Linx **IJ470**

Large Character Inkjet Printer

Product Brochure



Making printing one less thing to worry about

Putting you first since 1987

From the very beginning, Linx has been built around you.
Since 1987, we've earned a reputation for delivering reliable coding and marking solutions by listening to our customers and understanding their needs.

Every step of our journey has been shaped by your feedback, your challenges, and your expectations - because putting you first is not just what we do, it's who we are.



Built on trust, evolved for you

Linx has long been recognised for producing reliable, easy-to-use coding and marking solutions that our customers trust.

This product is the next evolution, developed directly from customer feedback and designed to solve the challenges you face every day. It retains everything you love about Linx — dependable performance, intuitive operation, and proven quality.

Now enhanced with features to maximise uptime and simplify coding — making printing one less thing to worry about.

Discover the Linx IJ470

Linx has created the **IJ470** so case coding is not one of your worries.

No more worries
about operating costs

The Linx IJ470 reduces running costs on by eliminating the need for labels and pre-printed boxes, as well as reducing warehouse space requirements and waste.



No more worries
about lost production time

The Linx IJ470 eliminates unplanned downtime with automatic nozzle cleaning and no ink warm-up required.



No more worries
about rework, rejects or fines

The Linx IJ470 makes it easy to create new messages correctly with intuitive user interface operation and integration options to reduce errors.



No more worries
about production flexibility

The Linx IJ470 maximises your coding flexibility with options to increase print area, print multiple messages and a choice of durable inks.



Making printing one less thing to worry about

Direct coding to **reduce costs**

Simplify end-of-line coding

Print directly on outer cases

The Linx IJ470 prints high-resolution text, graphics and barcodes, including GS1, directly onto outer cases, allowing you to stay flexible when production requirements change. By printing directly onto every box, you can update codes instantly, at the point of production, without ordering new packaging.



Cut packaging costs

Eliminate labels and pre-printed boxes

Reduce ongoing spending on packaging materials by eliminating labels and pre-printed boxes. Labels add recurring consumable costs and can peel off during handling and distribution, while pre-printed cartons require separate packaging inventories for different products.



Save space and overhead costs

Reduce waste and inventory

Free up valuable warehouse space by replacing multiple label types and box variants with a smaller range of standard products. Stocking fewer packaging materials reduces inventory costs and simplifies production planning.
At the same time, eliminating labels removes label backing waste and helps prevent obsolete packaging from being discarded when product information changes.



Reliable printhead
by design



Prevent nozzle blockages

ReFRESH® micro-purge system

Prevent unplanned downtime and missing prints with the ReFRESH system. During operation, it automatically performs adjustable micro-purges using a small amount of ink and air to keep the print nozzles clean, maintain excellent print quality and keep the printhead in optimum condition. The purge frequency can be adjusted to suit your production.



No ink wasted

ReFRESH® ink recirculation

Ensure every drop of ink is used for printing. The purged ink from printhead cleaning is automatically recycled for reuse. The ink is filtered and returned to the tank for printing. This helps lower consumable costs while reducing refill frequency.



Everything in one code

Large print area

The Linx IJ470 gives you more space for coding with a 70 mm print height and print lengths of up to 2000 mm. Print large text, graphics and barcodes in a single message, helping you meet customer and regulatory requirements without labels or packaging changes. The large print area provides the flexibility to adapt quickly to changing production needs.



Error-free message creation



Simple message creation

Intuitive user interface

Quickly set up and edit messages using the intuitive printer touchscreen. View the printer status and message previews at a glance, then adjust size and content instantly to reduce setup time and wasted product.



