Linx SL501

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 700 m/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 be easily moved between lines, with no reliance on factory air or water to cool the laser tube.
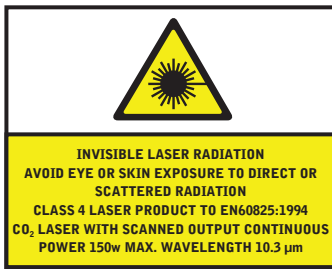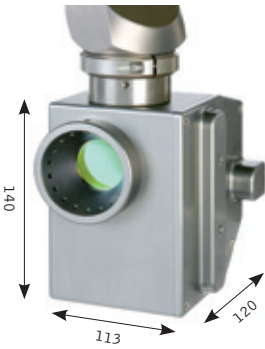
Full control at your fingertips

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)

1200
510
350

140
113
120

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT TO EN60825:1994
CO_2 LASER WITH SCANNED OUTPUT CONTINUOUS
POWER 150w MAX. WAVELENGTH 10.3 µm

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Performance	SL501 (lens 125 mm)	SL501 (lens 200 mm)
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
Maximum message length	2000 mm	2000 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/Vista
Multiple operating languages	English, German, Spanish, French, Italian, Portuguese, Dutch, Polish, Russian
Comprehensive systems diagnostics including log function	
Variable pulse frequency	1,000 to 38,000 Hz
Memory storage (MMC)	256MB
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	✓
Job select	256 jobs
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
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	0.63 m (4 turns), 1.16m (7 turns), 1.48m (7 turns)
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 – maximum power	50 W
Wave-length	10.3µm
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, 1 RS232 1 External RJ45 Ethernet Port, 1 Internal RJ45 Ethernet Port
Computer interface	Ethernet
Job select	✓
Good mark output	✓
Bad mark output	✓
Emergency stop	✓
Remote control	✓
Remote update	RS232
Auto start up	✓

Regulatory approvals
CE mark	✓
CDRH	Accession number: 0121991-003

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