



Quality and Excellence, presented by Sintec Optronics

Diffractive Optical Elements (DOE)

Our DOEs are being used for various applications mainly involving high precision and high power lasers. Our main customers are laser system integrators in industries such as medical/aesthetical, material processing, metrology and many more. A DOE uses thin micro structure patterns to alter the phase of the light propagated through it. Those micro-structure, once properly designed, can manipulate the light to almost any desired intensity profile or shape.

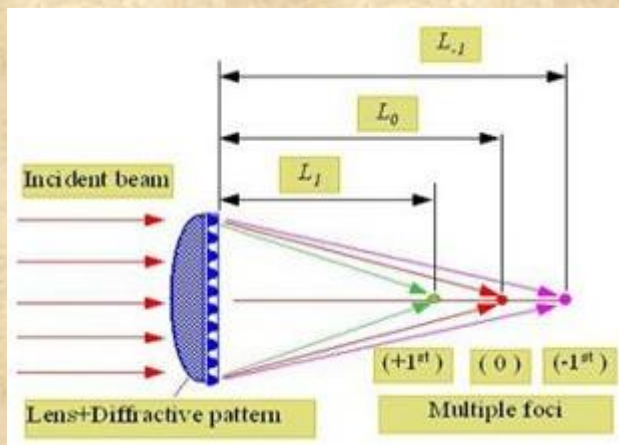
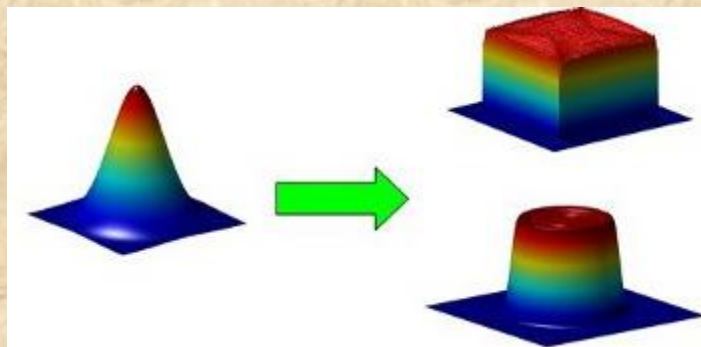
This technology enables many functions and light manipulations which are not feasible with standard refractive optics. In many applications those functions are very beneficial and significantly improve the system performance.

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 !



NEW Risk free evaluation for OEM CO2 laser air cooled

We offers the broadest portfolio of completely sealed CO2 laser products on the market. Our ULR series of sealed CO2 lasers are available in a wide range of models, with output powers ranging from 10W to 500W air cooled. Yes, even **our 500W CO2 laser is air-cooled!**

Our integrated air-cooled and internally RF-stimulated lasers eliminate the need for additional space and cost for chillers, and external RF power sources. Integrating Universal Laser Systems laser sources into your production or research process is as easy plugging it in. And we have unbeatable new order delivery time of 12-14 days.



Evaluate our laser(s) for up to 90 days for 10W–150W laser powers and 45 days for 250W–500W laser powers in your particular application

Features for AIR-cooled CO2 lasers

- No additional cost for Water chiller
- No Chiller, No water in laser, No water leakage, No corrosion
- Lower operating cost by eliminating maintenance and repair for chillers
- compactness and portability (size, weight) without chiller
- Tremendous cost saving on service repair calls due to water corrosion, and lack of clean water sources in many parts of the world.
- We are the most responsive customer-oriented technical sales and support center in Industry





Acousto Optical Modulator for CO2 Wavelength *NEW

An acousto-optic modulator for use at 9.4µm or 10.6µm wavelength, ideal for extra-cavity modulation or power control of high power CO2 lasers. Combining optimum grade mono-crystalline germanium, high quality optical finishing, robust anti-reflection coating and high reliability transducer bonding, with novel acoustic management and opto-mechanical design techniques, we have successfully achieved exceptional thermal management whilst maintaining high RF power handling, transmission and diffraction efficiency. In addition to the specifications indicated, we also offer alternative wavelengths, RF frequencies, active apertures & a wide range of custom housing configurations. This product conforms to the requirements of the European Union Directive 2011/65/EU of the European Parliament and of the Council on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment.



We also have an extensive range of Acousto Optical Modulators (AOMs), Electro-Optical Modulators Pockels Cells, and Q-switches for lasers. Inquire now for our available models for 1064nm, 532nm, visible wavelengths, 1550 wavelengths etc.

Visiting at Laser World of Photonics Munich 26-29 June 2017 *NEW

We will be sending a representative to visit the Laser World of Photonics Munich 2017 show in Munich Germany 26-29 June 2017. Our representative will be happy to meet up to have a chat about distribution or technical discussions!



Exhibiting at International Laser Expo Korea 26-29 June 2017 *NEW

We will be exhibiting at International Laser Expo Korea 2017 at KINTEX from 27-29 June 2017. Come and our booth at I-05 for discussion and chat! Our representative will be happy to meet up to have a chat about your laser needs!



Exhibiting at Conference Lasers Electro Optics (CLEO) Pacific Rim in Singapore 31 July 2017 *NEW

We will be exhibiting at the Conference for Lasers and Electro Optics (CLEO) Pacific Rim to be held at Marina Bay Sands here in Singapore from 31 July to 4 August 2017. Do come down to our booth and have a chat with us about your needs!



Promotional items!

We are currently overstocked on items such as Q-switch drivers, laser lamps, CO2 focussing 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!

Sintec Optronics (India)

Bangalore
E-mail: india@sintec.sg

Sintec Optronics Pte Ltd (Headquarters)

10 Bukit Batok Crescent #07-02 The Spire Singapore 658079
Tel: +65 63167112 Fax: +65 63167113
E-mail: sales@sintec.sg, sales@SintecOptronics.com
URL: <http://www.sintec.sg>, <http://www.SintecOptronics.com>