VMS
RELIABLE AND HIGH-PERFORMANCE

LINX

LINX CSL10 & CSL30 LASER CODERS

Meet production targets, regulations and customer demands with fast and easy to use Linx CSL10 and CSL30 laser coders.

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.

Easy integration

- **Multiple configurations** to allow the laser head code in many orientations to meet specific line requirements
- **Meets your specific application** with the largest range of marking heads, lenses and wavelength options
- **Range of laser tubes** to mark a top quality code onto different materials

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
- **Exceptionally high marking speed** allows you to meet your coding requirements even on the fastest of production lines
- **Linx PrinterNet enabled** IoT solution gives you better control of your production line and faster remote fault resolution to improve uptime

Ease of use

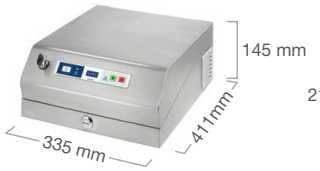
- **Easy message creation** and management of printing parameters with the large colour LinxVision® Touch Screen, and LinxVision software
- **Setup wizards** simplify installation of the laser on your line
- **Reduce your coding errors** and meet coding regulations with complete password controls that can restrict access to qualified personnel only, and include digital signatures for every user interaction

Linx CSL10 & CSL30

CSL10 LASER MARKING UNIT

CSL30 LASER MARKING UNIT

SUPPLY UNIT



LINXVISION TOUCH SCREEN

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: 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 0.091 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 SHC60d 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® 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: 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 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

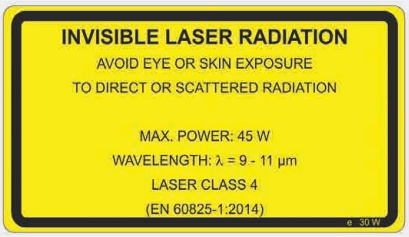
Interlocks (standard): European or American

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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