

LINX TJ50 PRINTER



Reliable. Connected. Performance.

Designed for demanding applications, the Linx TJ50 is a high-performance, versatile thermal ink jet solution that prints text, graphics and machine-readable codes onto a wide range of packaging materials.

Intuitive and easy to use software enables complex message creation and easy database connectivity.

Consistent, high-quality codes delivered with advanced printhead design, ideal for fast-moving, fast production lines.



Reliable

- ✓ **Continual reliable performance**
Proven technology components provide optimum performance for the lifetime of the product
- ✓ **No maintenance and no wear parts**
Increasing production time and reducing operating costs while delivering consistent print quality
- ✓ **Long-lasting printed messages**
Specialist pigmented inks deliver reliable, quick read grade A barcodes throughout the supply chain



Connected

- ✓ **Database connectivity**
Simple to set up database access to automate and mistake-proof messages
- ✓ **Eliminate coding errors**
Automatically populated messages from databases eliminate human error
- ✓ **Easy message maintenance**
Database connectivity and message templates make it quick and easy to add new product messages



Performance

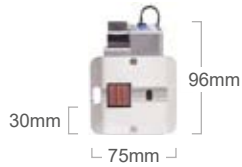
- ✓ **Rapid dry time and good adhesion**
On wide range of materials with line speeds up to 90 metres per minute
- ✓ **Next generation overlapping nozzle technology**
Helps to eliminate missing pixels to deliver consistent, high-quality codes
- ✓ **Easy to integrate**
Small and compact printer, easy to set up on production lines using a single bracket, ideal for fast-moving, busy factories

Linx TJ50

HP PRINTHEAD
SIDE ELEVATION



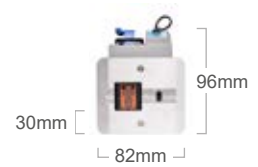
HP PRINTHEAD
FRONT ELEVATION



LX PRINTHEAD
SIDE ELEVATION



LX PRINTHEAD FRONT
ELEVATION



Technical Specifications

PERFORMANCE

Printhead: Single LX cartridge with intelligent cartridge care and sensing. 2 columns of twin nozzles for high product availability

Or

Printhead: Single HP cartridge with intelligent cartridge care and sensing. 2 columns of nozzles for minimum ink usage

High quality aluminium housing

Printing orientation sideways and downwards

Maximum vertical print resolution: 600DPI

Horizontal print resolution: 50 - 900 DPI

Maximum print speed: LX 90m/min @ 300dpi, HP 60m/min @ 300dpi

Maximum print height: 12.7mm, 0.5inch

Maximum Ink throw distance: HP 4mm, LX 4mm for solvent based ink cartridge, 10mm for water based (pigmented or dye based) ink cartridges

Maximum message length: 2m

Up to 9 messages are selectable via the printer directly, using the pushbuttons

Built-in photo cell for automatic print triggering

3-button operation with LED indicators

PRINTING AND PROGRAMMING FACILITIES

Transfer of messages to printer via USB stick or Ethernet

Message types, Text, Time, Date, Logo, Counters, Date offset, Variable text (using HMI), action field, 1d barcodes, 2d barcodes (including GS1, QR), ODBC connection to databases

Linx iDesign PC software to create messages for a USB stick, or connect to your printer via Ethernet to administer and control your printer remotely from a PC. Automate printing from spreadsheet or ODBC database connection. Includes ink consumption calculator.

Configurable I/O (for PLC for example)

INK RANGE

Linx LX cartridges for porous, semi-porous and non porous surfaces

Or

Linx HP cartridges for porous, semi-porous and non porous surfaces

CONNECTIONS/INTERFACING

USB socket

Ethernet

Sub-D 15 Pin

INSTALLATION AND OPTIONAL ACCESSORIES

Accessory pack - Includes: USB-Stick with Linx iDesign, Power Supply 24V / 30W / 15pin, Side mounting bracket, Ethernet cable 3m

Optional downwards print bracket

Optional HMI interface to see messages and adjust printer parameters close to the printer

Power Supply 24V / 30W / 15pin

Alarm Beacon

Cartridge follower, to adjust for changes in packaging size

External Photocell

Shaft Encoder

Connection cables

PHYSICAL CHARACTERISTICS

Weight: 570 g

Length: 119mm / 118mm

Width: 75mm / 82mm

Height: 96mm / 96mm

Temperature range: 5 to 40°C*

Relative humidity, maximum (non-condensing): 10 to 90 %

Maximum operating time: the device is designed for continuous operating

External AC/DC Power supply: Input 100-240V AC, 50-60Hz; Output 24Vdc @2.5A

Power rating: 10W (typical) 30W (max)

REGULATORY APPROVALS

• CE • RoHS • FCC

LANGUAGES

English, French, Portuguese, Spanish, Finnish, Italian, Turkish, German

*Operating temperature and humidity range are ink cartridge type dependent



Optional HMI interface



iDesign software