Linx IJ600

The rugged design of the Linx IJ600 lends itself perfectly to harsh industrial environments, normally unsuitable for high definition printers. Where competitor printers fail, causing production line downtime, the robust Linx IJ600 with its shock-resistant printhead, reliably delivers superb print quality and superior uptime, again and again.

The Linx IJ600 prints high definition barcodes, graphics and text directly onto products, reducing the variety of pre-printed bags and boxes.

Superior uptime
- Printhead highly resistant to shock – minimises risk of deprime
- Rugged, dust proof enclosure (IP65 rated)
- Active nozzle management system ensures consistent print quality even after long shutdowns

- Unique printhead protection system (retractable print engine with permanent nozzle guard) reduces contamination and accidental damage

Most flexible line positioning
- Cabinet can be located conveniently for operators whilst printheads are placed exactly where needed – up to 8m away
- Printheads can be tilted to 40 degrees horizontally or mounted vertically for multi-face printing
- Self cleaning printhead so operators do not need frequent access
- Active pressure control allows printhead positioning with up to 4m vertical separation
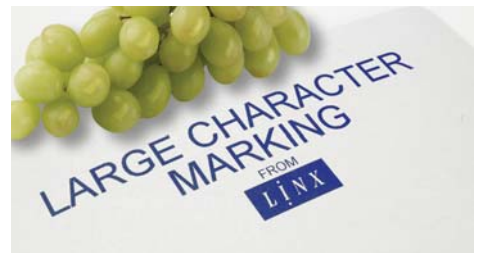
Multiple printhead solutions
- Single or twinhead printhead option – extra flexibility to print opposite, adjacent or same sides of carton
- Independent message control for each printhead from a single control unit

Easiest to use
- Simple one button startup and shutdown
- Self cleaning so no accidental ink spills on production line
- No ink mess during refilling thanks to the easy refill system with sealed bottles
- Active nozzle management system means printer does not leak ink at shutdown

Savings delivered
- Replaces labels with high resolution printed text and graphics – cuts cost and eliminates label changeover downtime
- Reduce variants of pre-printed sacks, saving on stock holding and printing costs
- Automatic cleaning frees up operators for other tasks
- Multiple messages and logos can be stored for quick product changeover
- Single point ink refill system allows refill whilst printing – saving time

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The Linx IJ600

Dimensions (mm)

Linx IJ600 control unit

Top Elevation

424

459

Front Elevation

333

Side Elevation

237

334

Linx IJ600 Printhead

175

208

271

Performance

Resolution	180 dpi (7 dots per mm)
Message height range per printhead	1.4 to 70 mm
Maximum speed	0.56 m/s
Maximum throw distance from nozzle to substrate (optimum throw distance)	6mm (1mm)
Head height range	±2m from control unit
Maximum number of printheads per control unit	2
Maximum head height difference for twinhead machines	1m
Height of lowest nozzle in horizontal orientation	17mm from printhead base

General features

- Single button startup and shutdown
- Auto printhead purge
- Auto printhead wipe at startup and shutdown
- Printhead casing provides extra protection to nozzle face
- Automatic ink pressure control, reservoirs in control unit
- Prints in any orientation (horizontal, vertically up/down, tilted)
- Integral QWERTY keyboard (full size)
- Backlit LCD display
- Variable display zoom facility
- Function keys for quick navigation
- Full diagnostic package
- On-screen status indicators
- Password-protected functions
- Message and logo storage capacity
- Logo download

Twinhead features

- Message buffer to allow separation of printheads
- Independent printhead control for different orientation combinations
- Single ink system and electronics support both printheads
- Independent message control

Printhead conduit options

2m	●
4m	○
8m	○

Programming and printing facilities

- Fixed and variable text
- Upper and lower case characters
- Graphics/logos (inc. Logo editor)
- Bar codes EAN 8, EAN 13, EAN 128, ITF 2 of 5, Code 39, Code 128, UPC-A
- Width and delay functions
- Flexible date/time formats
- Automatic date forward function
- Sequential numbering & messages
- Production schedule
- Reverse printing
- Real-time clock functions

Ink range

Black, red, blue or green pigmented oil based inks, suitable for a wide range of porous materials	●

Connections/interfacing for

Shaft encoder	●
Primary and secondary product detectors	●
External alarm output	●
RS232	●
Linx IJ600 Printer Driver	○
Claricom CLARiSOFT message design software	○
Claricom CLARiNET coder independent network management software	○

Physical characteristics

Control unit	Stainless steel
Printhead	Stainless steel
Environmental protection rating (En 60529:1991/IEC60529:1989)	Control Unit – IP65 Printhead – not rated
Mounting options	Bench or console
Operating temperature range (Heated printhead range down to 2°C)	10 – 40°C
Humidity range (r.h., non-condensing)	10 – 80%
Power supply	90-240V, 50/60Hz
Power rating	75W
Weight: Control unit	13.45kg
Weight: Printhead (excluding conduit)	5.2kg

Accessories

Customer maintenance toolkit	●
Cleaning kit	○
Micro-adjustable printhead support gantry	○
Serial to ethernet converter	○

Regulatory approvals

TÜV/GS	●
CE mark	●
FCC	●

Key ● standard ○ option

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

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