

Linx 7300



Is your current coding equipment costing you too much? Many continuous ink jet printers have significant hidden costs, and over time these can cost much more than the printer itself.

The Linx 7300 range of printers is designed to avoid hidden costs and save you money with every print. The Linx 7300 printer provides fast, non-contact printing of messages on almost any moving surface on the production line.

Lowest running costs

- Dynamically adjusted service intervals of up to 6000 hours
- Minimal routine maintenance – no expensive ink modules to replace and no ink tank changes between services
- Lowest solvent consumption with the Linx 7300 Solver model.

Minimised production downtime

- FullFlush™ system automatically cleans and dries the printhead and conduit at every shutdown, minimising manual cleaning
- Fast, mistake-proof refills with the new SureFill™ system
- Reduced cleaning times – robust, curvaceous stainless steel enclosure minimises dirt traps.

Error-free coding

- QuickSwitch™ software allows fast and easy code changes using a barcode scanner
- Integral USB port enables trouble-free transfer of message content and set up data between printers
- Intuitive colour user interface with WYSIWYG display for easy message set up, minimising coding errors.

Future proof features

- Data Matrix and 3-line printing provided as standard, with optional 4 or 5-line printing

- Wide range of message formats available, including logos and barcodes
- Additional lines of print, faster print speeds and remote communications tools can be added as you need them.

The Linx 7300 range includes specialist printers which are designed to deliver lowest printing costs in specific applications:

Linx 7300 Spectrum – for high contrast printing onto dark or coloured surfaces with specialist pigmented inks

Linx 7300 Solver – for lowest solvent consumption

Linx 7300 Swift – for printing on high speed production lines

Linx 7300FG – for printing with food grade inks, including on-farm egg coding

Linx 7300BC – for printing onto wet bottles



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Linx 7300

Dimensions (mm)

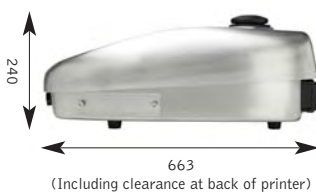
Top Elevation



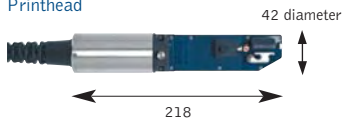
Front Elevation



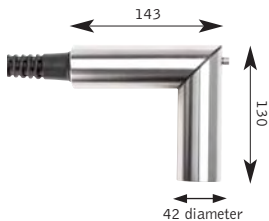
Side Elevation



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 8.0 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 7300	○	○	●	○	○	○	○
Linx 7300 Spectrum						●	○
Linx 7300 Solver	○		●	○			
Linx 7300 Swift		●					
Linx 7300FG					●		
Linx 7300BC			●	○			

[†]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 3.5" 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
- Auto power-off
- Automatic diagnostics
- Multiple operator languages (user selectable)
- Dynamically adjusted service interval (not available with Spectrum, FG)
- Password-protected functions
- Dynamic message and logo storage capacity

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
- Barcodes EAN 8, EAN 13, 2 of 5, ITF, Code 39, Code 128, UPC-A
- 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
- 7300FG: Egg coder configuration matches service interval to flock life, and provides reliable operation in barn environments
- 7300 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
- 7300 Swift: narrow fonts for coding onto small print areas
- 7300 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 7300, Solver), length 130mm

Ink range

	Linx 7300	Linx 7300 Spectrum	Linx 7300 Solver	Linx 7300 Swift	Linx 7300BC	Linx 7300FG
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
- External multi-stage alarm output
- Ethernet
- 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 (EN 60529:1991/IEC60529:1989)	● (not available with 7300 Spectrum)
IP65 environmental protection rating (EN 60529:1991/IEC60529:1989)	○ (standard for 7300 Spectrum, not available with 7300FG 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 rating	200W
Weight	21kg (Spectrum and FG, 24kg)

Regulatory approvals

- TÜV/GS
- CE mark
- FCC

Key ● standard ○ option



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