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
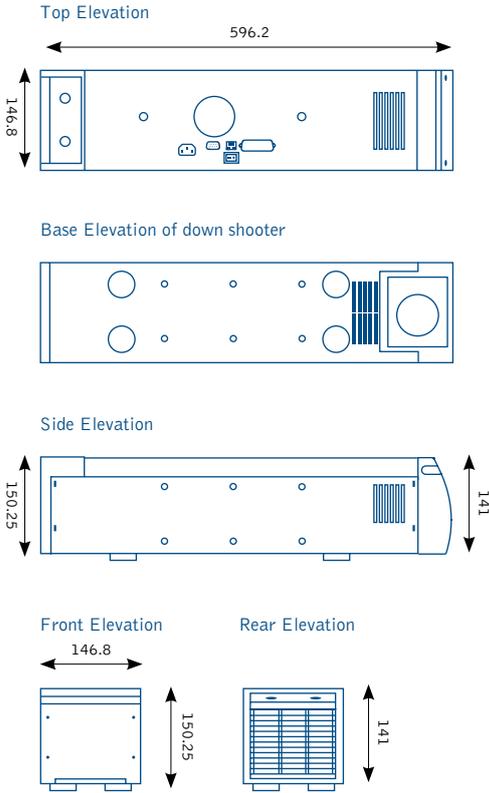- Production line control signals for real time monitoring.

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.
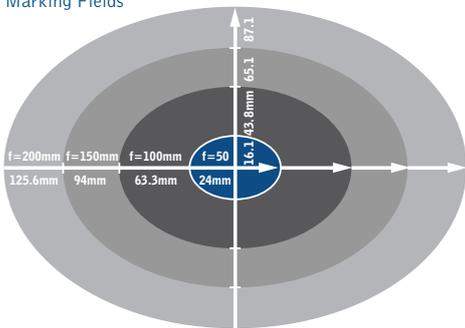

LINX

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Linx SL1

Dimensions (mm)

Top Elevation

596.2

146.8

Base Elevation of down shooter

Side Elevation

150.25

141

Front Elevation

146.8

150.25

Rear Elevation

141

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

87.1

65.1

43.8mm

16.1

f=200mm f=150mm f=100mm f=50
125.6mm   94mm   63.3mm   24mm

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
Laser class	4 (according to IEC 60825-1:2007)
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.)

www.linxglobal.com

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