ink Range

- Linx MEK base High Opacity Pigmented Inks

## Connections / Interfacing

- Product detector
- Shaft encoder / secondary product detector
- External single stage alarm output
- USB – Printer Settings / Data Backup or Wi-Fi for PrinterNet (Optional)
- Ethernet – Remote Communications Interface / PrinterNet
- External multi-stage alarm output
- Parallel I/O
- Multiple printer triggering from single product detector / shaft encoder
- Volt-free contact alarm connection (e.g. for use with external mains driven alarm)

## Physical Characteristics

Base and enclosure	Stainless steel
IP65 environmental protection rating**	
Mounting options	Static or Mobile Stand
Operating temperature range	5 – 45°C
Humidity range (r.h., non-condensing)	90% max
Power supply	100-230V, 50/60Hz
Power consumption	38W (typical when printing)
Power rating	120 W
Weight	24.7 Kg (Including fluids & 2m printhead)

## Regulatory approvals

- GS • CE • EAC • NRTL • FCC

\* Interval may be adjusted in certain environments, inks and applications to provide reliable running between service module changes

\*\* Independently verified – certificates available on request. \*\*\* When printing up to 16 hours a day, 5 days a week.

Linx operates a policy of continuous product improvement and reserves the right to change the specification of products without notice.



code



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