

## Linx 7900

### Integrated, Innovative & Insightful Coding System

- Real time remote monitoring
- QuickSwitch for fast product change overs
- Extended warranty and service intervals



#### 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
- Low fluid consumption with a 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

##### Integrateable

- 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



# Continuous Inkjet Printers

## Dimensions (mm)



## Technical Specifications LINX 7900

### PRINTING 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 8.0 mm	1.4 to 6.7 mm	1.8 to 7.8 mm	1.8 to 12 mm	1.8 to 10.5 mm	2.1 to 9.5 mm	2.1 to 13.8 mm
Maximum speed: single line print, wide pitch, High Performance print option	8.41 m/s	6.83 m/s	6.25 m/s	6.28 m/s	6.28 m/s	7.28 m/s	2.10 m/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
Linx 7900 Spectrum (for pigmented inks)							o
Linx 7900 Solver (for lowest solvent consumption)	o	o	•	o			
Linx 7900 Swift (for high speed lines)					•		
Linx 7900FG (for Food Grade inks)			•				
Linx 7900BC (for wet bottle coding)			•	o			

### 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 OPTIONS

- 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 7900 Solver	Linx 7900 Swift	Linx 7900BC	Linx 7900FG
Linx MEK base (dye-based/soft pigmented)	•	•	•	•	•	
		(soft pigmented)		(1240, 1405)	(1058)	
Linx mixed base	•		•			
Linx ethanol base	•					
Linx MEK base High Opacity pigmented inks		•				
Linx Food Grade inks						•

### CONNECTIONS/INTERFACING 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**	o (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	200W
Weight 21kg	(Spectrum and FG, 24kg)

### REGULATORY APPROVALS

- GS
- CE
- GOST R
- NRTL
- FCC

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



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