



Quality of Excellence, presented by Sintec Optronics

Laser marking machines and systems *BEST SELLERS

We offer lasers that can be used to process materials like metal (aluminum, copper, stainless steel, anodized aluminium, carbon steel etc.), nylon, ABS, PVC, PES, steel, titanium, copper, plating materials, coating materials, sprayed materials, plastic, rubber, epoxy resin etc. And it can mark character, pattern, batch number, production date, bar code, logo etc..

We offer fully customizable options. You start by choosing a laser source. It can be DPSS Nd:YAG end pumped laser or side pumped laser, fiber laser, CO2 laser, lamp pumped laser etc. For pulsed lasers, this may include Q-switches. These will be integrated into a laser head, and you can choose a marking head, complete with internal galvanometers and XY scanning mirrors. We will then recommend our compatible drivers and power supply. Finally, choose a compatible control card and software to run the entire system. You may opt for us to fully integrate all these components for you into a machine with additional options like Z-axis stage!



Applications:

- Short wavelength with high photon energy
- Micro & precision machining
- Heat sensitive processing
- Cutting, marking, drilling, and prototyping
- Flexible PCB, PCB, wafer, glass, IC industrials

Optional:

- Auto Z axis
- XY stage
- Rotary table
- Flip/flop stage
- Vision system
- Loading/unloading stage
- Enclosed cabinet



CW visible fiber lasers * NEW

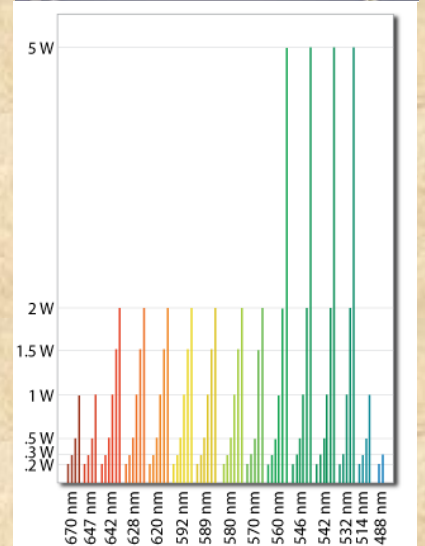
Fiber Lasers are compact, highly-efficient CW fiber laser with an all-fusion-spliced optical train, resulting in unprecedented stability. The lasers have a low-cost of ownership, with a long lifetime, low power consumption and no maintenance. The traditional concerns of keeping optics clean, and cavity alignment sensitivity to temperature and mechanical vibrations do not exist. Compact size and robust design make fiber Lasers ideally suited for system integration.

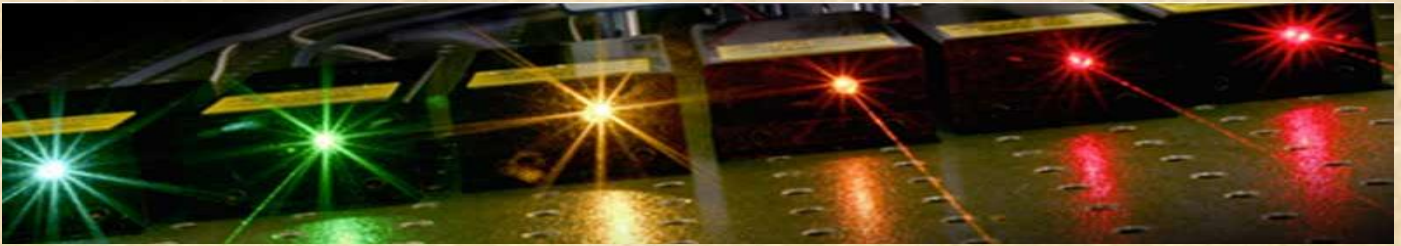
Features

- CW, Active Power Stabilization
- RS232 and USB
- Graphical User Interface
- Air-Cooling
- Safety Interlock (benchtop); integrated power supply & safety key (rack-mounted)
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Applications

- Fluorescence Microscopy
- Flow Cytometry
- Ophthalmology
- Spectroscopy
- Medical Biotechnology
- Laser Sintering
- Thin Film & Overlay Metrology





Erbium broadband/comb sources * NEW

The strong, uniform and extremely stable light of the Erbium broadband sources makes them very powerful sources for component testing. It provides a uniform dynamic range for the characterization of high-loss passive optical components in both the C & L bands.

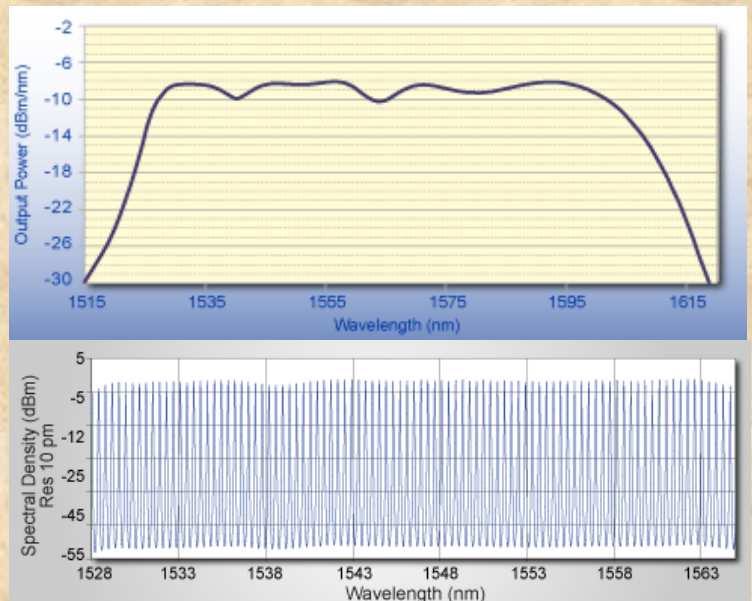
We also offer DWDM Comb source designed to simulate a DWDM signal launched into a fiber link and is an ideal replacement for a costly bank of DFB lasers. It is well-suited for measurements of DWDM amplifier gain and noise figure spectra as well as the evolution of the OSNR and channel power spectra in long-haul, multiply-amplified DWDM systems.

Features

- Provides broadband light several thousand times brighter than a typical EELED
- Unique and extra-ordinary source for different applications
- Output light is unpolarized
- Wide spectral range with excellent flatness
- Excellent stability of 5 mdB/hour
- Packaged in instrument or modular format

Applications

- Wide dynamic-range optical component testing
- Accurate EDFA gain spectrum measurement
- Telecom systems compliance tests
- Optical link characterization
- Optical-code division multiple access and local networking by spectral slicing
- Biomedical imaging
- Sensors & gyroscopes



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