# 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.
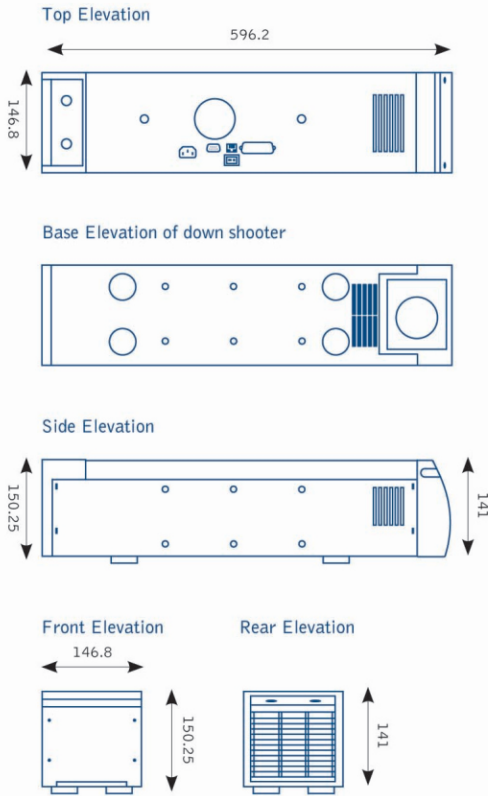
### Simple and robust to suit any production line

- 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.
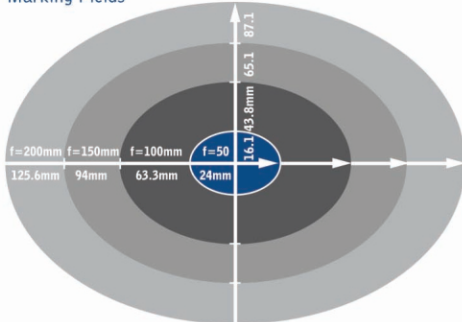
# LINX

## THINKING ALONG YOUR LINES

# 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
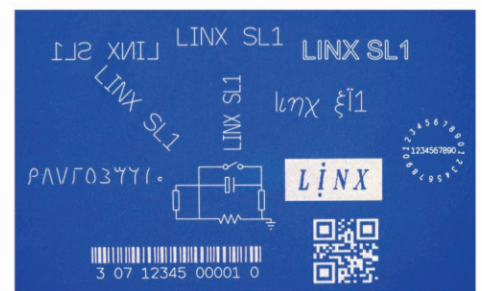- WYSIWYG
- Password-protected security levels

## 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 – 35°C |
| 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: ECC000, 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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