Linx SL302

30W Scribing laser system

Never compromise on code quality. Now and tomorrow.

Switch to the high-speed, low maintenance Linx SL302 laser coder. For complex codes on fast lines, and even on hard to mark materials, the Linx SL302 produces quality coding and is versatile enough to adapt to your coding needs in the future.

Versatile and fast

- This powerful 30W laser codes high quality text, graphics and Data Matrix codes onto a wide range of materials
- Linx SL lasers provide the quickest galvo response time, offering more control and more time to code
- Modular design and multiple beam delivery options mean the laser can adapt to even the most demanding production lines
- Control up to 4 lasers from a single point with Linx QuadMark®.

Reliable and economical

- Reduce your running costs with the longest tube life on the market (45,000 hours)*
- The widest range of marking heads, lens and tube options offers better laser utilization and longer tube life
- 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
- No costly consumables associated with other coding methods
- IP54 comes as standard, with an IP65 option for maximum reliability and uptime in challenging environments.

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

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Linx SL302

Dimensions (mm)

Laser Marking Unit

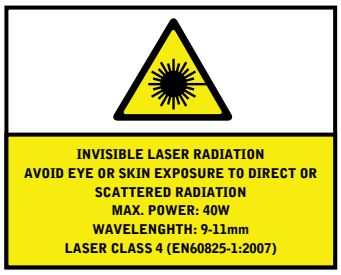
Supply Unit

Blower Unit

LinxVision colour touch screen

IP65 rated 10.1"
LCD colour touch screen PC

LinxVision interface



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Laser details

Laser type	Sealed RF excited CO_2
Nominal laser output (10.6µm)	30W
Laser wave length	10.6µm (Standard) or 9.3µm (PET) or 10.2µm
Laser tube warranty	2 years
Laser Tube Life (average)	45,000hrs*

Performance

Line speed*	Over 250 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 0.11 mm to 1.65 mm		
• Marking field	From 29x36 mm to 295x407 mm		
• Mark distance	From 67 mm to 385 mm		
Standard model	SHC60 Marking Head, 95mm Lens		
Spot size / mark field / mark distance (standard model)	0.31 mm / 66x66 mm / 96 mm		

Physical characteristics

Material	Stainless steel covers, anodized aluminium chassis
Weight: Marking unit/supply unit	21.4 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 or IP65 (optional)
Cooling IP54	Air cooled
Cooling IP65	Blower Unit (see below)
Supply voltage/frequency	Auto selection range 100 to 240V
Maximum power consumption	0.75kVA

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 25,000 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

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

Key • standard

MP42152

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