Linx SL501

High power 50w laser coding system

Do you need quality, reliable product coding on a high speed production line?

Then consider the Linx SL501 which delivers both print speed and high resolution quality codes without compromise. Using steered beam laser technology, a high power 50w laser tube and a stand-alone mobile IP65 stainless steel enclosure, the Linx SL501 is the class-leading laser coder for even the most challenging production environments.

High performance in harsh production environments

The Linx SL501 is ideal for printing high-quality text, graphics and Data Matrix codes on a wide range of materials, for both primary coding or secondary packaging applications.

Capable of speeds of over 700m/min and protected against the toughest production environments, the Linx SL501 is ideal for high-speed coding applications in the beverage, brewing and food industries. It is equally at home on slower production lines where more complex coding or marking is required on components made of more difficult to mark materials such as glass and rubber.

The perfect fit for your production line

The stand-alone mobile cabinet and articulated arm ensure easy installation into tight spaces. The laser can easily be moved between lines, with no reliance on factory air or water to cool the laser tube.

Full control at your fingertips

The Linx SL501 is programmed via a simple integrated keypad or remote panel interface which provides access to all routine operator functions.

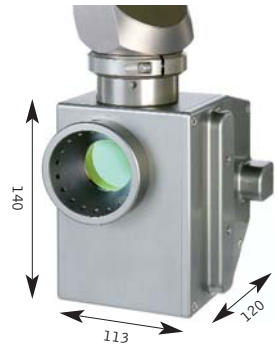
In addition, the powerful LinxDraw PC software allows remote editing of complex codes and graphics as well as Ethernet control of multiple machines from a single workstation.

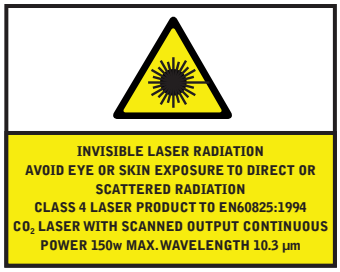
LINX

THINKING ALONG YOUR LINES

Linx SL501

Dimensions (mm)





Performance	SL501 (standard mark field)	SL501 (large mark field)
Maximum number of actual characters per second	2000	2000
Maximum line speed (substrate dependent one line of 10 characters)	500 m/min	740 m/min
Spot size	0.25 mm	0.4 mm
Mark field	87 x 84 mm	139 x 135 mm
Marking distance	117 mm	200 mm
Character height	1 to 87 mm	1 to 139 mm
Coding capability	Stationary or moving	Stationary or moving
Print orientation	0-360°	0-360°
General features		
Set-up/user interface	Via integrated keypad, remote panel or PC	
PC user interface application	Windows XP	
Multiple operating languages	English, German, Spanish, French, Italian, Portuguese	
Comprehensive systems diagnostics including log function	✓	
Memory storage	256Mb (Memory Card)	
Password protection	3 protected levels	
Dual galvo character generation	✓	
Automatic safety shutter	✓	
Printing and programming facilities		
Character type	Vector fonts	
Available fonts	9 System vector fonts, OTF, TTF, PFA, PFB and SVG fonts, Optional customized fonts	
Real time with offset	Yes (hh:mm:ss)	
Date stamp with offset	✓	
Julian date	✓	
Custom date and time formats	✓	
Shift code with time increment	✓	
Increment/decrement (batch count)	✓	
Unit measurement (imperial and metric)	✓	
Last code used	✓	
Graphics edit and download capability	Using LinxDraw Software	
Job Control	✓	
Bar codes	BC 25, BC 25I, BC 39, BC 39F, EAN 13, UPC, BC 128, EAN 128, UPC_A, RSS 14TR, RSS 14ST, RSSLIM, RSSEXP, ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN	
Circular text	✓	
Physical characteristics		
Stainless steel mobile unit with castors	✓	
Weight – laser unit/interface unit	134 kg	
Articulated arm material	Anodized aluminium	
Arm reach	0.63m, 1.16m, 1.48m	
Environmental protection rating	IP65	
Cooling	Stand Alone Closed Loop (water to air) *No factory air or water required*	
Articulated arm support	Optional	
Range of articulated arms	Short (0.63m), Medium (1.16m) and Long Arms (1.48m)	
Beacon	Optional	
Electrical requirements	100-240V volt single phase +/-10%, 50/60 Hz	
Maximum power consumption	1.8 kVA	
Laser details		
Laser type	Sealed CO_2 RF excited	
Laser – average power	50 W	
Laser – peak power	100 W	
Beam safety shutter	Automatic	
Gas consumption	Nil	
Tube warranty	2 years	
Environmental details		
Ambient operating temperature	+5°C to +40°C	
Automatic overheat detection	✓	
Storage temperature	-10°C to +70°C	
Humidity range	10-90% r.h. (non condensing)	
Interfacing		
Interface ports	1 detector, 1 encoder – Quadrature or single channel RS232 1 External RJ45 Ethernet Port, 1 Internal RJ45 Ethernet Port	
Computer interface	RS232, Ethernet	
Good mark output	✓	
Bad mark output	✓	
Emergency stop	✓	
Remote control	✓	
Remote update	✓	
Auto start up	✓	
Regulatory approvals		
CE mark	✓	
CDRH	Accession number: 0121991-003	

www.linxglobal.com

LINX

THINKING ALONG YOUR LINES

For more information, contact Linx Printing Technologies Ltd, Burrel Road, St Ives, Cambridgeshire, PE27 3LA, UK.
Telephone +44 (0)1480 302100 Fax +44 (0)1480 302116 email sales@linx.co.uk www.linxglobal.com

MP41110/05