GS1® ready

On-screen GS1 code creation

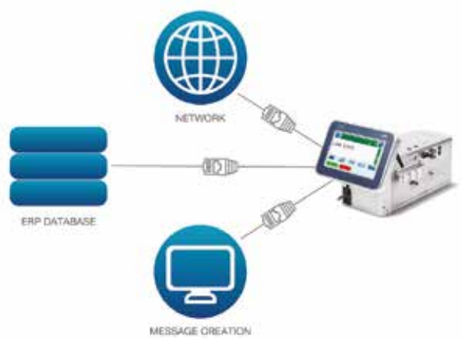
Easily create GS1-compliant 2D codes, and other barcodes, on the IJ470's printer interface. This helps manufacturers meet retailer and regulatory requirements while improving supply chain traceability and product identification.



Integrate with external sources

Connect to your ERP database

Messages can be populated from external databases to help ensure the correct code is printed every time. By pulling data directly from connected production systems, manufacturers can reduce manual entry and help prevent coding errors.



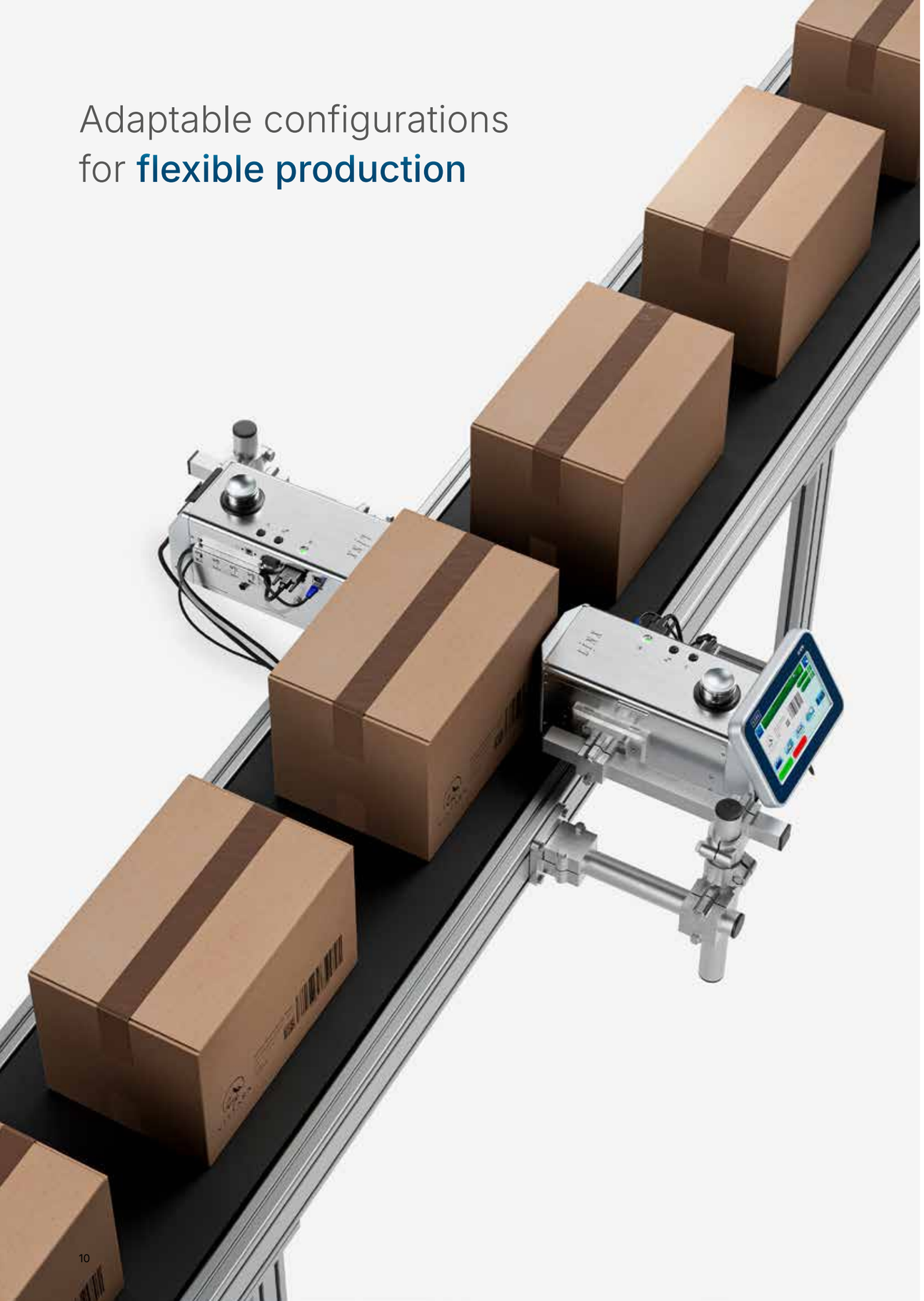
Error-free messages from external systems

