Linx SL302
30W Scribing laser system

Never compromise on code quality. Now and tomorrow.

Switch to the high-speed, low maintenance Linx SL302 laser coder. For complex codes on fast lines, and even on hard to mark materials, the Linx SL302 produces quality coding and is versatile enough to adapt to your coding needs in the future.

Versatile and fast
- This powerful 30W laser codes high quality text, graphics and Data Matrix codes onto a wide range of materials
- Linx SL lasers provide the quickest galvo response time, offering more control and more time to code
- Modular design and multiple beam delivery options mean the laser can adapt to even the most demanding production lines
- Control up to 4 lasers from a single point with Linx QuadMark®.

Reliable and economical
- Reduce your running costs with the longest tube life on the market (45,000 hours)*
- The widest range of marking heads, lens and tube options offers better laser utilization and longer tube life
- Service intervals are typically twice that of the industry standard, keeping your line running for longer without interruption
- Unlike many alternative laser coders, the Linx SL range does not require expensive factory air for cooling
- No costly consumables associated with other coding methods
- IP54 comes as standard, with an IP65 option for maximum reliability and uptime in challenging environments.

Intuitive operation
- Linx SL laser coders are easy to use, with our new LinxVision® colour touch screen
- Large WYSIWYG display with intuitive message creation; clearly shows the selected message to print, reducing user errors
- The quick message preview function makes browsing the message database easy and ensures the right message is selected
- At-a-glance status reporting enables the user to quickly understand laser status and an easy access Operator Toolbar means activated messages can be quickly modified
- The unique set-up wizard removes the hassle of integration and guides users step-by-step, meaning less downtime.
**Linx SL302**

**Laser details**
- **Laser type**: Sealed RF excited CO₂
- **Nominal laser output (10.6µm)**: 30W
- **Laser wave length**: 10.6µm (Standard) or 9.3µm (PET) or 10.2µm
- **Laser tube warranty**: 2 years
- **Laser Tube Life (average)**: 45,000hrs*

**Performance**
- **Line speed**: Over 250 m/min (code and substrate dependent)
- **No. lines of text**: Only limited by character size and marking field size
- **Character height**: Up to marking field size
- **Print rotation**: 0-360°

**Laser head & lens options**
- **Laser head options**: SHC60, SHC100, SHC120
- **Spot type**: Standard, Small, Micro
- **Lens (mm)**: 64, 95, 127, 190, 254, 300, 351, 400
- **Spot size**: From 0.11 mm to 1.65 mm
- **Marking field**: From 29x36 mm to 295x407 mm
- **Mark distance**: From 67 mm to 385 mm
- **Standard model**: SHC60 Marking Head, 95mm Lens

**Physical characteristics**
- **Material**: Stainless steel covers, anodized aluminium chassis
- **Weight**: Marking unit/supply unit 21.4 kg / 12 kg
- **Conduit length**: 3 m (standard), 5 m (optional)
- **Head mounting options**: Down (90°), or straight (0°) shooter, 360° Beam Extension Unit (BEU), Variable length Beam Turning Unit (BTU)
- **Marking head rotation**: 0-360° with BEU and BTU
- **Protection class**: IP54 or IP65 (optional)
- **Cooling**: Air cooled
- **Supply voltage/frequency**: Auto selection range 100 to 240V
- **Maximum power consumption**: 0.75kVA
- **LinxVision touch screen user interface**
  - **WYSIWYG Display and Message select preview**
  - **Easy access operator toolbar**: Date & time offset, variable text, rotate/ move /scale code, adjust laser intensity
  - **Multiple laser control**: Up to 4 lasers with Linx QuadMark
  - **Multiple operating languages**: Arabic, Brazilian Portuguese, Chinese Simplified, Chinese Traditional, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese
  - **Password protection**: Multiple protection levels and access rights (User defined)

**Coding and programming facilities**
- **Code options**: Date, time, static text, serial numbers, shift codes, Increment/decrement (batch count), ID Matrix, barcodes, graphics and logos, Job select, date and time formats
- **Character type**: Vector fonts
- **Standard system vector fonts**: OTF, TTF, PFA, PDF and SVG fonts
- **Optional customized fonts**: Arabic, Bengali, Chinese, Japanese, Russian, Thai, Vietnamese
- **Bar codes**: BC25, BC25I, BC39, BC39E, BC93, EAN 8, EAN 13, BC128, EAN 128, Postnet, SCC14, UPC_A, UPC_E, RS147A, RS147T, RS147ST, RS147L, RS14EXP
- **Data matrix 2D codes**: ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR

**General features**
- **Variable pulse frequency**: 50 to 25,000 Hz
- **Memory Storage (RAM)**: 256MB
- **Set-up**: Via LinxVision UI or LinxDraw (PC)
- **LinxDraw compatibility**: Windows XP/Vista/Windows 7
- **Comprehensive systems diagnostics including log function**

**Environment details**
- **Ambient operating temperature**: 5 to 40°C (70% duty cycle at maximum temperature)
- **Automatic overhear detection**: Yes
- **Humidity range**: 10-90% (relative, non condensing)

**Interfacing**
- **Interface ports**: 1 detector, 1 encoder, 1 Serial RS232, 1 External RJ45 Ethernet Port, 1 Internal RJ45 Ethernet Port
- **Computer interface**: Ethernet
- **Input / Output options**: Job select, Good / Bad Mark signal, Interlock, Start / Stop, Ready to Mark, System Ready, Trigger monitor, Trigger enable

**Safety features**
- **Interlocks (standard)**: European or American
- **Interlocks (optional)**: Safety module to meet EU Directive performance level D

**External blower unit (IP65 version)**
- **Supply voltage/frequency**: Auto selection range 115 to 230V
- **Air flow capacity**: 400m³/hr
- **Ambient Temperature**: +5°C to +40°C
- **Weight**: 15kg

**Regulatory approvals**
- **CE, NRTL/FCC, EAC, RoHS

*Tube life may vary according to application

**Key**
- **standard**

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