Do you need quality, reliable product coding on a high speed production line?

Then consider the Linx SL501 which delivers both print speed and high resolution quality codes without compromise. Using steered beam laser technology, a high power 50w laser tube and a stand-alone mobile IP65 stainless steel enclosure, the Linx SL501 is the class-leading laser coder for even the most challenging production environments.

High performance in harsh production environments
The Linx SL501 is ideal for printing high-quality text, graphics and Data Matrix codes on a wide range of materials, for both primary coding or secondary packaging applications.

Capable of speeds of over 700m/min and protected against the toughest production environments, the Linx SL501 is ideal for high-speed coding applications in the beverage, brewing and food industries. It is equally at home on slower production lines where more complex coding or marking is required on components made of more difficult to mark materials such as glass and rubber.

The perfect fit for your production line
The stand-alone mobile cabinet and articulated arm ensure easy installation into tight spaces. The laser can easily be moved between lines, with no reliance on factory air or water to cool the laser tube.

Full control at your fingertips
The Linx SL501 is programmed via a simple integrated keypad or remote panel interface which provides access to all routine operator functions.

In addition, the powerful LinxDraw PC software allows remote editing of complex codes and graphics as well as Ethernet control of multiple machines from a single workstation.
### Linx SL501

**Dimensions (mm)**

**Performance**

<table>
<thead>
<tr>
<th>SL501 (standard mark field)</th>
<th>SL501 (large mark field)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum number of actual characters per second</td>
<td>2000</td>
</tr>
<tr>
<td>Maximum line speed (substrate dependent one line of 10 characters)</td>
<td>500 m/min</td>
</tr>
<tr>
<td>Spot size</td>
<td>0.25 mm</td>
</tr>
<tr>
<td>Mark field</td>
<td>87 x 84 mm</td>
</tr>
<tr>
<td>Marking distance</td>
<td>117 mm</td>
</tr>
<tr>
<td>Character height</td>
<td>1 to 87 mm</td>
</tr>
<tr>
<td>Coding capability</td>
<td>Stationary or moving</td>
</tr>
<tr>
<td>Print orientation</td>
<td>0-360°</td>
</tr>
</tbody>
</table>

**General features**

- Set-up/user interface: Via integrated keypad, remote panel or PC
- PC user interface application: Windows XP
- Multiple operating languages: English, German, Spanish, French, Italian, Portuguese
- Comprehensive systems diagnostics including log function: ✓
- Memory storage: 256 Mb (Memory Card)
- Password protection: 3 protected levels
- Dual galvo character generation: ✓

**Printing and programming facilities**

- Character type: Vector fonts
- Available fonts: 9 System vector fonts, DTF, TTF, PFA, PFB and SVG fonts, Optional customized fonts
- Real time with offset: Yes (hh:mm:ss)
- Date stamp with offset: ✓
- Custom date and time formats: ✓
- Shift code with time increment: ✓
- Increment/decrement (batch count): ✓
- Unit measurement (imperial and metric): ✓
- Last code used: ✓
- Graphics edit and download capability: Using LinxDraw Software
- Job Control: ✓

**Physical characteristics**

- Stainless steel mobile unit with castors: ✓
- Weight – laser unit/interface unit: 134 kg
- Articulated arm material: Anodized aluminium
- Arm reach: 0.63m, 1.16m, 1.48m
- Environmental protection rating: IP65
- Cooling: Stand Alone Closed Loop (water to air) No factory air or water required
- Articulated arm support: Optional
- Range of articulated arms: Short (0.63m), Medium (1.16m) and Long Arms (1.48m)
- Beacon: Optional
- Electrical requirements: 100-240V volt single phase +/-10%, 50/60 Hz
- Maximum power consumption: 1.8 kVA

**Laser details**

- Laser type: Sealed CO₂ RF excited
- Laser – average power: 50 W
- Laser – peak power: 100 W
- Beam safety shutter: Automatic
- Gas consumption: Nil
- Tube warranty: 2 years

**Environmental details**

- Ambient operating temperature: +5°C to +40°C
- Automatic overheat detection: ✓
- Storage temperature: -10°C to +70°C
- Humidity range: 10-90% ch. (non condensing)

