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

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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 :1300 characters/sec *
- 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 162
- 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: λ = 9 - 11 µm
LASER CLASS 4
(IEC 60825-1:2014)

VISIBLE LASER RADIATION
DO NOT STARE INTO THE BEAM

MAXIMUM POWER: < 1 mW
WAVELENGTH: λ = 650 - 700 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

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