

LINX SL3 Laser Coder

Affordable. Robust. Simple.



The Linx SL3 Laser Coder delivers professional-grade marking solutions at an accessible price point, enabled by a single laser coding unit with flexible configurations to meet diverse manufacturing needs. Simple to install and easy to maintain, the SL3 provides an ideal marking solution for a wide range of products across multiple industries.

With its IP54-rated stainless steel and anodized aluminum enclosure and proven laser technology, the Linx SL3 operates reliably in demanding manufacturing environments, maximizing production output while minimizing downtime. The system operates without any consumables, significantly reducing running costs and environmental impact. Multiple mounting positions and orientations support simple and compact installations, while the single unit design reduces production line space usage and installation time.



Affordable

Compact, complete laser coder in a single unit that meets your coding needs at an affordable price. Operates without any consumables to minimize running costs and includes flexible user interface options to control your laser.



Robust

IP54 stainless steel and anodized aluminum enclosure withstands harsh manufacturing environments. 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.

Technical Specifications & Dimensions

Performance Capabilities

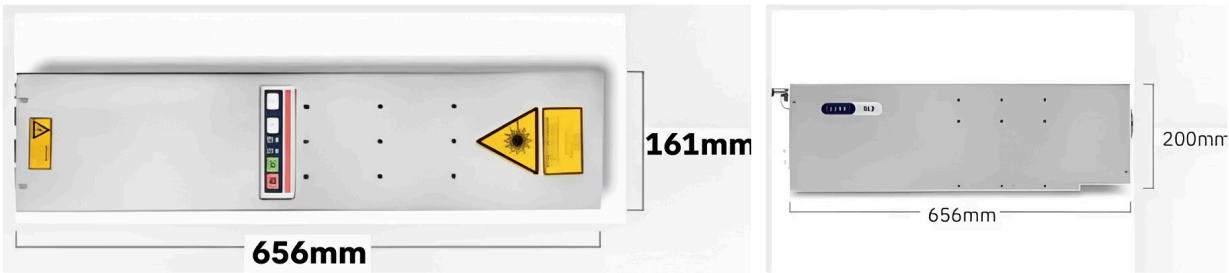
The Linx SL3 delivers exceptional performance with a maximum line speed of 360 m/min and marking speed of 1,300 characters per second. The sealed RF excited CO2 laser provides 30W maximum nominal output at 10.6µm wavelength, with alternative wavelengths available for PET (9.3µm) and laminated plastic applications (10.2µm). The system offers unlimited lines of text, limited only by character size and marking field size, with character heights up to the full marking field and print rotation from 0 to 360 degrees.

Three marking ellipse options are available: 51 x 80mm, 76 x 120mm, and 102 x 162mm, with corresponding marking distances of 92mm, 141mm, and 190mm. The laser head can be mounted down (90°) or straight (0°), and includes pilot laser and focus finder as standard features. The laser tube carries a 2-year warranty with an average life expectancy of 50,000 hours.

Physical Characteristics

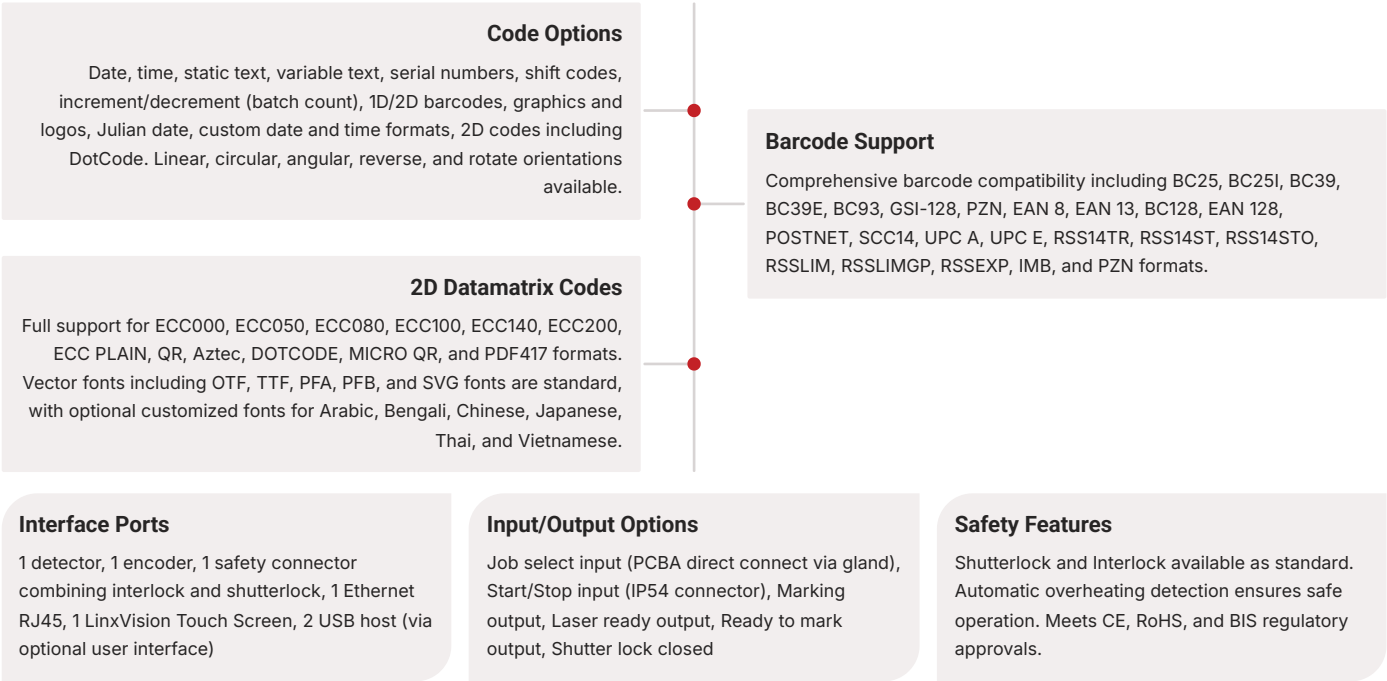
The compact unit measures 161mm (W) x 200mm (H) x 656mm (L) and weighs 21kg. Constructed from anodized aluminum base with stainless steel covers and anodized aluminum end-caps, the system achieves IP54 protection class. Internal fan cooling maintains optimal operating temperature between 5 to 40°C (70% duty cycle at maximum temperature), with storage temperature range of -10 to 70°C and maximum humidity of 90% relative, non-condensing.

The system operates on 100-120 Volts or 200-240 Volts at 50/60Hz and can be mounted on three sides. An optional 10.1" color LCD touch screen with stainless steel enclosure provides intuitive user control. The combined marking unit and supply unit design eliminates conduit requirements, simplifying installation.



LinxVision® Software & Coding Facilities

The comprehensive LinxVision® software features an easy access operator toolbar for date and time offset, variable text, message rotation, flipping, mirroring, curving, and scaling, plus laser intensity adjustment. The system supports 18 operating languages including Arabic, Bulgarian, Brazilian Portuguese, Chinese (Simplified and Traditional), Czech, English, French, Hungarian, Japanese, Korean, Polish, Romanian, Russian, Spanish, Thai, Turkish, and Vietnamese. Multiple password protection levels and user-defined access rights ensure security.



☐ **Safety Classifications:** Invisible laser radiation - Class 4 (IEC 60825-1:2014), Max power 100W, Wavelength λ = 9-11 µm. Visible laser radiation - Class 2 (IEC 60825-1:2014), Max power < 1mW, Wavelength λ = 600-700 nm. Avoid eye or skin exposure to direct or scattered radiation.