SINTEC NEWSLETTER

Sintec Optronics

Laser Expert in Singapore

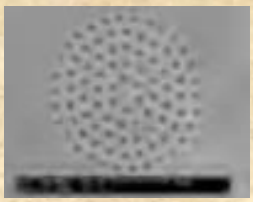
August 2017 Issue www.Sintec.sg www.SintecOptronics.com

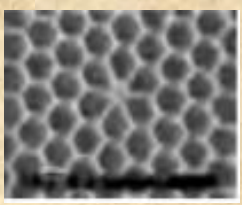
Quality and Excellence, presented by Sintec Optronics

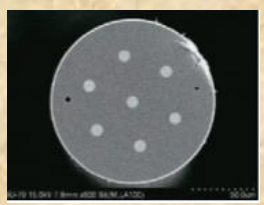
NEW Customised Optical Fibers and Patch cords

We are now able to offer all sorts of optical fibers.from communication fibers to specialty optical fiber. We are able to manufacture complex index-profile shapes accurately, therefore to get the optimized products with the best compromise between insertion loss and residual dispersion over the compensated working wavelength. Fibers are manufactured through the high precision Plasma Chemical Vapor Deposition (PCVD) process. This process produces preforms with precise refractive index profiles, material uniformity and dimensional tolerances, therefore,makes fibres with excellent birefringence, low attenuation and extremely tight tolerances. Customized fibres with special center wavelength and dispersion are available: Dispersion Compensating Fiber(DCF), Hard Polymer Cladding Optical Fiber(HPCF), Polarisation Maintaining Fiber (PMF), Bend Insensitive Single Mode Fiber (BI-SMF), Graded Index Multi-mode Fiber (GIMM), Step Index Multi-mode Fiber(SIMM), Specialty Step Index Single Mode Fiber (SISM), Single mode Coupler Fibers, High Temperature Fiber (HTF), ETFE Tight Buffered Fiber, Erbium Doped Fiber (EDF), Double Clad Ytterbium Fiber, Double Clad Passive Fiber, Multi-Core Fiber, UV optimised Fiber, Photonic Crystal Fiber (PCF).

We can also make customised glass preforms to your specifications, whether octagonal cladding or active ion doped preforms or photonic crystal designs for your projects. Let us know your customised fiber requirements!







NEW High evergy DPSS Laser optimized 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 of1064nm (infrared),532nm (green) and 355nm (UV). 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 Paterning, 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 ownersip
- Turn-key laser system solution including fiber delivery (round of square)
- Output range 200W to 3.2kW (@1064nm)
- Output range 100W to 400W (@532nm)
- Output range 40W to 80W (@355nm)

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NEW Telecentric lenses with tunable working distance

These new products allow telecentric measurements with temporally adjustable working distance up to image capture speeds of 40 fps. The working distance is thereby linearly proportional to the dioptic power (reciprocal of the effective focal length) of the focus tunable lens element. Due to the retroactive effect of the focal length, the magnification of the lens is not constant. With calibration of the setup, this small difference can be corrected for consistent accuracy, because of the linear behavior. Variation of working distance is also offering additional possibilities via z-scan through a measurement object and therefore another approach in 3D measurement technology. This range covers lenses with magnifications from 0.13x to 0.66x for sensors up to 16mm diagonal length and magnifications from 1x to 3x for sensor diagonals of 35 mm.

*NEW We exhibited at CLEO-PR in Singapore 31July - 4Aug 2017

We successfully exhibited at the Conference for Lasers and Electro Optics (CLEO) Pacific Rim held at Marina Bay Sands here in Singapore from 31 July to 4 August 2017. We thank everyone who came to our booth to talk to us about your laser needs!

NEW We will exhibit at Laser World of Photonics India !

We will exhibit at Laser World of Photonics in New Delhi from 14-16 September. Come down to our booth and see our product range. We can discuss about your project needs and find solutions for your technical requirements.

LASER World of PHOTONICS INDIA

SEPTEMBER 14–16, 2017 | NEW DELHI, PRAGATI MAIDAN

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!

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