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. Available in over 26 languages, the Linx CSL10 and CSL30 are designed for your individual requirements.

Diagraph offers a line up of Linx CO₂ and Fiber laser solutions. Linx laser coders are known for industry-leading tube life and service intervals.

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 optimize 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

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 2,952 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: 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 aluminum chassis
- Weight: CSL10 laser marking unit with SHC60c head 33 lb (15 kg), CSL30 laser marking unit with SHC60c head 44 lb (20 kg)
- Conduit length: 9.8 ft (3 m - standard), 16.4 ft (5 m - optional), 32.8 ft (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


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: 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 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