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
Technical Specifications

**LASER DETAILS**

- Laser type: sealed RF excited CO₂
- 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 & OPTICS**

- Marking head rotation: 0-360° with BEU and BTU
- Protection class: IP54 or IP65 (optional)
- Cooling: IP55 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
- Data matrix 2D codes: ECC000, ECC050, ECC200, ECC200, ECC100, ECC140, ECC300, ECC350

**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 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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