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.

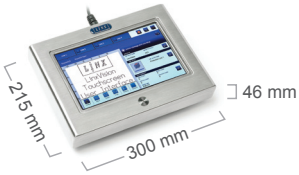
Linx CSL10 and Linx CSL30

CSL10 LASER MARKING UNIT

CSL30 LASER MARKING UNIT

SUPPLY UNIT

LINXVISION TOUCH SCREEN INTERFACE



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, Aztec

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

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