Create messages offline

Integrate the IJ470 with line control and message creation software, to create messages offline on a PC, reducing errors and simplifying code management.



Adaptable configurations for **flexible production**



Increase vertical print area

Leader-follower co-printing

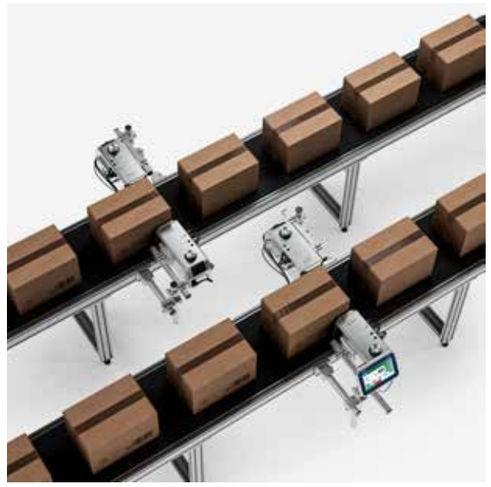
Using a leader-follower connection, a single IJ470 user interface can control multiple printers working together to create taller messages. This gives you the flexibility to print larger text, graphics and codes, while managing everything from one easy-to-use touchscreen.



Print both sides

Up to 4 leader-follower printers

Increase coding flexibility from a single control point. The leader-follower capability allows one UI to control up to four IJ470 printers, enabling multiple print messages across your operation.
Print on both sides of a box simultaneously and manage multiple printers from one interface, reducing operator time and simplifying setup.



Flexible mounting options

Conveyor and floor mounts

Install the IJ470 where it works best for your line. Choose between direct conveyor mounting or a secure floor-mounted stand, with adjustable positioning options that help achieve the ideal print distance and code placement.
Mount the user interface directly on the printer or separately on brackets for ergonomic use.



High performance inks for **code durability**



Eliminate unplanned downtime

Oil-based inks for immediate starts

Unlike inks that require warming up, the IJ470 is ready to print immediately, enabling flexible, on-demand production. It uses oil-based inks that resist drying in the printhead nozzles, helping prevent blockages that can lead to unplanned downtime.



The ink that's right for you

Mineral oil-free inks, black and red

Available with both black mineral oil and black mineral oil-free inks, plus a red mineral oil-free ink for applications requiring high visibility or colour differentiation.



Clear, durable codes

Long-lasting inks on porous materials

The inks absorb quickly into porous substrates, preventing smudging and allowing immediate handling. They deliver clear, long-lasting codes on paper, card, wood and ceramics, with excellent light fastness and moisture resistance.



User-friendly

Easy refills for operator safety

The inks are low odour, low volatility and non-toxic, making them well suited for outer case coding in food production areas and supporting operator safety. Supplied in non-pressurised, self-opening canisters, they enable quick, clean ink changes with no opening or pouring needed.



Other important features

Built for real production environments

Robust printer enclosure

The stainless steel and anodised aluminium enclosure is designed to withstand knocks and resist corrosion, helping to protect critical components and eliminate damage caused by handling and regular use.



Faster installation

Built-in product sensor

A built-in product sensor simplifies installation, reduces hardware requirements and streamlines setup, helping you start coding with minimal effort. For more challenging applications, an external sensor can be added and positioned independently.



