

Lamp Pumped Solid State Laser Solutions



Pump Chambers

Our close-coupled diffuse reflector design delivers high efficiency and pumping uniformity. You can select the most appropriate design from our portfolio of standard products for your Laser media with multi-Rod or multi-Lamp options. Custom and OEM configurations are also available.



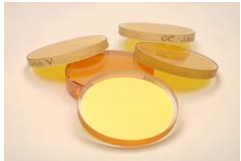
Flashlamps & Arc Lamps

We offer the largest selection of OEM lamps in the industry. The latest technology and manufacturing techniques for the most rigorous OEM requirements are applied to all our lamps. Standard designs for existing applications are also available. Send us your specifications for a quotation and fast delivery.



Laser Rods

The high quality Laser media is the heart of the solid-state Laser cavity. We provide market-proven high quality Laser Rods including Nd:YAG, Er:YAG, Ho:YAG, CTH:YAG, Ruby, Alexandrite and more. All rods are provided in accordance with your specifications.



Optics

We provide all key optics for high efficient pump chambers, including resonator mirrors, Gaussian mirrors, quarter plates, polarizers, beam splitters and lenses. Our optics features high damage thresholds with high stability and repeatability.



Capacitor Charging Power Supplies

The CCPF family of capacitor charging power supplies is designed to meet stringent OEM requirements, reliable and efficient operation with low EMI and low leakage current in compact sizes. The CCPF models can drive both PFN loads and reservoir charging circuits. Output power from 500J/sec to 6000J/sec is available. The output voltage is up to 15kV. All models are compliant with RoHS. Most models clear UL, IEC and EN safety regulatory requirements for medical and industrial applications.



Trigger Transformers/Simmer Supplies

Our Trigger transformers are available in many configurations for your lamp ignition requirements. Our Simmer Power Supplies come in two configurations depending on the size of the lamp and your power system requirements. They provide a low simmer current (about 150mA) to the lamp between pulses enabling stable pulse characteristics and improved lamp lifetimes.



Cooling Systems

We provide highly reliable compact liquid to air heat exchangers and above-ambient cooling systems for demanding flash lamp based systems. You can choose from a wide range of cooling system solutions to control the temperature of your Laser system.



Q-Switching Devices

A wide selections of EO-devices including Pockels Cells, Acousto-Optic Switches, Regeneration Amplifiers and Pulse Picking devices are available. Upon your Q-Switching Laser specifications, you can choose the best fit devices from our standard products.