

SOLAR LS Company has been working in the international photonics market for more than 30 years. We are experts in the design and manufacturing of solid-state laser systems and spectral analysis instruments for science, medicine and industry. Currently, the company comprises scientific research laboratories, a design department, a mechanical and assembly production facility, an optical department, and a group for adjustment and service maintenance. Therefore, we complete the entire cycle of work on creating laser and spectral analysis systems - from research and development to the supply of finished products and their service maintenance. Our instruments and systems successfully operate in more than 25 countries all over the world.

Being one of the market leaders, we offer our customers the widest range of the cutting-edge solid-state lasers, laser systems and spectral instruments. Reliability and technical perfection of SOLAR LS products are ensured by more than 30 years of manufacturing experience while design and concept incorporates with the latest achievements of the photonics.

Our laser product line includes:

- Nanosecond lasers with lamp and diode pumping with pulse energy up to 2.5 J, pulse repetition rates up to 100 Hz;
- Lasers with kHz pulse repetition rates with average power up to 10 W, pulse repetition rates from 1 to 100 kHz;
- Picosecond and femtosecond lasers with average power up to 8 W, pulse energy up to 1 mJ, pulse duration from 150 fs to 30 ps;
- Tunable nanosecond laser systems with a tuning range from 200 nm to 20 μm .

All lasers are equipped with harmonic generators and nonlinear converters, providing the capability to operate in UV, visible and IR spectral ranges.

Typical spectral products of our company are:

- Monochromators/spectrographs with a focal length from 44 to 522 mm;
- Compact spectrometers in the spectral range from 190 to 2560 nm with high optical sensitivity, low level of stray light and high resolution;
- Tunable light sources based on xenon lamps in the spectral range from 190 to 2500 nm, with high resolution up to 0.1 nm;
- Wavelength meters for lasers and diodes in the spectral range from 190 to 1800 nm with high accuracy and extremely high resolution.

We offer a wide range of detectors and accessories to complete our spectral instrument registration systems, as well as to collect light and input/output it into a fiber or spectral instrument.

In addition to standard models of lasers and spectral instruments, our specialists are ready to develop and manufacture absolutely unique systems for your specific requirements and tasks.

Why we are confident in excellent results:

- ✓ Extensive experience: over 30 years of designing and producing laser systems and spectral analysis instruments to meet the current User's needs;
- ✓ Rapid and high-quality development of custom instruments;
- ✓ Established small-scale production process;
- ✓ Our team is involved in optimizing optical schemes designs for experiments using our spectral analysis instruments and laser systems;
- ✓ We provide stable OEM-supplies of high-quality instruments and systems.