**Interfacing**

- Interface ports: 1 detector, 1 encoder – Quadrature or single channel
- Computer interface: RS232, Ethernet
- Good mark output: ✓
- Bad mark output: ✓
- Emergency stop: ✓
- Remote control: ✓
- Remote update: ✓
- Auto start up: ✓

**Regulatory approvals**

- CE mark: ✓
- CDRH Accession number: 0121991-003

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**Linxx SL501 Specifications**

**Dimensions (mm)**

- **Height**: 113 mm
- **Width**: 260 mm
- **Depth**: 350 mm
- **Overall Weight**: 134 kg

**Performance**

- **Maximum Number of Characters per Second**: SL501 (2000), SL501 Large Mark Field (2000)
- **Maximum Line Speed**: SL501 (500 m/min), SL501 Large Mark Field (740 m/min)
- **Spot Size**: SL501 (0.25 mm), SL501 Large Mark Field (0.4 mm)
- **Mark Field Size**: SL501 (87 x 84 mm), SL501 Large Mark Field (139 x 135 mm)
- **Marking Distance**: SL501 (117 mm), SL501 Large Mark Field (200 mm)
- **Character Height**: SL501 (1 to 87 mm), SL501 Large Mark Field (1 to 139 mm)
- **Coding Capability**: SL501 (Stationary or Moving), SL501 Large Mark Field (Stationary or Moving)
- **Print Orientation**: SL501 (0-360°), SL501 Large Mark Field (0-360°)

**General Features**

- **Set-up/user interface**: SL501 (Via integrated keypad, remote panel or PC)
- **PC User Interface Application**: Windows XP
- **Multiple Operating Languages**: English, German, Spanish, French, Italian, Portuguese
- **Comprehensive Systems Diagnostics including Log Function**: ✓
- **Memory Storage**: 256 Mb (Memory Card)
- **Password Protection**: 3 Protected Levels
- **Dual Galvo Character Generation**: ✓

**Printing and Programming Facilities**

- **Character Type**: Vector Fonts
- **Available Fonts**: 9 System Vector Fonts, DTF, TTF, PFA, PFB, Optional Customized Fonts
- **Real Time with Offset**: Yes (hh:mm:ss)
- **Date Stamp with Offset**: ✓
- **Custom Date and Time Formats**: ✓
- **Shift Code with Time Increment**: ✓
- **Increment/Decrement (Batch Count)**: ✓
- **Unit Measurement (Imperial and Metric)**: ✓
- **Last Code Used**: ✓
- **Graphics Edit and Download Capability**: Using LinxDraw Software
- **Job Control**: ✓

**Physical Characteristics**

- **Steel Mobile Unit with Castors**: ✓
- **Weight – Laser Unit/Interface Unit**: 134 kg
- **Articulated Arm Material**: Anodized Aluminium
- **Arm Reach**: 0.63 m, 1.16 m, 1.48 m
- **Environmental Protection Rating**: IP65
- **Cooling System**: Stand Alone Closed Loop (water to air) No Factory Air or Water Required
- **Articulated Arm Support**: Optional
- **Range of Articulated Arms**: Short (0.63 m), Medium (1.16 m), Long Arms (1.48 m)
- **Beacon**: Optional
- **Electrical Requirements**: 100-240V Volt Single Phase +/-10%, 50/60 Hz
- **Maximum Power Consumption**: 1.8 kVA

**Laser Details**

- **Laser Type**: Sealed CO₂ RF Excited
- **Laser – Average Power**: 50 W
- **Laser – Peak Power**: 100 W
- **Beam Safety Shutter**: Automatic
- **Gas Consumption**: Nil
- **Tube Warranty**: 2 Years

**Environmental Details**

- **Ambient Operating Temperature**: +5°C to +40°C
- **Automatic Overheat Detection**: ✓
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- **Computer Interface**: RS232, Ethernet
- **Good Mark Output**: ✓
- **Bad Mark Output**: ✓
- **Emergency Stop**: ✓
- **Remote Control**: ✓
- **Remote Update**: ✓
- **Auto Start Up**: ✓

**Regulatory Approvals**

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- **CDRH Accession Number**: 0121991-003

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