Linx CJ400

The Linx CJ400 is radically different from other coders. It's the simplest printer to use and maintain, the most portable and the quickest to set up and print with.

The Linx CJ400 prints up to three lines of information such as lot codes, dates, times, text and other data onto almost any porous or non-porous surface. Using continuous ink jet technology, it prints onto products as they move on the production line, without contact, and can quickly change the printed code without lengthy set up procedures.

Need a simpler coder?
The Easi-Change® Service Module means you service the printer yourself in minutes. There is no need for trained technicians or service calls, saving time and cost.

The printhead has a typical cleaning interval of three months, saving on cleaning fluids and increasing productivity.

The unique hermetically sealed printhead is adjustment free, increasing productivity and eliminating the risk of costly damage to critical components.

Need a portable coder?
The ergonomically designed printer weighs just 13.5 kg making it the easiest to carry between production lines, increasing productivity and reducing equipment costs.

The tough, compact enclosure can fit almost anywhere. The printer stores up to four different production line settings, so it can be put to work wherever you need it.

The printer can print characters from 2 mm to 20 mm high, so you use one printer for both product and carton printing, reducing costs.

Need to set up print jobs quickly and easily?
The easy to use colour touch screen has on screen prompts and trouble shooting guides, to get you coding straight away.

Automatic message set up (PrintSync®) and line speed measurement gives consistent print quality whatever the production line speed.

The large message store holds 1000 typical messages, which can be backed up and transferred between printers using the USB port, to give you mistake proof printing.

LINX

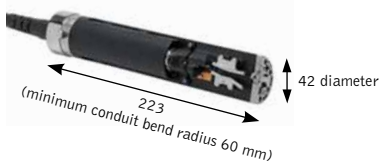# THINKING ALONG YOUR LINES

The Linx CJ400

Dimensions (mm)

Front Elevation

364

450

Top Elevation

323

450

Side Elevation

364

323
(including clearance at
back of printer)

Printhead

42 diameter

223
(minimum conduit bend radius 60 mm)

Printing speeds and sizes

Lines of print supported	Up to 3 lines of print
Message height range	1.8 mm to 8.8 mm as standard
	optional "carton coding" message style prints one line 20mm high @ 0.5 m/s
Character width range*	1.7 to 5.7 mm
Maximum line speed*	(in direction of product travel)
1 line of print	2.6 m/s*
2 lines of print	1.3 m/s*
3 lines of print	0.84m/s*
Maximum number of characters per second	1200*
Maximum message length	In excess of 1 m
Recommended distance from printhead to substrate	12 mm (33 mm for carton coding)

* Figures quoted are for solid printed characters with no gaps between printed drops. Faster print speeds and wider print can be achieved easily by increasing the gap between printed drops. See the separate Linx CJ400 print samples sheet for more information

Hardware features

- Easi-Change® Service Module offers up to 6000 hours between scheduled maintenance
- Mistake-proof mess free ink and solvent refilling, with SureFill® system, and on screen ink and solvent tank status indicators
- Up to 10 hours warning from fluid "low" to "empty"
- High brightness back-lit, ¼ VGA full colour touch screen with tough, solvent resistant polymer cover
- Durable gear pump with no scheduled changes required
- Unique automatic printhead flushing – typical cleaning interval 3 months (100 starts and stops)
- Printer status indicator LED (3 state)
- Easy to carry design with carry handles, printhead stowage hooks, allows tilt up to 45 degrees from horizontal when carrying, without spillage or leakage
- Extended shutdowns (up to 4 weeks) possible without printer flushing or draining

Software features

- Step by step message creation and editing
- Password protected functions, with customisable user profiles for secure, mistake proof operation
- On-screen help and diagnostics
- On-screen instructions for changing Easi-Change® Service Module, ink and solvent refilling and other functions
- PrintSync® automatic font and message format selection, based on message style selected and production line speed
- On-screen keyboards
- Single press print start, print pause and printer shutdown
- WYSIWYG message style selection
- WYSIWYG message store display
- Multiple operator languages
- Simple line speed and shaft encoder set up wizard, for installation on new production lines
- Message store and printer settings back up, copy and restore using USB storage device
- Remote communications interface

Message printing facilities

- Text, symbols and numbers
- Upper-case and lower-case text
- Variable character height and width
- Automatic formats for printing dates and times (using the printer's internal clock)
- Sequential numbering, forward and backward counting, variable intervals
- 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)
- Rotated character (tower) printing
- Graphics and logos can be imported into the printer as Bitmap files using the USB port
- Reverse and inverted printing
- Automatic date forward function. Add any number of seconds, minutes, hours to the current time, or any number of days, weeks or months to the current date
- Prompted fields for simple message editing
- Remote fields, updated using data from an external device
- Shift coding

Printhead characteristics

- 62µm nozzle
- Flexible and durable dual tube conduit, solvent resistant
- Stainless steel cover tube (suitable for use with magnetic and non-magnetic conveyors)
- • 2m conduit
- ○ Positive air purge to printhead (provides reliable printing in dusty or humid environments)

Dye-based ink range

Linx MEK base	•
Linx mixed base	•
Linx ethanol base	•

Connections/interfacing for

Product detector	•
Shaft encoder	•
External 24 volt alarm output	•
USB port for message and printer settings back up and restore	•
RS232 socket	•
Ethernet socket	○

Accessories/options

CLARiSOFT® message creation software – messages can be created on a PC and imported onto printer using the printer USB port	○

Physical characteristics

Enclosure materials	Stainless steel and high specification solvent and chemical resistant polymer
Environmental protection rating (EN 60529:1991 / IEC60529:1989)	IP53 (protected from harmful ingress of dust, resists liquid splashes from angles of up to 60 degrees from vertical)
Mounting options	Bench or optional Linx trolley or table (maximum tilt angle +/- 5 degrees to horizontal when printing)
Operating temperature range	5 – 45°C
Humidity range (relative humidity, non-condensing)	10 – 90%
Power supply	100-230V, 50/60Hz No factory air is required
Power consumption	50W (typical when printing)
Weight (including fluids and printhead)	13.5 kg

Regulatory approvals

TÜV/NRTL	•
CE mark	•
RoHS	•
FCC	•
GOST-R	•

Key • standard ○ option

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