Linx CSL10 and Linx CSL30



Scribing laser systems

Linx lasers 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.

Reliability

Reliability is core to our lasers: we produce highly reliable systems that require minimal intervention for continual effective coding. The Linx laser tube life is 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.

Powerful coding for now and tomorrow

- The powerful processor allows printing of large amounts of complex, variable codes onto high speed lines, such as tobacco, pharma or beverage
- Fast line speeds of up to 600m/min**, mark up to 2000 characters/sec
- Code onto wide web applications e.g. multiple lines of products , using only one laser with the largest marking area in its class (CSL30)
- Simple code creation with the Linx Vision® touch screen
- Unique setup wizard for quick shift changes.

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 a 3m, 5m or 10m flexible conduit makes installation easier if the power source is not nearby.

Linx expertise

Linx has over 20 years of laser coding experience and operates an extensive laser portfolio across a truly global platform: 1000's of different Linx laser products are installed globally, and the Linx CSL10 and CSL30 laser coders are available in over 26 languages.

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 can provide you with complete solutions, including guarding, fume extraction, and line installation kits.







LINX

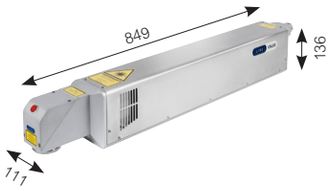
THINKING ALONG YOUR LINES

ELIXIR
INDUSTRIAL EQUIPMENT INCORPORATED

Linx CSL10 and Linx CSL30

Dimensions (mm)

CSL10 Laser Marking Unit



CSL30 Laser Marking Unit



Supply Unit



LinxVision touch screen interface



IP65 rated 10.1"
LCD colour touch screen PC

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**	CSL30 up to 600 m/min (code and substrate dependent)
Marking Speed**	CSL30 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	From 29x36 mm to 440x601 mm
Mark distance	From 67 mm to 576 mm
Physical characteristics	
Material	Stainless steel covers, anodized aluminium chassis
Approximate Weight	CSL10 marking unit/supply unit 15.2 kg / 12 kg, CSL30 marking unit/supply unit 21.3 kg / 12 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, 90° Beam Turning Unit
Marking head rotation	0-360° with BEU and BTU
Protection class	IP54 or IP65 (optional)
Cooling	IP54 Air cooled
Cooling	IP65 Blower Unit
Supply voltage/frequency	Auto selection range 100 to 240V
Maximum power consumption	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), ID Matrix, barcodes, graphics and logos, Julian date, Custom date and time formats
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, PZN, EAN 8, EAN 13, BC128, EAN 128, SCC14, UPC_A, UPC_E, RSS14TR, RSS14ST, RSS14STO, RSSLIM, 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 XP/Vista/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	10-90% (relative, non condensing)
Interfacing	
Interface ports	1 detector, 1 encoder, 1 Serial RS232, 1 External RJ45 Ethernet Port, 1 Internal RJ45 Ethernet Port (For Linx Vision)
Computer interface	Ethernet
Input / Output options	Job select, Good / Bad Mark signal, Interlock, Start / Stop, Ready to Mark, System Ready, Trigger monitor, Trigger enable
Environmental details	
Interlocks (standard)	European or American
Interlocks (optional)	Internal safety module to meet EU Directive performance level D
External blower unit	IP65 version
Supply voltage/frequency Auto selection range	115 to 230V
Air flow capacity	400m3 / hr
Ambient Temperature	+5°C to +40°C
Weight	15kg
Regulatory approvals	
• CE • NRTL/FCC • EAC • RoHS	

* Tube life may vary according to application **Maximum line speed / marking speeds are application dependent

For more information, please contact:

Elixir Industrial Equipment, Inc.

No. 14 Commonwealth Avenue, Brgy. Old Balara Quezon City, Philippines 1119

Sales: (02) 8441-8116 | Marketing: (02) 7719-2134

marketing@elixirphil.com

www.elixirphil.com

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