Linx CSL10 and CSL30

Laser coding systems

The Linx CSL10 and CSL30 laser coders offer you the most flexible solution for applying simple or complex codes, onto a range of materials at different line speeds, and can be easily tailored for your individual requirements.

Meet production targets, regulations and customer demands with fast and easy to use laser coders.

Easy to use and reliable

- Easy message creation and management of printing parameters with the large color LinxVision® Touch Screen, and LinxVision software
- Setup wizards simplify installation of the laser on your line
- Flip, mirror or curve text – easily code onto difficult shapes
- Reduce your coding errors and meet coding regulations with password controls that can restrict access to qualified personnel only, and include digital signatures for every user interaction
- The Linx laser tube life is one of the longest on the market at up to 45,000 hours*.

Meet your production targets

- The powerful, four-core processor allows printing of large amounts of complex variable data, including 2d barcodes, onto high speed lines
- Highly responsive system enables swift message creation and communication to the laser
- Flexible system – increase print or line speeds as your coding requirements change
- Code onto wide web applications e.g. multiple lines of products
- Crisp, clear coding on glass even at high line speeds, with VisiCode®, a unique set of parameters
- Reliable operation in washdown environments with full system IP65 rating.

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 wavelength 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 CSL30

CSL10 LASER MARKING UNIT

33.43" 4.37" 5.35"

CSL30 LASER MARKING UNIT

30.63" 5.70" 7.28"

SUPPLY UNIT

13.19" 5.71" 8.46"

LINXVISION TOUCH SCREEN

8.46" 1.81" 11.81"

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 2952.76 ft/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: SHC60d, SHC100d, 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 0.004" to 0.065"

Marking field size: up to 17.32" x 23.66"

Mark distance: from 2.64" to 22.68"

PHYSICAL CHARACTERISTICS

Material: stainless steel covers, anodized aluminium chassis

Weight: CSL10 laser marking unit with SHC60d head 33.07 lbs, CSL30 laser marking unit with SHC60c head 44.10 lbs

Conduit length: 9.84 ft (standard), 16.4 ft (optional), 32.8 ft (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® SOFTWARE

Easy access operator toolbar: date & time offset, variable text, rotate / flip / mirror / curve / scale message, 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

ENVIRONMENTAL DETAILS

Ambient operating temperature: 41 to 104°F (70% duty cycle at maximum temperature)

Automatic overheat detection: yes

Storage temperature: 14 to 158°F

Humidity range: maximum of 90% (relative, non-condensing)

INTERFACING

Interface ports: 1 detector, 1 encoder, 1 beacon, 1 fume extraction, 2 safety incl single/dual interlock, 1 Serial RS232, 1 Ethernet RJ45, 1 LinxVision Touch Screen

Input/Output options: Job select, Start / Stop, Trigger monitor, Trigger enable, Good / Bad marking signal, Marking, Laser ready, Ready to mark, Shutter closed

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 / line and marking speeds are application dependent

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INVISIBLE LASER RADIATION

AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

MAX. POWER: 45 W

WAVELENGTH: λ = 9 - 11 μm

LASER CLASS 4

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