

Linx SLHP

120W Laser coding system



Looking to match high speed and high power with one laser coder?

The Linx SLHP CO₂ laser is one of the fastest and most powerful laser coders in its class, with an unparalleled range of code types, speeds and applications. It can be used in static or 'on the fly' applications on a wide range of materials from glass, PET and PVC to printed card.

High speed / high power

The 120W laser can easily cope with high speed beverage production lines as it can handle in excess of 70,000 bottles per hour. The Linx SLHP can also mark complex pharmaceutical codes, such as 2D Data Matrix codes and large areas of coded information, again at high speed.

The high power allows many different materials to be marked quickly and permanently, such as glass, rubber, PET and PVC.

Quality coding

The combination of high speed and high power delivers high quality coding. A shorter dwell time of the laser on the product reduces the chance of outside interference during coding, resulting in crisp accurate marks.

Logos that match the brand packaging can be permanently applied, as well as anti-counterfeiting measures, making the Linx SLHP suitable for premium products such as spirits, perfumes, cosmetics, as well as tobacco and automotive products.

Reliable and future-proof

The IP56 rating of both the laser marking head and power source makes the Linx SLHP an extremely reliable, robust laser coder that can be used even in harsh production environments. Efficient use of the laser source prolongs the life of the laser tube, and means that the Linx SLHP can deliver extra power or speed in future without additional investment.

An articulated laser arm enables integration into marking applications with minimal disruption to existing processes. There is no reliance on factory air or water to cool the laser tube and therefore no ongoing consumable costs.

The software is extremely easy to use, allowing a wide range of 2D, Data Matrix, and barcodes to be applied through the simple integrated keypad.



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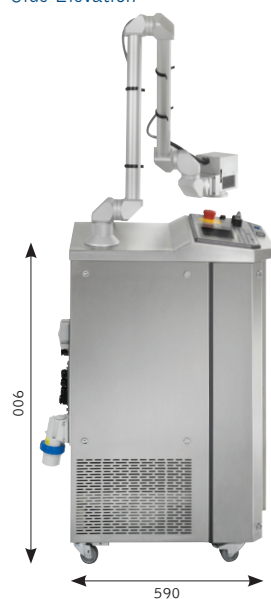
Dimensions (mm)

Front Elevation



Back Elevation

Side Elevation



Control Panel



Marking Head



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Marking capabilities

- Multi-line
- Barcodes
- Data Matrix
- 2D codes
- Vertical marking
- Large area marking
- Complex graphics/logos
- Stationary marking
- On-the-fly marking
- Long messages

Applications – permanent marks

- Bottling lines – high speed marking on glass or labels
- Pharmaceutical – long messages, complex and multi-line codes, GS1 (including 2D codes), anti-counterfeiting
- Cosmetics – anti-counterfeiting marks on glass, logos
- Automotive – security etching on windows
- Tobacco products – anti-counterfeiting
- FMCG – high volume, high throughput products – marking on card, film, labels
- Rubber products – wiper blades, door seals
- Plastics – PET, PVC, HDPE

Laser details

Laser	Single sealed CO ₂
Laser class	4 (according to EN 60825-1)
Average coding power	120 watts (max)
Maximum characters/sec	Up to 1200 (2mm high characters)
Beam delivery	Articulated arm, additional options available
Marking Head	Dual axis scanner
Scan area options	70mm x 70mm – 210mm x 210mm
Cooling	Integral (air to water)*
IP Rating – marking head and power source	IP56
Voltage	200-240v 50/60 Hz Single or Bi-phase
Software	Windows® operating system. Programmable date/time with offset, custom date, sequential, 3-level password protection, 2-channel quad encoder input, flash memory backup, RS-232 interface
Control	Integral QWERTY keypad and 1/4 VGA display, remote keypad optional
Product features	7-knuckle articulated arm for optimal integration, remote display option
Regulatory approvals	CE

* Optional Closed cycle/mains water for high duty cycle applications.

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