Linx 7900

Reduce code errors and increase your productivity, with a range of automatic setup features.

The Linx 7900 range of printers offer advanced additional features as standard, providing value for money with no hidden costs.

Quick and simple code setup

- QuickSwitch® Plus software allows simple and accurate code changes using a barcode scanner
- PrintSync® automatic print format selection – assigns the best message type for optimum print quality
- Linx Insight® enables remote monitoring from a smart phone, plus message download and control from a PC
- Print History log records which messages have been printed and when, plus frequency.

Lowest running costs

- Intelligent ink system enables up to 9000 hours* between scheduled service intervals
- 18 month warranty* on printer from installation at no extra cost
- Mistake-free message editing is provided by customisable on-screen prompts, to reduce coding errors.

Increased production uptime

- FullFlush® system automatically cleans and dries the printhead and conduit at every shutdown
- SureFill® enables fast, mistake-free refills, everytime.

Additional standard features

- Ethernet port for easy connectivity to the web or factory systems
- Prints up to 3 lines of text, logos, barcodes and 2D Data Matrix codes, with 5 line upgrade available

- RS232 connectivity for line integration
- Connectivity for two product detectors and shaft encoder, for easy installation with conveyors and other equipment
- Low fluid consumption with a range of versatile inks, to reduce running costs and emissions.

QuickSwitch Plus

- Automated code set up using a barcode scanner, or data from a PC or PLC
- Automatically selects a message, edits message content and sets print parameters such as print orientation, height and width, and position on pack
- Sets date offset
- Reduce your coding errors and speed up product changeovers.

*Excludes Spectrum/FG variants

LINX

THINKING ALONG YOUR LINES
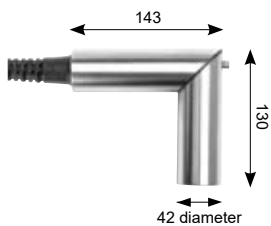
Linx 7900

Dimensions (mm)

Top Elevation

600

490

Front Elevation

240

490

Side Elevation

240

663
(Including clearance at back of printer)

Printhead

42 diameter

218

Midi SRRA Printhead

143

130

42 diameter

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 8.0 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
Maximum number of characters per second	2222	2667	2222	1905	1905	2133	821
High Performance (HP) print option	∘	∘	∘	∘	∘	∘	
Linx 7900	∘	∘	•	∘	∘	∘	∘
Linx 7900 Spectrum (for pigmented inks)						•	∘
Linx 7900 Solver (for lowest solvent consumption)	∘	∘	•	∘			
Linx 7900 Swift (for high speed lines)		•					
Linx 7900FG (for Food Grade inks)					•		
Linx 7900BC (for wet bottle coding)				•	∘		

*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 ¼ 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
- QuickSwitch Plus automated code setup software
- PrintSync print format selection software
- Print History log

Programming and printing facilities

- Fixed and variable text
- Upper and lower case characters
- 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
- 7900 Spectrum: Inverse Image barcodes and text e.g. white on black
- 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
- LogoJet PC-based message and logo creation software
- 7900 Swift: narrow fonts for coding onto small print areas
- 7900 Spectrum: programmable pre-set ink mix times

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

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**	∘ (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   • EAC   • UL   • CAN/CSA   • FCC

Key   • standard   ∘ option   **Independently verified – certificates available on request

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LINX

THINKING ALONG YOUR LINES

Linx 7900 Solver

Do you need to minimise your ink jet printer running costs, while maximising your coding reliability?

The Linx 7900 Solver is designed to reduce solvent consumption by up to 40%*, delivering less waste and lower running costs.

All Linx printers are designed to minimise the total cost of ownership and maximise reliability. However, the Linx 7900 Solver has a purpose-built ink system which intelligently adapts to the production environment, providing even more efficient solvent usage without compromising reliability.

Lowest running costs

- Lowest solvent consumption especially at low operating temperatures unlike other ink jet printer brands
- Intelligent ink system enables up to 9000 hours between scheduled service intervals

- 18 month printer warranty from installation at no extra cost.

Increased production uptime

- Does not require a solvent cooling system unlike other solvent reduction devices – there is no risk of condenser or cooling fan failure
- FullFlush® system automatically cleans and dries the printhead and conduit at every shut-down
- SureFill® enables fast, mistake-free refills, every time.

Quick and simple code setup

- QuickSwitch® Plus software allows simple and accurate code changes using a bar code scanner
- PrintSync® automatic print format selection – assigns the best message type for optimum print quality
- Linx Insight® enables remote monitoring from a smart phone, plus message download and control from a PC

- Mistake-free message editing is provided by customisable on-screen prompts, to reduce coding errors.

QuickSwitch Plus

- Automated code set up using a barcode scanner, or data from a PC or PLC
- Automatically selects a message, edits message content and sets print parameters such as print orientation, height and width, and position on pack
- Sets date offset
- Reduce your coding errors and speed up product changeovers.

*Solvent reduction is up to 40% compared to a standard Linx printer. Savings may be even greater compared to other continuous ink jet brands.

On average, the Linx 7900 solver uses less than 4ml of solvent per hour at 20°C when using MEK based (Methanol free) inks, and the Ultima and Midi printheads.

