

Linx 7900

Integrated, Innovative & Specialty Coding System

- QuickSwitch for fast product change overs
- Specialty Ink Capabilities
- Real time monitoring



CONTINUOUS INK
JET PRINTERS



Introducing Linx's Leading Range of Advanced Coding Solutions.

Insightful

- Linx Insight® enables remote monitoring from a smart phone, plus message download and control from a PC
- The new Linx Insight offers end users the opportunity to control their printers remotely.
- Status view of current message, warnings and service life from a smart phone or PC, for increased control of your production line
- Remote message download or upload from a PC, which helps to prevent coding errors.

Innovative

- Intelligent ink system enables up to 9000 hours or 18 months between scheduled service intervals
- FullFlush® system automatically cleans and dries the printhead and conduit at every shutdown
- A broad range of versatile inks, to reduce running costs and emissions.
- Mistake-free message editing is provided by customisable on-screen prompts, to reduce coding errors.
- SureFill® enables fast, mistake-free refills, every time.
- Prints up to 3 lines of text, logos, barcodes and 2D Data Matrix codes, with 5 line upgrade available

Integratable

- Ethernet port and RS232 connectivity for easy line integration to iDSnet Packaging Automation Software.
- USB port means easy transfer of messages between printers.
- QuickSwitch® software allows simple and accurate code changes using a barcode scanner
- Connectivity for two product detectors and shaft encoder, for easy installation with conveyors and other equipment

* Depending on 7900 model variants



code



check



capture



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matthews
intelligent identification



Technical Specifications Linx 7900

Controllers

Front Elevation



Top Elevation



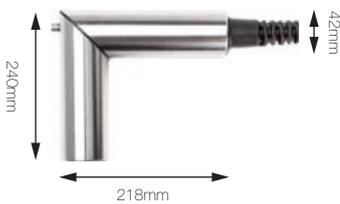
Side Elevation



Printhead



MIDI SRRA Printhead



Print speeds and printhead options

Printhead	Micro	Mini	Ultima*	Midi*	Midi EC	Ultima plus	Midi plus
Lines of print supported	1,2,3 or 4	1 or 2	1,2 or 3	1,2,3,4 or 5	1, 2 or 3	1,2 or 3	1,2,3,4 or 5
Character height range	1.1 to 8.0mm	1.4 to 6.7mm	1.8 to 7.8mm	1.8 to 12mm	1.8 to 10.5mm	2.1 to 9.5mm	2.1 to 13.8mm
Maximum speed: Single line print wide pitch, High Performance print option	8.41m/s	6.83m/s	6.25m/s	6.28m/s	6.28m/s	7.28m/s	2.10m/s
Max. number of characters per second	2222	2667	2222	1905	1905	2133	821
High Performance (HP) print option	o	o	o	o	o	o	o
Linx 7900	o	o	•	o	o	o	o
Linx 7900 Spectrum (for pigmented inks)						•	o
Linx 7900FG (for Food Grade inks)			•				

*For certain inks, Ultima A and Midi A printheads replace Ultima and Midi printheads, to provide reliable performance. Print speeds are unchanged.

General features

- Single button startup and shutdown
- Simple menu-driven WYSIWYG message creation and editing
- SureFill® mistake-proof refill system and on-screen fluid level indicators
- Integral QWERTY keyboard (full size) and 1/4 VGA back-lit colour display, printer status indicators (4 LEDs)
- USB port for copy and back up of message and printer settings
- FullFlush® automatic printhead and conduit flush
- Saving remote field data over a power cycle
- Linx Insight® remote printer control and status view
- Auto power-off
- Automatic diagnostics
- Multiple operator languages (user selectable)
- Dynamically adjusted service interval up to 9000 hours (not available with Spectrum, FG)
- Password-protected functions
- Dynamic message and logo storage capacity
- Prompted fields

Programming and printing facilities

- Fixed and variable text
- Upper and lower case character
- Graphics/logo printing
- Logo creation and editing, on-screen
- QuickSwitch® message selection and editing using bar code scanner
- Bar codes EAN 8, EAN 13, 2 of 5, ITF, Code 39, Code 128, UPC-A, GS1 128 linear barcode
- Data Matrix 2D codes
- Bold factor (up to 10 times)
- Height, width and delay functions for easy code sizing and positioning
- Standard and user-definable formats for shift coding
- 7900FG: Egg coder configuration matches service interval to flock life, and provides reliable operation in barn environments
- Remote communications interface
- Real-time clock functions
- Automatic date forward function
- Batch coding and counting
- Sequential numbering and messages
- Dynamic reverse and invert printing for traversing lines
- Rotated character ('tower') printing
- Message creation/editing whilst printing
- Timed-message function
- Flexible print trigger options
- 7900 Swift: narrow fonts for coding onto small print areas
- 7900 Spectrum: programmable pre-set ink mix times
- 7900 Spectrum: Inverse Image barcodes and text e.g. white on black

Printhead specifications

- 2m conduit
- 4m conduit (not available with Solver or FG printers)
- 90° printhead configuration
- Positive air purge to printhead
- Cutaway printhead cover tube
- Magnetic shielded cover tube
- Midi Short Reach Right Angled (SRRA) printhead (for 7900, Solver), length 130mm

Ink range

	Linx 7900	Linx 7900 Spectrum	Linx 7900FG
Linx MEK base (dye-based/soft pigmented)	•	•	
Linx mixed base	•	(soft pigmented)	
Linx ethanol base	•		
Linx MEK base High Opacity pigmented inks		•	
Linx Food Grade inks			•

Connections/interfaces for

- Shaft encoder
- Primary and secondary product detectors
- External single stage alarm output
- USB
- RS232
- Ethernet
- 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
IP55 environmental protection rating**	• (not available with 7900 Spectrum)
IP65 environmental protection rating**	• (standard for 7900 Spectrum, not available with 7900FG printers)
Mounting options	Bench or console
Operating temperature range	5 – 45°C (FG: 0 – 40°C)
Humidity range (r.h., non-condensing)	90% max
Power supply	100-230V, 50/60Hz
Power consumption	60W (typical when printing, excluding FG and Spectrum)
Power rating	200 W
Weight 21kg	(Spectrum and FG, 24kg)

Regulatory approvals

- GS • CE • GOST R • NRTL • FCC

Key: • standard o option **Independently verified – certificates available on request.

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



code



check



capture



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