

# LINX SL3 LASER CODER



## Affordable. Robust. Simple.

The Linx SL3 Laser Coder is affordable, enabled by a single laser coding unit with flexible configurations to meet your needs.

Simple to install and easy to maintain, the Linx SL3 provides an ideal marking solution onto a wide range of products.

With its IP54 rated enclosure and proven laser technology, the Linx SL3 operates reliably in manufacturing environments, maximizing production output.



### Affordable

- ✓ **Compact, complete laser coder in a single unit** that meets your coding needs at an affordable price
- ✓ **Operates without any consumables** to minimise your running costs.
- ✓ **Flexible user interface** options to control your laser.



### Robust

- ✓ **IP54 stainless steel and anodised aluminium enclosure** to withstand your manufacturing environment.
- ✓ **Established and proven laser tube and marking head technology** provide reliability and confidence.
- ✓ **Operates without interconnections** improving laser reliability through eliminating possibilities of interconnection failure or damage.

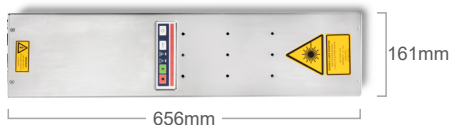


### Simple

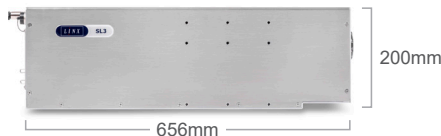
- ✓ **Multiple mounting positions and orientations** support simple and compact installations.
- ✓ **Single unit installation** reduces production line space usage and installation time.
- ✓ **Easy and minimum maintenance** increases production time and reduces running costs

## Linx SL3

TOP ELEVATION



SIDE ELEVATION



FRONT ELEVATION



## Technical Specifications

### LASER DETAILS

Laser type: sealed RF excited CO<sub>2</sub>

Max. Nominal Laser output (10.6µm): 30W

Laser wave length: 10.6µm (Standard), 9.3µm (PET), 10.2µm (Laminated Plastic, card)

Laser tube warranty: 2 years

### PERFORMANCE

Maximum Line Speed: 360 m/min \*

Maximum marking speed [2mm characters/s]: 1300 m/min \*

Number of lines of text: Only limited by character size and marking field size

Character height: Up to marking field size

Print rotation [°]: 0 to 360

### LASER HEAD & LENS OPTIONS

Marking ellipse [mm]: 51 x 80; 76 x 120; 102 x 160

Marking distance [mm]: 92; 141; 190

Head mounting options: down (90°) or straight (0°)

Pilot Laser: available as standard

Focus Finder: available as standard

### PHYSICAL CHARACTERISTICS

Mounting: On 3 sides of laser

Material: Anodised aluminium base, stainless steel covers, anodised aluminium end-caps

Conduit Length: Combined marking unit and supply unit; no conduit required

User interface: Optional 10.1" colour LCD touch screen, stainless steel enclosure

Protection Class: IP54

Cooling: Internal Fan Cooling

Supply voltage / frequency: 100 - 120 Volts or 200 - 240 Volts; 50/60Hz

Size [mm]: 161 W x 200 H x 656 L

Weight [kg]: 21

### LINXVISION® SOFTWARE

Easy access operator toolbar: Date & time offset, variable text, rotate / flip / mirror / curve / scale message, adjust laser intensity

Operating languages: Brazilian Portuguese, Chinese Simplified, Chinese Traditional, English, Japanese, Korean, Russian, Spanish, Thai, Vietnamese, Arabic.

Password protection: Multiple protection levels and access rights (user defined)

### CODING AND PROGRAMMING FACILITIES

Code options: Date, time, static text, variable text, serial numbers, shift codes, increment/decrement (batch count), 1D/2D barcodes, graphics and logos, Julian date, Custom date and time formats, 2D codes including DotCode

Linear, circular, angular, reverse, rotate.

Character type: Vector fonts

Standard system vector fonts: OTF, TTF, PFA, PFB and SVG fonts

Optional customized fonts: Arabic, Bengali, Chinese, Japanese, Thai, Vietnamese

Bar codes: BC25, BC25I, BC39, BC39E, BC93, GSI-128, PZN, EAN 8, EAN 13, BC128, EAN 128, POSTNET, SCC14, UPC\_A, UPC\_E, RSS14TR, RSS14ST, RSS14STO, RSS14IM, RSS14IMGP, RSSEXP, IMB, PZN

2D Datamatrix codes: ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR, Aztec, DOTCODE, MICRO QR, PDF417

### ENVIRONMENTAL DETAILS

Ambient operating temperature: 5 to 40°C (70% duty cycle at maximum temperature)

Automatic overheat detection: yes

Storage temperature: -10 to 70°C

Humidity range: maximum of 90% (relative, non-condensing)

### INTERFACING

Interface ports: 1 detector, 1 encoder, 1 safety connector combining interlock\*\* and shutterlock\*\*, 1 Ethernet RJ45, 1 LinxVision Touch Screen, 2 USB host (via optional user interface)

Input/Output options: Job select input (PCBA direct connect via gland), Start / Stop input (IP54 connector), Marking output, Laser ready output, Ready to mark output, Shutter lock closed

Shutterlock: available as standard\*\*

Interlock: available as standard\*\*

\*\*No performance level at standard. Additional optional safety box and components required to achieve a PL

### REGULATORY APPROVALS

• CE • RoHS

#### INVISIBLE LASER RADIATION

AVOID EYE OR SKIN EXPOSURE  
TO DIRECT OR SCATTERED RADIATION

MAX. POWER: 100 W  
WAVELENGTH:  $\lambda$  = 9 - 11 µm  
LASER CLASS 4  
(IEC 60825-1:2014)

#### VISIBLE LASER RADIATION

DO NOT STARE INTO THE BEAM

MAXIMUM POWER: < 1 mW  
WAVELENGTH:  $\lambda$  = 600 - 700 nm  
LASER CLASS 2  
(IEC 60825-1:2014)

\*Line and marking speeds are application dependant

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