Linx SL1

Compact laser coder

The Linx SL1 laser is a cost-effective, compact coder which fits easily into production environments where space is constrained.

This highly flexible laser delivers a wide range of message types: multiple lines of high quality text, logos and machine-readable codes. The efficient system design extends laser tube life – enhancing reliability and reducing costs.

Fast flexible coding – without the cost

- Lightweight and ultra-fast mirrors permit higher coding speeds
- Efficient, high power system design optimises laser tube life, increasing reliability
- Configurable lens options for more versatile product marking
- Low operational costs with no consumables
- Coding on a wide range of materials.

Superior code quality

- High resolution characters in a range of font types ensure codes perfectly complement packaging designs
- Logos and 2D codes, including DotCode for the tobacco industry
- Mix text, logos and machine-readable codes all in a single message
- Discrete coding and permanent marking for effective anti-counterfeiting and traceability
- Easy to use LinxDraw® software allows easy, secure message creation
- Production line control signals for real time monitoring.

Simple and robust to suit any production line

- Robust stainless steel body
- Integrated keyswitch for secure operation and enhanced safety on the line
- Install quickly and easily into tight production lines and packaging machines
- Straight shooter or down shooter for easy coding in any orientation
- Ideal alternative for situations where ink-based coders are not suitable.

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Four focussing lenses for a wider range of working distances

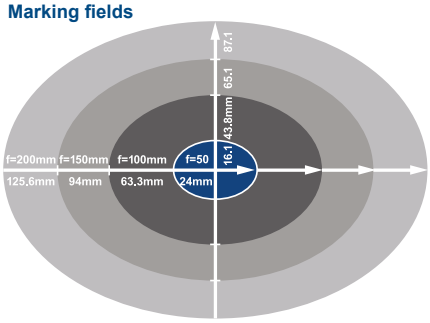
Working Distance (mm)

83-89	80	128	179

f=...mm

50	100	150	200

Marking fields



Technical Specifications

SOFTWARE
Communication

Ethernet (TCP/IP, 100Mbit LAN), RS232, digital I/Os

Inputs for encoders and product detector triggers

I/Os for the signals, start, stop, error, job select (32 different templates), trigger, encoder, ready to mark, marking, shutter closed and machine/ user interlocks

LinxDraw

Graphics-orientated user interface for intuitive and fast preparation of complete code templates on PCs: System configuration, Text/data/graphics/ editor, Configurable in several languages, Easy access to standard CAD and graphic programs via import functions, WYSIWYG, Password-protected security levels

TECHNICAL DATA

Laser: Sealed CO_2 laser, power class 10W laser wavelength 10.6 µm, 4 focusing lenses

Languages: English, French, German, Dutch, Spanish, Portuguese, Chinese

Options: Beam shield, Exhaust unit, Product detector, Encoder, Stand, Dual interlock safety module, Controller

Standard: Start and stop keys with safety switch, LED indicators for status, laser emission, error

Electrical requirements: 100 – 120V, 200 – 240V, Autorange 1PH, 350 VA, 50/60 Hz

Cooling: Internally air-cooled

Ambient temperature: 5 – 35ºC

Humidity range: 10 – 90 %, non-condensing

Weight: Marking unit approx. 12.5 kg

Enclosure: Stainless steel

MARKING FORMATS
For ultimate flexibility

Standard fonts (Windows® TrueType®/TTF; PostScript®/PFA, PFB; OpenType®/OTF)

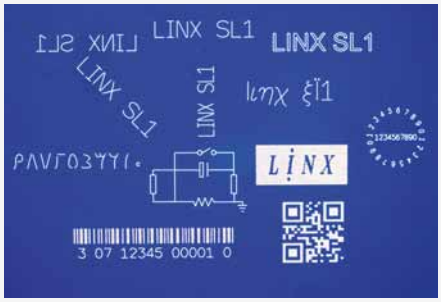
Individual fonts such as high-speed or OCR

Machine-readable codes:
Bar codes: BC25,BC25I, BC39, BC93, EAN 8, EAN 13, BC128, EAN 128, Postnet, SCC14, UPC_A, UPC_E, RSS14TR, RSS14ST, RSS14STO, RSSLIM, RSSEXP
Data matrix 2D codes: ECCOOO, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR

Graphics/graphic components, logos,symbols, etc. (the most common file formats such as DXF, JPG, AI can be imported)

Linear, circular, angular text marking; rotation, reflection, expansion, compression of marking contents

Sequence & serial numbering; automatic date, layer, time coding, real-time clock; online coding of individual data (weight, contents, etc.)



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