Linx SL102

10W Scribing laser system

Wasting time and money on your current coding system?

Switch to the Linx SL102 – the most versatile and intuitive laser coder in its class. If you have a fast line and a simple code to apply, or a slow line with a more complex code, then the Linx SL102 offers you the most flexible solution for quality coding onto a wide range of materials.

Versatile

- This 10W laser codes high quality text, graphics and Data Matrix codes onto a wide range of materials
- With the widest range of marking heads, lens and tube options, Linx SL lasers can be fine-tuned to your specific application
- Modular design and multiple beam delivery options allow easy integration onto your production line

- Control up to 4 lasers from a single point with Linx QuadMark®
- Linx SL lasers have the quickest galvo response time, offering more control and more time to code.

Reliable and economical

- Reduce your running costs with the longest tube life on the market (45,000 hours)*
- Service intervals are typically twice that of the industry standard, keeping your line running for longer without interruption
- Unlike many alternative laser coders, the Linx SL range does not require expensive factory air for cooling
- IP54 rating comes as standard, offering maximum reliability and uptime on demanding production lines
- No costly consumables associated with other coding methods.

Intuitive operation

- Linx SL laser coders are easy to use, with our new LinxVision® colour touch screen
- Large WYSIWYG display with intuitive message creation; clearly shows the selected message to print, reducing user errors
- The quick message preview function makes browsing the message database easy and ensures the right message is selected
- At-a-glance status reporting enables the user to quickly understand laser status and an easy access Operator Toolbar means activated messages can be quickly modified
- The unique set-up wizard removes the hassle of integration and guides users step-by-step, meaning less downtime.
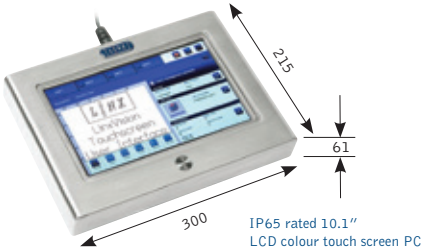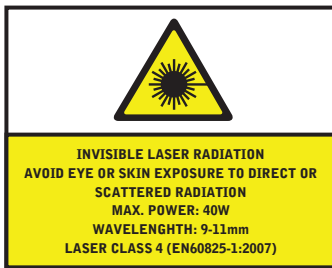

LINX

THINKING ALONG YOUR LINES

Linx SL102

Dimensions (mm)

Laser Marking Unit

849
136
111

Supply Unit

137
389
324.5

LinxVision colour touch screen

215
61
300

IP65 rated 10.1"
LCD colour touch screen PC

LinxVision interface

LINX
SL102
10W Laser

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION
MAX. POWER: 40W
WAVELENGHTH: 9-11mm
LASER CLASS 4 (EN60825-1:2007)

www.linxglobal.com

Laser details

Laser type	Sealed RF excited CO_2
Nominal laser output (10.6µm)	10W
Laser wave length	10.6µm (Standard) or 9.3µm (PET)
Laser tube warranty	2 years
Laser Tube Life (average)	45,000hrs*

Performance

Line speed*	Over 100 m/min (code and substrate dependent)
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	SHC60	SHC100	SHC120
Spot type	Standard	Small	Micro
Lens (mm)	64, 95, 127, 190, 254	63.5, 85, 100, 150, 200, 300, 351, 400	
• Spot size	From 0.09 mm to 1.12 mm		
• Marking field	From 29x36 mm to 295x407 mm		
• Mark distance	From 67 mm to 385 mm		
Standard model	SHC60 Marking Head, 64 mm Lens		
Spot size/mark field/mark distance (standard model)	0.27 mm / 44x44 mm / 67 mm		

Physical characteristics

Material	Stainless steel covers, anodized aluminium chassis
Weight: Marking unit/supply unit	14.4 kg / 12 kg
Conduit length	3 m (standard), 5 m (optional)
Head mounting options	Down (90°), or straight (0°) shooter, 360° Beam Extension Unit (BEU), Variable length Beam Turning Unit (BTU)
Marking head rotation	0-360° with BEU and BTU
Protection class	IP54
Cooling IP54 Standard	Air cooled
Supply voltage/frequency	Auto selection range 100 to 240V
Maximum power consumption	0.4kVA

LinxVision touch screen user interface

WYSIWYG Display and Message select preview	●
Easy access operator toolbar	Date & time offset, variable text, rotate /move /scale code, adjust laser intensity
Multiple laser control	Up to 4 lasers with Linx QuadMark
Multiple operating languages	Arabic, Brazilian Portuguese, Chinese Simplified, Chinese Traditional, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, 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, EAN 8, EAN 13, BC128, EAN 128, Postnet, SCC14, UPC_A, UPC_E, RSS14TR, RSS14ST, RSS14STO, RSSLIM, RSSEXP
Data matrix 2D codes	ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR

General features

Variable pulse frequency	50 to 20,000 Hz
Memory storage (MMC)	256MB
Set-up	Via LinxVision UI or LinxDraw (PC)
LinxDraw compatibility	Windows XP/Vista/Windows 7
Comprehensive systems diagnostics including log function	●

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
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)	Safety module to meet EU Directive performance level D

Regulatory approvals

	CE, NRTL/FCC, EAC, RoHS

*tube life may vary according to application
Key   ● standard

Diagraph
An *ITW* Company

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