

LINX SL3 LASER CODER



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

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.

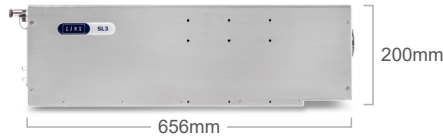
With its IP54 rated enclosure and proven laser technology, the Linx SL3 operates reliably in manufacturing environments, maximizing production output.

Linx SL3

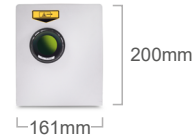
TOP ELEVATION



SIDE ELEVATION



FRONT ELEVATION



Technical Specifications

LASER DETAILS

Laser type: sealed RF excited CO2

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

Laser tube life (average)***: 50,000hrs

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: Arabic, Bulgarian, Brazilian Portuguese, Chinese Simplified, Chinese Traditional, Czech, English, French, Hungarian, Japanese, Korean, Polish, Romanian, Russian, Spanish, Thai, Turkish, Vietnamese.

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, RSSLIM, RSSLIMGP, 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**

REGULATORY APPROVALS

• CE • RoHS • BIS

INVISIBLE LASER RADIATION

AVOID EYE OR SKIN EXPOSURE
TO DIRECT OR SCATTERED RADIATION

MAX. POWER: 100 W
WAVELENGTH: $\lambda = 9 - 11 \mu\text{m}$
LASER CLASS 4
(IEC 60825-1:2014)

VISIBLE LASER RADIATION

DO NOT STARE INTO THE BEAM

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

*Line and marking speeds are application dependant

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

***Laser tube life is environment and application dependent