

Green Diode Laser Machine



Nd:YAG Laser System	Super Green Diode	Super Diode Brutter
Wavelength	532 nm	532 nm
Beam Mode	TEM00	TEM00
Beam Polarisation	Vertical	Vertical
Beam Diameter at 1/e ²	0.6 mm	0.6 mm
Beam Divergence at 1/e ² (max)	2.0 mr	2.0 mr
Beam Stability at 10-500 khz	5% rms	5% rms
Output Power Max @ 10 kHz	4 - 6 Watts	6 - 8 Watts
Q-Switch Performance		
Peak Power (min)	50 kw	50 kw
Energy / Pulse (min)	4 mJ	4 mJ
Pulse Width(max)	80 nsec	80 nsec
Peak of Peak instability(max)	< 5% pk-pk	< 5% pk-pk
Motion Controller :-		
X - Y Axis		
Travel Range	150 x 150 mm	150 x 150 mm
Control System	Servo motor & Rotary Encoder	Servo motor & Rotary Encoder
Resolution	0.5 micron	0.5 micron
Accuracy	2.0 micron	2.0 micron
Z - Axis		
Travel Range	60 mm	60 mm
Control System	Servo Motor & Rotary Encoder	Servo Motor & Rotary Encoder
Cooling System	Single Water (De-ionized)	Single Water (De-ionized)
Electrical Supply	230 V AC, 50Hz, Single Phases, 17 to 20 amps	380 VAC, 50/60 Hz, 3 Phases, 16 amps/phase
Mechanical Structure	(in inches) 40 (L) x 63 (W) x 65 (H)	(in inches) 40 (L) x 63 (W) x 65 (H)

Warranty :-

One year warranty on the system from material & manufacturing defects. This warranty excludes all optics and consumables like lamps, filters and deionizers.

Specifications subject to change without notice.