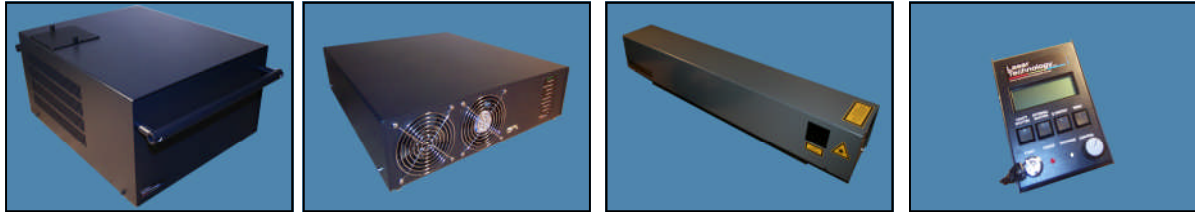
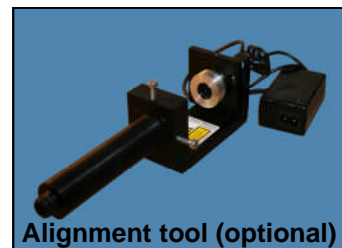
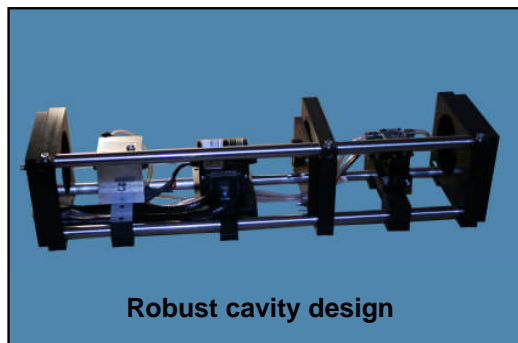
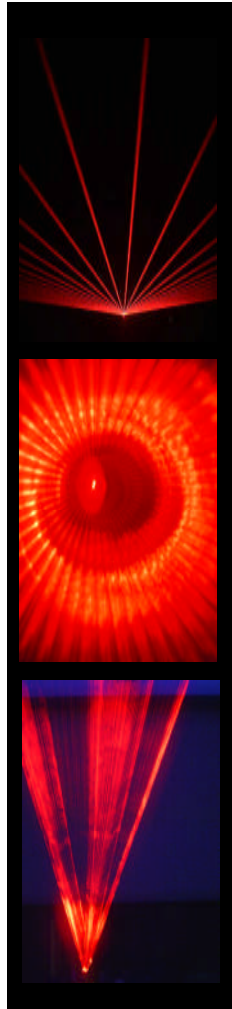


Excalibur 10 Watt Q-switched 659nm DPSS Laser System



Excalibur is a high power (10 watt) frequency doubled, Q switched NdYAG laser system. It is manufactured in the U.K. specially for the Laser Display market. At full power the system draws less than 10 amps from a single phase 220v supply. The laser is cooled by a compact refrigerated cooling system. Typical diode lifetime is typically 8000 hours. The operation of the laser is controlled by a hand held RS232 remote control unit.



	SPECIFICATION	TYPICAL
Laser Output Power	10 Watts	12 Watts
Wavelength (nm)	659nm	659nm
Nominal repetition frequency	Q - Switched 18 KHz	
Pulse Width	400 ns	
Peak Power	7 KW maximum	
Beam Detail @ laser	<2.0 mm / 3mrad full angle	2.0mm / 3mrad full angle
Beam Detail (with telescope)	2— 8mm variable < 0.5 mrad Full angle	2— 8mm variable 0.5 mrad Full angle
Polarisation	Horizontal Plane	
Modulation	Analogue to 30khz	Modulation Symmetrical Input ILDA standard
Scanning System	Cambridge Technology 6220H	
Scanning Angle	40° Optical	
Power Supply	230 V ac 50 Hz (60Hz available)	
Power Consumption	10 amps maximum	
Cooling	Refrigerant	
Signal Input	ILDA Standard D25 connector	
Laser Diode Lifetime	8000 hours	8000 hours
Operating Temperature	5 — 35 °C	
Warranty	12 Months R.T.B.	

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