Linx SL301

30W Scribing laser system



Do you need a laser coder that delivers improved productivity, low running costs and low maintenance, with no compromise on code quality? If so, why not switch to the Linx SL301?

Fastest laser coder on the market

- Digital galvos with the fastest response time and greatest control, give our lasers more time to code
- The widest range of marking heads and lens options ensures that our lasers can be fine tuned to individual applications, allowing better utilization of the laser energy.

Lowest running costs

- A tube life of 45,000 hours the longest tube life on the market, greatly reduces overall running costs
- Service intervals typically twice that of the industry standard, due to the laser's design which makes it very reliable in even the most demanding factory environments
- Does not require expensive factory air for cooling unlike some alternative laser coders*

Most versatile coder

 VisiCode[™] unique to Linx lasers, enables the laser to produce the clearest code possible on cold glass.

- Choose between 10.6µm and 9.3µm laser tubes for optimum coding on different substrates
- Linx's QuickSwitch™ (optional) allows fast and easy code changes using a barcode scanner or other external device
- Label Enable, used when coding on a label station, ensures the laser is triggered at just the right moment for coding the label
- 24/7 operation without the need for manual intervention
- Choose between IP54 and IP65 models
 *IP54 models. IP65 requires a Blower Unit (see overleaf).









Dimensions (mm)





Hand-held Control Unit (HCU)







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Performance

Line speed Standard model SL301 Spot size/Mark field/Marking distance Other lens and head options (range)

Mark fieldMarking distance No. lines of text Character height Print orientation

300m/min SHC60 Marking head, 95mm lens 0.31mm/66x66mm/96mm

0.11-1.65mm 29x36-295x407mm 67-385mm Only limited by character size and mark field size
Up to mark field size
0-360°

General features

Set-up/user interface PC user interface application Multiple operating languages

Via HCU or PC Windows XP/Vista English, German, Spanish, French, Italian, Portuguese, Dutch, Polish, Russian

Comprehensive systems diagnostics including log function Variable pulse frequency Memory storage (MMC) Password protection Dual galvo character generation Automatic safety shutter

50 to 25,000 Hz 256MB 3 protected levels •

Printing and programming facilities

Character type Available fonts

Real time with offset Date stamp with offset Julian date 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

Job control Job select Bar codes

Vector fonts 9 System vector fonts, OTF, TTF, PFA, PFB and SVG fonts, Optional customized fonts Yes (hh:mm:ss)

Using LinxDraw Software

256 jobs

BC25, BC25I, BC39, BC39E, BC93, EAN 8, EAN 13, BC128, EAN 128, Postnet, SCC14, UPC_A, UPC_E, RSS14TR, RSS14ST, RSS14ST0, RSSLIM, RSSEXP ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR

Data matrix 2D codes Circular text

Physical characteristics

Material IP Rating: Marking unit/supply unit Weight: Marking unit/supply unit Conduit length Head options

Head mounting kits Cooling IP54 Standard Cooling IP65 kit option Supply voltage/frequency Maximum power consumption Stainless steel covers, anodised aluminium chassis IP54 or IP65 21.4kg/12kg 3m (standard), 5m (optional)

SHC60 (standard spot), SHC100 (small spot), SHC120 (micro spot)
BEU (Beam Extension Unit), BTU (Beam Turning Unit), straight shooter Air cooled

Blower Unit (see below) Auto selection range 100 to 240V 0.7kVA

Laser details

Laser type Max. laser output (10.6µm) Life (average) Wave-length Laser tube warranty

Sealed RF excited CO₂ 30W 45,000hrs 10.6μm or 9.3μm 2 years

Environmental details

Ambient operating temperature Automatic overheat detection Storage temperature

5 to 40°C (70% duty cycle at maximum temperature) Yes $-10 \text{ to } 70^{\circ}\text{C}$

10-90% (relative, non condensing)

Humidity range Interfacing Interface ports

1 detector, 1 encoder, 1 RS232 (option) 1 External RJ45 Ethernet Port, 1 Internal RJ45 Ethernet Port (option) Ethernet

Computer interface Job select Good mark output Bad mark output Remote control Remote update Auto start up

0 o RS232

External Blower Unit (IP65 option)

Part number 230V Blower Part number 110V Blower Supply voltage/frequency Air flow capacity
Ambient Temperature Weight

SLAD350 - AV/D - 230V SLAD350 - AV/D - 110V Auto selection range 115 to 230V 400m³ / hr +5°C to +40°C 15kg

Regulatory approvals

CE mark

*1 line of 10 characters - Blue Card standard o option



THINKING ALONG YOUR LINES

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