

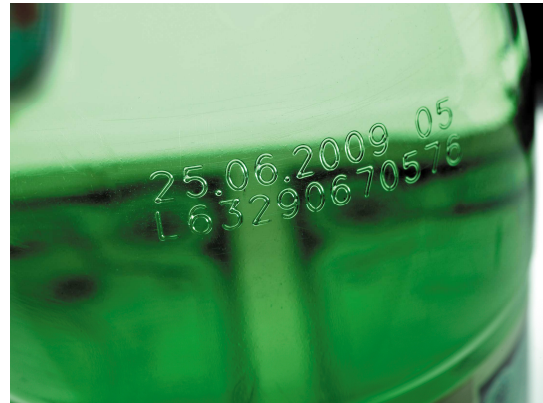
Linx Laser Coders

Linx SL301

30W SCRIBING LASER SYSTEM



The Linx SL301 is a mid-powered 30W laser coder specially designed for ease of installation, use and maintenance. It can code a wide range of products at speeds of up to 300m/min in a variety of manufacturing industries.



The Linx SL301 has been developed so that it is:

- Simple to install
- Simple to operate
- Simple to maintain
- Lower installation costs
- Less downtime and hassle
- Simple setups and everyday operations
- Reliable coding around the clock without the need for manual intervention
- High quality codes even at higher line speeds

Simple to maintain

- IP54/65 rating – Maximum reliability and uptime in challenging environments
- Long-life laser tube with large gas volume
- 24/7 operation without the need for manual intervention

Simple to install

- Broad range of head and lens configurations – for variable marking distances
- Short installation times
- Different head orientations – for simple integration into challenging production line set-ups



Simple to operate

- Operation via a remote hand held control
- Code setups and changes at the touch of a button
- Intuitive user interface - no classroom training needed
- LinxDraw PC software enables more complex code creation – incl. graphics & 2D codes



Dimensions (mm)

Marking Unit



Supply Unit



Hand-held Control Unit (HCU)



Line speed*
Standard Model SL301

300 m/min
SHC60 Marking Head, 64mm Lens

Spot size/Mark field/Mark distance
Other lens and head options (range)

0.37mm/44x44mm/67mm

- Spot Size
- Marking Field
- Mark distance

0.11–1.65 mm
29x36–295x407 mm
67–385mm

No. lines of text
Character height
Print rotation

Only limited by character size and marking field size
Up to marking field size
0-360°

General Features

Set-up/User interface
PC software interface
Password protection
Memory storage (MMC)
Fixed line speed coding
Variable line speed coding
High-Speed Column printing
System diagnostic and error log function

Hand-held Control Unit (HCU)
LinxDraw (Windows XP, 2000)
3 levels - Operator, Line Supervisor, Service Engineer
256Mb to 2Gb

Printing and programming facilities

Fonts
SVG fonts.
Last code used function
Graphics editing and import
Multiple font selection

9 optimised vector fonts, can import OTF, TTF, PFA, PFB and

Yes – character by character

Barcodes

BC 25, BC 25I, BC39, BC 39F, EAN 13, UPC, BC 128, EAN 128, UPC_A, RSS 14TR, RSS 14ST, RSSLIM, RSSEXP
ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN
English, German, Dutch, Spanish, Portuguese, French, Italian

Data matrix 2D codes
Languages

Physical characteristics

Material
Weight: Laser unit/supply unit
Head options
Head mounting kits

Stainless steel covers, anodised aluminium chassis
21.4kg/12kg
SHC60 (standard spot), SHC100 (small spot), SHC120 (micro spot)
BEU (Beam Extension Unit), BTU (Beam Turning Unit),
Straight Shooter

Cooling IP54 standard
Cooling IP65 kit option
Supply voltage/frequency
Maximum power consumption

Air fan cooled
External air source
Auto selection range 100 to 240v
0.7kVA

Laser details

Laser type
Max. laser output power at lens
Life (average)
Wave-length
Variable frequency range
Laser tube warranty

Sealed RF excited CO₂
30W
40,000hrs
10.6µm or 9.3µm
3 to 25Khz
2 years

Environmental details

Ambient operating temperature
Automatic overheat detection
Storage temperature
Humidity range

5 to 40°C (70% duty cycle at maximum temperature).
Yes
-10 to 70°C
10-90% (relative, non condensing)

Interfacing

Interface ports
Optional interfaces
PC interface

Sensor, Encoder, Ethernet, User I/O's
Serial Port
Via Ethernet port

Regulatory approval

CE Mark

*1 line of 10 characters – Blue Card
Key ● standard