Improve efficiency

Cost-per-code measurement

The on-screen cost-per-code function helps manufacturers compare coding costs with alternatives such as labels while monitoring consumption, optimising message design and reducing waste.



Easy installation

Compatible accessories

Existing mountings and accessories from legacy Linx LCM coders are compatible with the IJ470, helping simplify installation. While additional components are required, reusing existing hardware reduces installation time and helps minimise ownership costs.



Typical applications

























Print samples

Kingsfield Canine

Chicken & Rice Recipe | 6 x 3 kg bags

LOT: PPR-57264
MFG: 15 AUG
BEST BEFORE: 15 JUL

(01)05012345123455

FSC
RECYCLED
Made from recycled material
FSC® C000000

100% RECYCLED PAPER TOWELS | 24 packs

CERTIFIED SUSTAINABLE

Product: Orange & Mango	
Code: OMJUI45432	Case Contents: 24 x 330 ml
Best Before End: 10/02/2032	1505529785342
Store out of sunlight in a cool dry place, max temp 20°C	

Oakfield Farm Sausages

8 x 12 Pack
LOT: OFS260815-07
PACKED: 01 NOV
USE BY: 08 NOV

(01)05012345123455

VISTARA
SPRINGS

Vistara Natural Spring Water

Sparkling Spring Water | 12 x 500 ml

BATCH: AV-DHBT47395-07

PACKED:

15 AUGUST

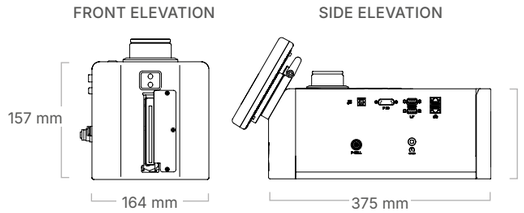
AV5827419083

LOT: SP240815A
MFG: 15 AUG
BBE: 15 MAR

(01)05012345678900

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Technical Specifications



		LINX IJ470
PRINT AREA		70 mm (H) x 2000 mm (L) 2.8" x 78"
CHARACTER HEIGHT RANGE		1.4 mm - 70 mm
RESOLUTION		180 dpi, 7 ink dots/mm
MAXIMUM PRINT SPEED*	**BARCODES**	0.6 - 66 m/min (2.0 to 216 ft/min)
	ALPHANUMERIC TEXT	up to 132 m/min (433 ft/min)
PRINT DISTANCE (FROM PRINTER FACE)		0.5 - 4.0 mm
CABLE LENGTH (PRINTER TO DISPLAY UNIT)		1 m, 3 m (option)
PRINTER ORIENTATION		Horizontal, printing onto vertical surfaces
PRINTHEAD		Linx ReFRESH® system which can be adjusted to suit the production environment
		Single button press to clean printhead nozzles
PRINT CAPABILITIES	**CREATE ON UI**	Text, Symbols, Numbers, Graphics and Logos, Barcodes (EAN128 including GS1-128, ITF-14 including I2of5, EAN 8, EAN13, UPC-A, UPC-E, Code 128 A, B & C, Code39, Dotcode, Dotcode GS1, QR, QR GS1, Data Matrix, Data Matrix GS1)
	SOFTWARE REQUIRED	Barcodes (PDF417, Micro PDF417, DataBar RSS14, GS1 DataBar Expanded)
MESSAGE CREATION		Create and edit messages on the user interface
		On-screen barcode and GS1 code creation
		CLARiSOFT®, CLARiNET® software, ZPL® emulation for other message creation and management software, Windows® printer driver
		Prompted fields for user entry of dates and batch codes
		Database access using CLARiTY® configuration manager
		Scan2Run to enable message selection with a scanner
PRODUCTION LINE AUTOMATION		Printer and print jobs can be controlled by binary and text command language.
		Offline setup and parameter storage on PC
USER INTERFACE		8" high-response TFT-LCD touchscreen Detachable display unit (DDU) can be mounted to the printer body or a bracket
		USB port for transferring messages, backup files and software updates
		On-screen diagnostics, message creation and review, print job management and printer status
		Control access with different operator user levels
STORAGE		8GB on-board memory
		USB memory for message storage and printer cloning
LANGUAGES		English, Arabic, Bulgarian, Chinese (Mandarin), Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese
CONNECTIONS		Leader/follower units; link up to four printers to a single user interface
		1 x Product detector input, 1 x DB15 interface integrated shaft encoder input, Job select inputs, 24VDC output, 3 configurable inputs and outputs for driving relay control or beacon, 1 x DB9 interface for sharing product detect and encoder signal between printers, Ethernet, RS232
ENCLOSURE		Stainless steel and anodised aluminium
OPERATING TEMPERATURE RANGE		5-40 °C with no warm-up required. 0-5 °C with 30 minute warm-up time
STORAGE TEMPERATURE RANGE		Store the drained printer at 10–35 °C
HUMIDITY RANGE		10% to 80% relative humidity, non-condensing
ACOUSTIC EMISSION		Less than 70 dBA
AIR SUPPLY		6 Bar, 90 psi, dry, uncontaminated / Regulated to 4.5 Bar, 65 psi
POWER SUPPLY		100-240 VAC, 50/60 Hz, 2.1-1.2 A
POWER CONSUMPTION		50 W maximum
WEIGHT		6.7 kg (printer and display screen, excluding fluids)
MOUNTING OPTIONS		Fully adjustable floor or conveyor mount
REGULATORY APPROVALS		CE UL CAN/CSA FCC TUV
WARRANTY		12 months, including printhead

