

Diode Pumped Laser Marking Machine



Laser marking is used to mark various materials quickly, reliable and with high precision. It is a non-contact technique and does not damage the product. It eliminates the use of die cutters, blades, scribes or inks. The laser is controlled using a PC. Images, graphics and text can be created to suit your needs.

Software Features :

- Use polylines, squares, rectangles, circles, ellipses and text.
- Input from Corel Draw, Auto CAD or other graphics software (HPGL, semi-Postscript, DXF).
- Bar code Marking.
- Serialization.
- Different Fonts.
- Define up to 8 layers for marking.

Laser System	Diode Pumped
Laser Source	Diode Pumped Laser
Wavelength	1064 Nm \pm 10 nm
Beam Mode	TEM00
Output Power	18 to 20 Watts, Q Switched
Beam Delivery	Galvanometer Driven Mirrors, Flat Field Type
Utilities	Electrical Supply 230 V AC, 50 Hz, Single Phase

Marking Specifications

Marking Field Size (mm)	62 x 62	100 x 100	150 x 150
Entrance Beam Bundle Diameter (mm)	12	12	12
Working Distance (mm)	105.8	184.3	257
Resolution (m)	15	25	30
Writing Speed (characters / sec)	300	300	300

Control System :

Pentium 4 CPU, 512 MB RAM, 40/80 GB HDD, CD-ROM, 14" colour monitor.

(Distance between edge of head & working field, character size 12 mm, lens & material dependent)

Warranty & Maintenance :-

One year warranty on the system from material & manufacturing defects. This warranty excludes all optics and consumables like filters and de-ionized filters.

Specifications subject to change without notice.

We can also provide 300 x 300 mm Marking field size on request.