LINX

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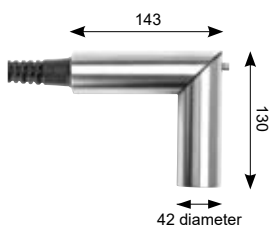# Linx 7900 Solver

Dimensions (mm)

Top Elevation

600

490

Front Elevation

240

490

Side Elevation

240

663
(Including clearance at back of printer)

Printhead

42 diameter

218

Midi SRRA Printhead

143

130

42 diameter

Print speeds and printhead options

Printhead	Micro	Mini	Ultima[*]	Midi[*]
Lines of print supported	1,2,3 or 4	1 or 2	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
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
Maximum number of characters per second	2222	2667	2222	1905
High Performance (HP) print option	○	○	○	○

[*]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 ¼ 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
- Password-protected functions
- Dynamic message and logo storage capacity
- Prompted fields
- QuickSwitch Plus automated code setup software
- PrintSync print format selection software
- Print History log

Programming and printing facilities

- Fixed and variable text
- Upper and lower case characters
- Graphics/logo printing
- Logo creation and editing, on-screen
- QuickSwitch message selection and editing using barcode scanner
- Bar codes EAN 8, EAN 13, 2 of 5, ITF, Code 39, Code 128, UPC-A, GS1 128 linear bar code
- 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

- Remote communications interface
- Real-time clock functions
- Automatic date forward function
- Batch coding and counting
- Sequential numbering and message
- Dynamic reverse and invert printing for traversing lines
- Rotated character ('tower') printing
- Message creation/editing whilst printing
- Timed-message function
- Flexible print trigger options
- ○ LogoJet PC-based message and logo creation software

Printhead options

- 2m conduit
- ○ 90° printhead configuration
- ○ Midi Short Reach Right Angled (SRRA) printhead, length 130mm

- ○ Positive air purge to printhead
- ○ Cutaway printhead cover tube
- ○ Magnetic shielded cover tube

Ink range

Linx MEK base (dye-based/ soft pigmented)	•
Linx mixed base	•

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[**]	•
IP65 environmental protection rating[**]	○
Mounting options	Bench or console
Operating temperature range	5 – 45°C
Humidity range (r.h., non-condensing)	90% max
Power supply	100-230V, 50/60Hz
Power consumption	60W (typical when printing)
Power rating	200W
Weight	21kg

Regulatory approvals

• GS   • CE   • EAC   • UL   • CAN/CSA   • FCC

Key   • standard   ○ option   [**]Independently verified – certificates available on request

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L I N X

THINKING ALONG YOUR LINES

Linx 7900 Spectrum
Pigmented ink printer

Do you require a high-contrast pigmented ink printer to reliably code onto dark substrates?

The Linx 7900 Spectrum provides reliable printing, while delivering consistent high contrast coding with pigmented inks, onto surfaces such as plastic cabling, rubber tubing and coloured glass.

Increased production uptime

- Automatic ink mixing, without the need for operator intervention – delivers consistent code quality
- The unique FullFlush® system automatically cleans and dries the printhead and conduit at every shutdown, minimising manual cleaning
- The new SureFill® system offers fast, mistake-proof refills

- Mistake-free message editing is provided by customisable on-screen prompts, to reduce coding errors.

Lowest running costs

- No need to leave the printer switched on, and no need to drain before extended shutdowns – saves cost and time
- No ink tank changes between services
- Low solvent consumption, with no need for mechanical ink stirrers or expensive factory air.

Quick and simple code setup

- QuickSwitch® Plus software allows fast and easy code changes using a barcode scanner
- PrintSync® automatic print format selection – assigns the best message type for optimum print quality
- Linx Insight® enables remote monitoring from a smart phone, plus message download and control from a PC.

Additional standard features

- Prints up to 3 lines of text, logos, barcodes and 2D Data Matrix codes, with 5 line upgrade available
- Wide range of print speeds to maximise productivity.

QuickSwitch Plus

- Automated code set up using a barcode scanner, or data from a PC or PLC
- Automatically selects a message, edits message content and sets print parameters such as print orientation, height and width, and position on pack
- Sets date offset
- Reduce your coding errors and speed up product changeovers.

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Linx 7900 Spectrum

Dimensions (mm)

Top Elevation

600
490

Front Elevation

240
490

Side Elevation

240
663
(Including clearance at back of printer)

Printhead

42 diameter
218

Print speeds and printhead options

Printhead	Ultima plus	Midi plus
Lines of print supported	1,2 or 3	1,2,3,4 or 5
Character height range	2.1 to 9.5 mm	2.1 to 13.8 mm
Maximum speed: single line print, wide pitch, High Performance print option	7.28 m/s	2.10 m/s
Maximum number of characters per second	2133	821
High Performance (HP) print option	○	

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 ¼ 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)
- Password-protected functions
- Dynamic message and logo storage capacity
- Prompted fields
- QuickSwitch Plus automated code setup software
- PrintSync print format selection software
- Print History log

Programming and printing facilities

- Fixed and variable text
- Upper and lower case characters
- Graphics/logo printing
- Logo creation and editing, on-screen
- QuickSwitch message selection and editing using barcode scanner
- Bar codes EAN 8, EAN 13, 2 of 5, ITF, Code 39, Code 128, UPC-A, GS1 128 linear bar code
- 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
- Inverse Image barcodes and text e.g. white on black
- 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
- ○ LogoJet PC-based message and logo creation software
- Programmable pre-set ink mix times

Printhead options

- 2m conduit
- ○ 4m conduit
- ○ 90° printhead configuration
- ○ Positive air purge to printhead
- ○ Cutaway printhead cover tube
- ○ Magnetic shielded cover tube

Ink range

Linx MEK base soft pigmented inks	•
Linx MEK base High Opacity pigmented 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
IP65 environmental protection rating**	•
Mounting options	Bench or console
Operating temperature range	5 – 45°C
Humidity range (r.h., non-condensing)	90% max
Power supply	100-230V, 50/60Hz
Power rating	200W
Weight	24kg

Regulatory approvals

• GS   • CE   • EAC   • UL   • CAN/CSA   • FCC

Key   • standard   ○ option   **Independently verified – certificates available on request

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