LASER SOS (INDIA) PVT LTD

Nd - YAG Lamp Pumped Machine

Nd:YAG Laser System	Servo	Super Servo	Magnetic Super Servo	Super Servo Brutter
Wavelength	1064 nm	1064 nm	1064 nm	1064 nm
Beam Mode	TEM00	TEM00	TEM00	TEM00
Beam Polarisation	Vertical	Vertical	Vertical	Vertical
Beam Diameter at I/e2	0.9 mm	0.9 mm	0.9 mm	0.9 mm
Beam Divergence at I/e 2 (max)	2.0 mr	2.0 mr	2.0 mr	2.0 mr
Beam Stability at 10-500 khz	5% rms	5% rms	5% rms	5% rms
Output Power	14 - 18 Watts	18 - 22 Watts	18 - 22 Watts	18 - 22 Watts
Q-Switch Performance				
Peak Power (min)	50 kw	50 kw	50 kw	50 kw
Energy/Pulse (min)	4 mJ	4 mJ	4 mJ	4 mJ
Pulse Width(max)	80 nsec	80 nsec	80 nsec	80 nsec
Peak of Peak instability(max)	< 5% pk-pk	< 5% pk-pk	< 5% pk-pk	< 5% pk-pk
Motion Controller :-				
X - Y Axis				
Travel Range	150 x 150 mm	150 x 150 mm	150 x 150 mm	150 x 150 mm
Control System	Servo motor & Rotary Encoder	Servo motor & Rotary Encoder	Linear servo motor & Linear Encoder	Servo motor & Rotary Encoder
Resolution	0.5 micron	0.5 micron	0.5 micron	0.5 micron
Accuracy	2.0 micron	2.0 micron	1.0 micron	2.0 micron
Z - Axis				
Travel Range	60 mm	60 mm	60 mm	60 mm
Control System	Servo Motor & Rotary Encoder	Servo Motor & Rotary Encoder	Servo Motor & Rotary Encoder	Servo Motor & Rotary Encoder
Rotary Axis Brutting	-----	-----	Linear Interpolation	Rotary Axis With Servo Motor & Rotary Encoder
Cooling System	Single Water (De-ionized)	Single Water (De-ionized)	Single Water (De-ionized)	Single Water (De-ionized)
Electrical Supply	380 VAC, 50/60 Hz 3 Phases, 16 amps/phase	380 VAC, 50/60 Hz 3 Phases, 16 amps/phase	380 VAC, 50/60 Hz 3 Phases, 16 amps/phase	380 VAC, 50/60 Hz 3 Phases, 16 amps/phase
Mechanical Structure	(in inches) 65(L) x 28(W) x 60(H)	(in inches) 65(L) x 28(W) x 60(H)	(in inches) 65(L) x 28(W) x 60(H)	(in inches) 65(L) x 28(W) x 60(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.