

DIODE LASER MARKING SYSTEM **Fast Line**





Fast Line laser markers use high power (up to 30 watts) laser diodes with fiber output, and can mark a large range of products with the speed up to 100 m/min.

CHARACTERISTIC FEATURES:

- easy to install;
- easy to operate;
- easy to maintain;
- guaranteed 24/7 quality of marking;
- variety of laser coding head options and application-specific system modifications;
- possibility of mounting of coding heads in hard-to-reach places of production lines;
- hand-held remote control;
- software efficiently handling complex tasks including graphics;
- protection rating IP54 (reliable in most demanding environments);
- highly reliable laser diode.



VA INSTRUMENTS

Marshala Govorova street, 52, Saint-Petersburg
198095, Russia, tel.: +7(812) 252 10 08,
252 67 59, 702 72 31, fax: +7(812) 252 10 03,
e-mail: vai@sinstr.ru, <http://www.linx.sinstr.ru>

SPECIFICATIONS

Line speed*	Up to 100 m/min
Standard coding head FL 100:	
Marking field / marking distance	ø 80 mm / 110 mm
Line weight	0,15 - 0,3 mm
Other coding head options:	
Marking field / marking distance	Up to 175x175 mm / up to 277 mm
Line weight	0,15 - 1,0 mm
Max. number of text lines	Depends on font size
Character height	1 - 60 mm (up to mark field size)
Print orientation	Arbitrary

SUPPLY UNIT DETAILS

User interface	LCD touch-screen
Software	Software package compatible with Windows 7
Password protection	3 protected levels: operator, line supervisor, maintenance person
Start - stop mode	+
Constant marking speed	+
Variable marking speed	+
High-speed printing	+
Diagnostics and troubleshooting systems	+

PRINTING AND PROGRAMMING FACILITIES

Available fonts	9 optimized fonts, other fonts can be added
Real time with offset	Hh:mm, hh:mm:ss
Date stamp with offset	+
Custom date and time formats	+
Shift code	+
Count	+
Increment/decrement of batch number	+
Graphics edit, bar codes	+
Creation graphic images, bar codes, 2D codes	+

DESIGN FEATURES

Materials	Durable plastic, stainless steel, aluminium with protection coating
Weight: Marking head Electronic unit	6 kg 17 kg
Conduct length	3m
Cooling	Air cooled
Supply voltage	240V±10%
Power consumption	0.5 kW

LASER DETAILS

Laser type	Laser diode
Max. laser output	30W, 75W
Life time	50 000 hrs
Wave length	About 1 µm

ENVIRONMENT DETAILS

Operating temperature	5 to 40°C (70% duty cycle at maximum temperature)
Storage temperature (power is off)	-10 to 70°C
Allowable humidity	10–90% (non condensing)

INTERFACING

Interface ports	System sensor, speed sensor, USB
Computer interface	Ethernet (option)

GABARITES (L, W, H)

Electronic unit	563x210x479,5 mm
Touch-screen	276,5x148,9x214,5 mm
Marking head	285,4x163x324(262) mm

* 1 line made up of 10 characters – painted board