

# LINX 500SL

# high power scribing laser system



Do you need quality product coding on a high speed production line? Then consider the Linx 500SL which delivers both print speed and quality without compromise. Using steered beam laser technology, a high power single laser tube and an IP65 stainless steel enclosure, the Linx 500SL is a class-leading laser coder for even the most challenging production environments.

## High performance in harsh production environments

The Linx 500SL is ideal for printing high-quality text, graphics and bar codes on a wide range of materials used for packaging and other purposes. Capable of speeds of over 700m/min and protected against hostile production environments, the Linx 500SL is ideal for high-speed coding applications in the beverage, brewing and food industries. It is equally at home on slower production lines coding products and components made of more difficult to mark materials such as glass and rubber.

## The perfect fit for your production line

The mobile cabinet and articulated arm ensure easy installation in tight spaces, while the compact laser head allows coding in any orientation.

## Full control at your fingertips

The Linx 500SL is programmed via a simple integral user interface which provides access to all routine set-up functions. In addition, the Linx GPI software allows creation and editing of complex messages and graphics as well as control of more sophisticated printing functions from a PC, laptop or even the user's own workstation.



# Technická specifikace



## Interfacing

Interface ports 2 detectors, 1 encoder, RS232, user I/O, remote interface unit (optional)  
 Optional interfaces Quadrature encoder input, dual interlock  
 Computer interface RS232, IrDA, Ethernet ready  
 Good mark output  
 Bad mark output  
 Emergency stop

## Performance

	500SL (standard mark field)	500SL (large mark field)
Maximum number of actual characters per second	2000	2000
Maximum line speed (substrate dependent, 500m/min one line of 10 characters)		740m/min
Spot size	0.25mm	0.4mm
Mark field	75 x 75mm	120 x 120mm
Marking distance	115mm	200mm
Maximum number of lines of text	99	99
Character height	1 to 75mm	1 to 120mm
Coding capability	Stationary or moving	Stationary or moving
Print orientation	0-360°	0-360°
Bidirectional printing		

## General features

Set-up/user interface Via integral interface unit or PC  
 PC user interface application Windows XP, 2000, NT4  
 Multiple operating languages  
 Comprehensive systems diagnostics including log function  
 Memory storage (6.5 MB) Typically 500 codes  
 Password protection Multi-level, user configurable  
 Dual galvo character generation  
 Automatic safety shutter

## Printing and programming facilities

Character type Vector fonts  
 Available fonts 24 standard fonts via interface unit or PC  
 Real time with offset Yes (hh:mm:ss)  
 Date stamp with offset  
 Julian date  
 Custom date and time formats  
 Shift code with time increment  
 Shot count (Current code)  
 Increment/decrement (batch count)  
 Unit measurement (imperial and metric)  
 Last code used  
 Graphics edit and download capability Via PC  
 Macro language editor Via PC  
 Bar codes EAN 8, EAN 13, UPC 7, UPC 12, ISBN, Code 39, Code 128, ITF, CODABAR, MSI  
 Circular text

## Physical characteristics

Stainless steel mobile unit with castors  
 Weight – laser unit/interface unit 134 kg  
 Articulated arm material Anodized aluminium  
 Arm reach 1.16m  
 Environmental protection rating IP65  
 Cooling Integral closed loop (water to air)  
 Articulated arm support (guard mounted) Optional  
 Articulated arm support (pedestal mounted) Optional  
 Beacon Optional  
 Electrical requirements 100-240 volt single phase +/-10%, 50/60 Hz  
 Maximum power consumption 1.8 kVA  
 Dual detector lockout

## Laser details

Laser type Sealed CO<sub>2</sub> 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 to +40°C (at maximum duty-cycle)
Automatic overheat detection	
Storage temperature	-10°C to +70°C
Humidity range	10-90% r.h. (non condensing)

## Regulatory approvals

CE mark  
 CDRH Accession number: 0121991-01  
 Key standard

