



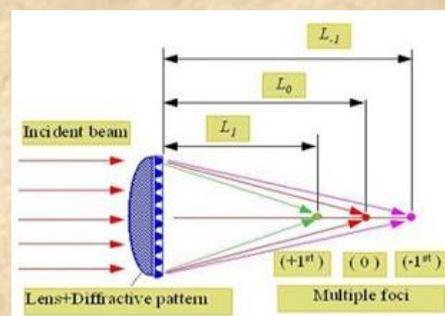
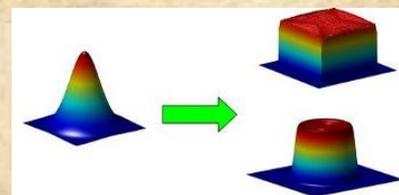
Quality and Excellence, presented by Sintec Optronics

NEW Diffractive Optical Elements 20% sale!

Our DOEs are being used for various applications mainly involving high precision and high power lasers. This technology enables many functions and light manipulations which are not feasible with standard refractive optics. In many applications those functions are very beneficial and significantly improve the system performance.

Our range of DOEs includes (but not limited to): beam splitters, beam shapers / top-hat, homogenizers/diffusers, multi-focal, beam samplers, vortex lenses, ring generator, dielectric mask and more. Those elements can be designed for any wavelength, from UV to Mid IR. Our DOEs are thin optical windows/lenses, easily installed in any system. In addition to individual elements, we can also design and assemble refractive-diffractive modules and sub-systems.

Diffractive optics solutions have many advantages such as high efficiency, high precision, small dimensions, low weight elements and most important, flexible solutions to meet variety of different applications' requirements. Inquire our DOE catalog to see how to shape your laser output !



We continue our annual tradition, applying up to 20% discount to orders placed before December 27th, for items available from stock (limited to 3 pieces per PN). Place an order now and take advantage of this amazing opportunity!

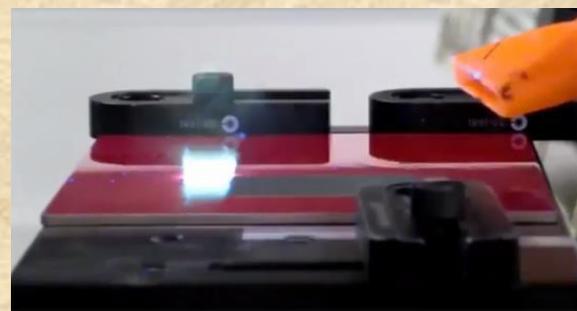
NEW STPL series high energy DPSS lasers for laser cleaning, rust removal, paint stripping etc.

Our new STPL-R series lasers are product family of Q-switched, diode-pumped, solid-state (DPSS) nanosecond (20 to 200 ns) lasers with a range of High Average Power(100 W to 3.2 kW) lasers emitting at wavelengths of 1064nm (infrared), 532nm (green) and 355nm (UV) delivers pulse energies ranging from 40 mJ to 240 mJ. STPL-R series was developed for industrial applications- primarily for use in the materials processing and microelectronics markets for flat panel displays, semiconductor, automotive and aerospace sectors.

Applications include LCD production, Photovoltaic Processing, Thin Film Removal, Rapid Laser Patterning, Material Processing, Extreme Ultraviolet (EUV) Generation, Poly Silicon Annealing, Hard Materials Processing, Micro Machining, Ti:Sapphire Pumping, Particle image velocimetry (PIV), Composite processing, Laser Lift Off , Annealing, Surface Cleaning, Paint Stripping, Composite processing.

Features

- High peak power, high pulse energy DPSS lasers
- Industrial design and high reliability for 24/7 manufacturing
- Industry proven low cost of ownership
- Turn-key laser system solution including fiber delivery
- Output range 200W to 3.2kW (@1064nm)
- Output range 100W to 400W (@532nm)
- Output range 40W to 80W (@355nm)
- Output pulse energies 40 mJ to 240 mJ

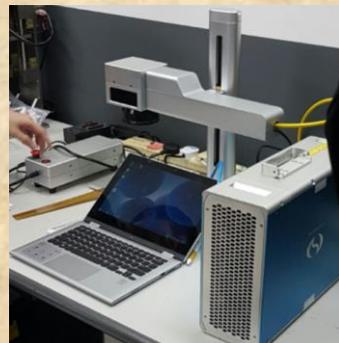




Mini Fiber Laser Machines

We have introduced a new configuration for marking machine: Mini fiber laser marker! It is like a small computer pc size and comes with the standard laser head and z-axis stage. Included inside is a standard 20W fiber laser. The marking quality is the same as our standard fiber laser marker with a simple software interface. The simple integration of the system requires no after-installation service. The fiber laser machine is the ideal solution for a broad range of industrial applications. Typical Applications:

- 1.Laser marking of metal & non-metal materials and products: stainless steel, copper, aluminium alloy, ceramics, plastics, organics, thermo-elastomerrubbers, paper, name cards, turbine blades
- 2.Electronic industry: capacitor, inductor, PCB, IC, connector, control panel, instrument
- 3.Others: cosmetics, food package, bottle, gift, advertisement & sign crafts, craft & gift making



The electrically focus-tunable lens STOT-EL-10-42-OF is dedicated to 3D laser processing applications and sets the highest standards in terms of spot quality, speed and repeatability. With a focus tuning range of -2.0 to +2.0 diopters the spot can be controlled over a large range along the z-axis (working distance)

LSLC-DIGI self-tuning scanhead is now cheaper!

As the LSLC-DIGI has self-tuning technology it is now possible to replace just the mirrors and let it auto-tune itself. For example, if you want operate at 355nm or 10.6um (CO2) instead of 1064nm wavelength, you can now just swap the mirrors instead of changing out the entire scanhead. Once you swap the mirrors and the LSLC-DIGI is switched on, it performs a detailed self diagnosis and system check to determine the operating parameters of the individual galvos. This ensures the accuracy and positioning of the laser marking is precise and error free. This eliminates the expense of either calling out a service technician to tune in replacements or the need to return the scan head to us. This saves both time and money – and enhances your system's reputation and decreases downtime for your customers.



We have recently improved our production process for the scanhead and lowered our prices! **Inquire now!**

Sintec wishes everyone Merry Christmas and Happy New Years !!

Sintec wishes everyone a Merry Christmas and Happy New Years! In this festive season, we would like to take the opportunity to also thank all our customers for a great 2017 year and continued partnerships in the future. This year, we have introduced several new products to our catalogs. We endeavour to work with you for your laser technology needs!

Promotional items!

We are currently overstocked on items such as Q-switch drivers, laser lamps, CO2 focusing lens and CO2 f-theta lens, high power fiber cable, ceramic reflectors, Optical galvanometers that supports 12-30mm apertures, and galvo drivers. Inquire about our stock items now and receive large discount! Our LSLC-DIGI self-tuning scanheads are on offer too!

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