*Speeds are message density dependent

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Ink Specifications

INK NAME	INK BASE	SHELF LIFE (months)	DRYING TIME (seconds)	ORDERING PACK OPTIONS	
				4 X 175 ml	1 X 365 ml
BLACK INK LC8520	Oil-based contains mineral oil	12	<1	✓	✓
BLACK MINERAL OIL-FREE INK LC8600	Oil-based Mineral oil-free	18	<1	X	✓
RED MINERAL OIL-FREE INK LC8620	Oil-based Mineral oil-free	12	<1	X	✓

INKS FOR LINX IJ470	
INK CANISTERS	Non-pressurised, non-drip ink canisters can be replaced during printing
	Fluid ID Number (FIN) used to ensure compatibility and performance
INK ORDERING OPTIONS	Pigmented oil-based inks Linx Black ink LC8520, Linx Black Mineral Oil-free ink LC8600, Linx Red Mineral Oil-free ink LC8620
	365 ml and 175 ml canister volumes available. (1 × 365 ml canister of ink or 4 × 175 ml canisters of ink in a pack)
Non-flammable	
Manufactured to certified and verifiable ISO 9001 and ISO 14001 quality and environmental procedures	
STORAGE TEMPERATURE	0 °C - 40 °C
OPERATING TEMPERATURE RANGE	0 °C - 40 °C
MINERAL OIL	LC8600 & LC8620 meet the requirements of French Law #2020-105 which restricts the use of mineral oil saturated hydrocarbons (MOSH), mineral oil aromatic hydrocarbons (MOAH), and polyaromatic hydrocarbons (PAH).
HEAVY METALS	Meets the requirements of CONEG model legislation including 94/62/EC
RoHS/WEEE	Meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863.
REACH	Complies with EU Regulation (EC) No. 1907/2006 as amended.
HALOGENS	Meets the International Electrotechnical Commission (IEC) definition of halogen-free.
INGREDIENT PROFILE	Does not contain major allergens, animal-based raw materials, nor organisms, genetically modified or not.
FOOD PACKAGING	May be used on the non-food contact side of food packaging. The packaging must provide a barrier between the ink and the food. When used in this manner, the inks are in compliance per 21 CFR 170.3(e)(1), Regulation (EC) No. 10/2011, and Regulation (EC) No. 2023/2006.



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