

Diode Pumped Laser Machine



Nd:YAG Laser System	Super Diode	Super Diode Brutter
Wavelength	1064 nm	1064 nm
Beam Mode	TEM00	TEM00
Beam Polarisation	Vertical	Vertical
Beam Diameter at l/e2	0.9 mm	0.9 mm
Beam Divergence at l/e 2 (max)	2.0 mr	2.0 mr
Beam Stability at 10-500 khz	5% rms	5% rms
Output Power Max @ 10 kHz	18-20 Watts	18-20 Watts
Working Power	14-16 Watts	14-16 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	Motor Servo & Rotary Encoder	Motor Servo & Rotary Encoder
Rotary Axis Bruttering	-----	Rotary Axis With Servo Motor & Rotary Encoder
Cooling System	Single Water (De-ionized)	Single Water (De-ionized)
Electrical Supply	230 V AC, 50/60 Hz, Single Phases, 17 to 20 amps/phase	230 V AC, 50/60 Hz, Single Phases, 17 to 20 amps/phase
Mechanical Structure	(in inches) 65(L) x 28(W) x 60(H)	(in inches) 65(L) x 28(W) x 60(H)

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.