



LASER MARKER / SPOT WELDING / SEAM WELDING



50 Watt Nd:YAG Laser with X-Y-Z programmable axis



Pulse Nd:Yag Laser for Welding

The system is of sturdy design. Ergonomically design with aesthetic beauty, performance and reliability. It runs on Windows XP. The machine is extremely flexible to mark parts in batches and with different heights. The X-Y table and the Z axis focus height adjustment is programmable with repeatability of +/- 0.025 mm.

Machine Specifications	
Machine External Dim.	Lg 1200 x W1000 x H 1400 (excluding monitor and tower light)
Table size	500 x 500 with 400 x 400 programable envelope
Position Motor Drives	Close Loop with feed back system . Total : Y axis-2x; X axis-1x; Z axis-1
Positional Accuracy	+/- 0.025mm
Positional Resolution	0.002mm
Positional Feeds	up to 100mm/sec
Controls	Windows XP with PTS operating software.
Programing Capabilities	Teach in- using keypad
Type of Laser	Standard Nd YAG Laser -USA made . (power to be determined on Customer's requirement)
	Wavelength: 1064 nm
	Build in water chiller.
	Build in exhaust and filter system.
	Marking field 100mm x 100mm standard.
	Marking software.
Camera./Laser Pointer	High resolution pixel camera with laser pointer to indicate mark position/area.
Safety	Door interlocks during laser marking process.
Options	Fudicial board referencing
Facilities/Power consumption	220VAC 1 phase/2.2 K/W