LINX 8820 PRINTER

The Linx 8820 continuous ink jet printer prints up to 3 lines and provides a perfect coding solution for industrial environments.

Designed to reduce your total cost of ownership and increase your production line output, the Linx 8820 delivers consistent, error-free codes.

With its unique sealed printhead design and durable stainless steel construction the Linx 8820 operates reliably in tough production environments, optimising line productivity.

Low total cost of ownership

- ✔ **Solvent consumption as low as 3.5ml* per hour** to save on fluid costs
- ✔ **Single part ink and filter change** minimising service costs
- ✔ **Printhead cleaning interval up to three months** to reduce downtime and fluids consumption

Built-in reliability for increased productivity

- ✔ **Unique sealed printhead design** protects critical components from physical damage
- ✔ **8 hour reserve print capacity** to reduce line stoppages from fluid running empty
- ✔ **Linx PrinterNet™ enabled** IoT solution gives you better control of your production line and fast remote fault resolution to improve uptime

Consistent error-free codes and ease of use

- ✔ **Customisable touch-screen with your product images** to provide error-free code setup without language barriers
- ✔ **Fast one-touch access to frequently used functions and step by step guides** for right first time set up
- ✔ **Simple, one-touch, fluid cartridge refills during printing** no mess, no tools, no mistakes

*average consumption at 20°C, ink and application dependent

IJPN TECHNOLOGIES (I) PVT. LTD.

LINX

Linx 8820

PRINTHEAD

60mm minimum bend radius in static applications. 180mm minimum bend radius in dynamic applications.

223mm | 42mm

SIDE ELEVATION

347mm

FRONT ELEVATION

440mm | 499mm | 404mm

90° PRINTHEAD OPTION

257mm

Technical Specifications

PRINT SPEEDS AND SIZES

Printhead:	Mk11 Midi	Mk11 Midi plus
Nozzle size:	62 µm	75 µm
Lines of print:	Up to 3	Up to 3
Character height range:	1.8 to 20 mm	2.1 to 20.1 mm
Maximum speed for single line print (5 dot high characters):	6.25 m/s (0.47 mm drop pitch)	7.28 m/s (0.57 mm drop pitch)
Maximum speed for two line print (7 dot high characters):	2.46 m/s (0.43 mm drop pitch)	2.38 m/s (0.52 mm drop pitch)
Recommended distance from printhead to substrate:	12mm (35mm for carton coding message style)	20mm (45mm for carton coding message style)

HARDWARE FEATURES

Easi-Change® Service Module, change interval: up to 12 months (6,000 hours) – dye-based inks, up to 12 months (6,000 hours) – soft pigmented inks* Only 0.5L of ink changed

Unique automatic printhead flushing: typical cleaning interval 3 months (100 starts and stops) – dye-based inks, up to 1 month – soft pigmented inks

Printhead jet-speed control and temperature sensing for consistent printing in changing ambient temperatures

Mistake-proof, mess-free ink and solvent refilling while printing (0.5 litre ink cartridge, 1 litre solvent cartridge)

7-inch full colour touch screen with tough, solvent-resistant polymer cover

Durable ink pump with no scheduled changes required

Extended shutdowns (up to 3 months) without printer flushing or draining

Robust, flexible dual-tube conduit for static and moving printhead applications

SOFTWARE FEATURES

Single-press start print, pause print and jet shutdown

Auto power-off after jet shutdown

Simple message creation and editing with drag-and-drop field positioning, zoom function and insert mode for long messages

Total print count, message count and batch count

Message selection using product images

Password-protected functions, with customisable user profiles

Message creation/editing while printing

On-screen output rate measurement and production stoppage log. Downloadable onto USB device

On-screen fluid level indicators, 12 hour running from fluid refill warning to printer stop in most applications

On-screen help and diagnostics information

PrintSync® automatic font and message format selection, based on message style selected and production line speed

Multiple operator languages (user selectable) with on-screen keyboards, secondary keyboard for multi-language printing

Simple line speed and shaft encoder setup wizard, for installation on new production lines

Message store and printer settings backup, copy and restore using USB storage device

Simple Communications Protocol (YAML based scripts) and Linx Remote Communications Interface for connection to PCs or PLCs using Ethernet port

MESSAGE PRINTING FACILITIES

Text, symbols and numbers

Prompted fields for one-step message editing with customisable on-screen prompts

Height, width and delay functions for easy code sizing and positioning

Automatic formats for printing dates, times and date rounding (using the printer's internal clock)

Automatic date forward function. Add number of seconds, minutes, hours to the current time, or number of days, weeks or months to the current date

Automatic time adjustment option for daylight savings time

Sequential numbering, forward and backward counting, variable intervals

One-touch sequential number reset option from the printer screen, and reset using external trigger

Number of messages stored: up to 1000 using internal printer memory (depending on message content), more can be stored using a USB storage device

Bold character printing (up to 9 times)

Variable character spacing for improved vision system recognition

Rotated character (tower) printing

Shift coding (message content changes automatically at defined times)

Graphics and logos can be imported into the printer as bitmap files using the USB port

PRINTHEAD OPTIONS

2m conduit

4m conduit (option)

90° printhead (option)

Positive air purge to printhead (provides improved reliability in dusty or humid environments) (option)

INK RANGE

Linx MEK base (dye-based, soft pigmented-based)

Linx mixed base (MEK-free, dye-based)

Linx ethanol base (MEK-free, dye-based)

SOLVENT CONSUMPTION

3.5ml/hour (at 20°C, ink and application dependent)

CONNECTIONS/INTERFACING FOR

Product detector

Shaft encoder/second product detector

External single-stage alarm output (24v)

USB – for message backup and transfer, and wifi connection for Linx PrinterNet

Ethernet

Volt-free contact alarm connection (e.g. for use with external mains-driven alarm) (option)

Dual alarm output (Volt free and 24V output) (option)

PHYSICAL CHARACTERISTICS

Base and enclosure: Stainless steel

IP55 environmental protection rating**

Mounting options: Static stand, mobile stand, bench, wall mount bracket

Operating temperature range: 5-45°C (0-50°C for Linx 1240 ink type)

Humidity range (r.h., non-condensing): 90% max

Power supply: 100-230V, 50/60Hz

Power consumption: 38W (typical when printing)

Power rating: 100 W

Weight: 24kg (including fluids and printhead)

REGULATORY APPROVALS

CE, EAC, NRTL, FCC

*Interval may be adjusted in certain environments and applications to provide reliable running between service module changes

**IP rating is independently verified – certificates available on request

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