



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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Technical Specifications

MARKING CAPABILITIES

Multi-line

Large area marking

Barcodes

Complex graphics/logos

Data Matrix

Stationary marking

2D codes

On-the-fly marking

Vertical marking

Long messages

APPLICATIONS – PERMANENT MARKS

Bottling lines – high speed marking on glass or labels

Tobacco products – anti-counterfeiting

Pharmaceutical – long messages, complex and multi-line codes, GS1 (including 2D codes), anti-counterfeiting

FMCG – high volume, high throughput products – marking on card, film, labels

Cosmetics – anti-counterfeiting marks on glass, logos

Rubber products – wiper blades, door seals

Automotive – security etching on windows

Plastics – PET, PVC, HDPE

LASER DETAILS

Laser: Single sealed CO₂

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.

