



Linx CSL10 and Linx CSL30

Scribing laser systems

The Linx CSL10 and CSL30 laser coders offer you the most flexible solution for applying simple or complex codes, onto a range of line speeds and materials, and are designed for your individual requirements.

Linx has over 20 years of laser coding experience and operates an extensive laser portfolio across a truly global platform: thousands of Linx laser products are installed globally, and the Linx CSL10 and CSL30 laser coders are available in over 26 languages.

Reliability

- We produce highly reliable systems that require minimal intervention for continual effective coding
- The Linx laser tube life is one of the longest on the market at up to 45,000 hours* and this is achieved by the way we optimise the laser for your application
- Our expertise is backed by a team of support and service technicians, who will ensure that your Linx laser coder is running efficiently and effectively, 24/7
- We also provide you with complete solutions, including guarding, fume extraction, and line installation kits.

Powerful coding for now and tomorrow

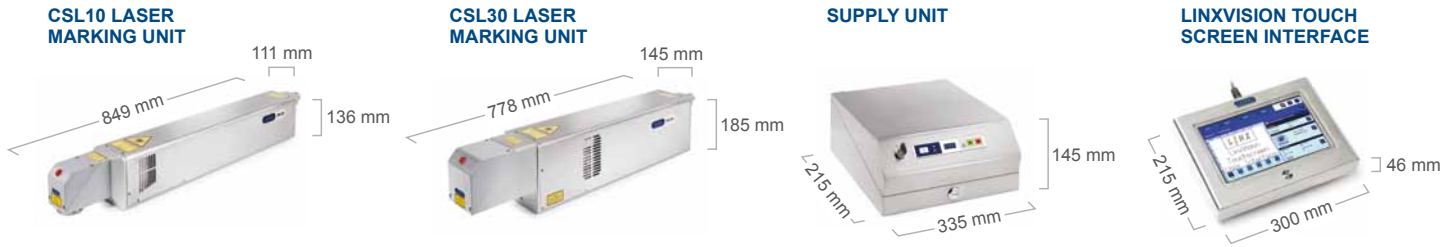
- The powerful processor allows printing of large amounts of complex, variable codes onto high speed lines
- Simpler applications are easily catered for, with the flexibility to increase print or line speed as your coding requirements change
- Code onto wide web applications e.g. multiple lines of products
- Simple code creation with the LinxVision® touch screen.

Linx lasers integrate into more applications

- The detachable marking head with quick disconnect cables makes integration into production environments easier – even in tight spaces – and reduces servicing time
- With the largest range of configurations of marking heads, lens and tube options, the Linx lasers can be fine-tuned to your specific application
- Multiple beam delivery options allow for coding in any orientation
- Choice of flexible conduit lengths for easy installation if the power source is not nearby.



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Technical Specifications

LASER DETAILS

Laser type: Sealed RF excited CO ₂
Max. laser output (10.6µm): 10w CSL10 & 30w CSL30
Laser wave length: 10.6µm (Standard) or 9.3µm (PET) (or 10.2µm (Card) only available CSL30)
Laser tube warranty: 2 years
Laser Tube Life (average)*: 45,000hrs

PERFORMANCE

Line speed**: Up to 900 m/min
Marking Speed**: Up to 2000 characters/sec
No. lines of text: Only limited by character size and marking field size
Character height: Up to marking field size
Print rotation: 0-360°

LASER HEAD & LENS OPTIONS

Laser head options: SHC60c, SHC100c, SHC120c (SHC150c only available on CSL30)
Lens (mm): 63.5, 64, 85, 95, 127, 100, 150, 190, 200, 254, 300, 351, 400, 500, 600
Spot size: From 0.091 mm to 1.65 mm
Marking field size: Up to 440 mm x 601 mm
Mark distance: From 67 mm to 576 mm

PHYSICAL CHARACTERISTICS

Material: Stainless steel covers, anodized aluminium chassis
Weight: CSL10 laser marking unit with SHC60c head 15 kg, CSL30 laser marking unit with SHC60c head 20 kg
Conduit length: 3 m (standard), 5 m (optional), 10 m (optional)
Head mounting options: Down (90°), or straight shooter (0°), variable length Beam Extension Units (BEU), 90° Beam Turning Unit (BTU)

Marking head rotation: 0-360° with BEU and BTU
Protection class: IP54 or IP65 (optional)
Cooling: IP54 Air cooled, IP65 Blower Unit
Supply voltage/frequency: Auto selection range 100 to 240V
Maximum power consumption: CSL10 – 0.4kW; CSL30 – 0.7kW

LINXVISION TOUCH SCREEN USER INTERFACE

Easy access operator toolbar: Date & time offset, variable text, rotate /move /scale code, adjust laser intensity
Multiple operating languages: Arabic, Brazilian Portuguese, Bulgarian, Chinese Simplified, Chinese Traditional, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovak, Spanish, Swedish, Thai, Turkish, Vietnamese
Password protection: Multiple protection levels and access rights (User defined)

CODING AND PROGRAMMING FACILITIES

Code options: Date, time, static text, variable text, serial numbers, shift codes, increment/decrement (batch count), 1D/2D barcodes, graphics and logos, Julian date, Custom date and time formats, 2D codes including DotCode
Character type: Vector fonts
Standard system vector fonts: OTF, TTF, PFA, PFB and SVG fonts
Optional customized fonts: Arabic, Bengali, Chinese, Japanese, Russian, Thai, Vietnamese
Bar codes: BC25, BC25I, BC39, BC39E, BC93, GSI-128, PZN, EAN 8, EAN 13, BC128, EAN 128, POSTNET, SCC14, UPC_A, UPC_E, RSS14TR, RSS14ST, RSS14STO, RSSLIM, RSSLIMGP, RSSEXP
Data matrix 2D codes: ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR, Azttec

GENERAL FEATURES

Variable pulse frequency: 50 to 25,000 Hz
Memory storage: (SD) 1GB
Set-up: Via LinxVision UI or LinxDraw (PC)
LinxDraw compatibility: Windows 7

ENVIRONMENTAL DETAILS

Ambient operating temperature: 5 to 40°C (70% duty cycle at maximum temperature)
Automatic overheat detection: Yes
Storage temperature: -10 to 70°C
Humidity range: Maximum of 90% (relative, non-condensing)

INTERFACING

Interface ports: 1 detector, 1 encoder, 1 Serial RS232, 1 External RJ45, Ethernet Port, 1 Internal RJ45 Ethernet Port (For LinxVision)
Computer interface: Ethernet
Input/Output options: Job select, Good / Bad Mark signal, Interlock, Start / Stop, Ready to Mark, System Ready, Trigger monitor, Trigger enable

SAFETY FEATURES

Interlocks (standard): European or American
Interlocks (optional): Internal safety module to meet EU Directive performance level D

REGULATORY APPROVALS

• CE • NRTL/FCC • EAC • RoHS
* Tube life may vary according to application
** Maximum line speed / marking speeds are application dependent

