Top Hat Beam Shaper FBS®-L
TOPAG presents a new beam shaper especially designed to generate short, narrow and homogeneous line spots. Along the line the FBS®-L generates a Top Hat profile. Whereby the pulse-to-pulse overlap can be reduced and the processing speed increased. The Top Hat beam profile also leads to more homogeneous ablation and can avoid damage of subjacent layers of layer systems. Across the line the shape is Gaussian to allow the smallest line width.

Tunable Air-Cooled Nanosecond Laser Q-Tune
The entirely air-cooled, diode-pumped nanosecond laser Q-Tune is tunable in the wavelength range from 210 to 2300 nm at repetition rates from single shot to 100 Hz. The compact system delivers up to 5 mJ @ 470 nm and 10 Hz and has a guaranteed pump diode lifetime of >2 Gshots. Typical applications are time-resolved spectroscopy, photoacoustic imaging and metrology.

Tunable Nanosecond Laser NT340 from 192 nm to 18 µm
Ekspla, well-known for its tunable laser series, is updating many product lines. The tunable nanosecond laser series NT340 with 192 to 2600 nm tuning range and high up to 50 mJ pulse energy is dedicated for laser-induced fluorescence, photobiology, time-resolved spectroscopy and non-linear spectroscopy. Now a new customization option with up to 18 µm is offered to enable studies on IR vibrations of molecules. The narrow down to 3 cm⁻¹ line width ensures a high spectral resolution.
New Ultra-stable Green CW Laser

The compact diode-pumped model SPROUT-H from Lighthouse Photonics, delivering up to 20 W output power at 532 nm, has recently been added to our product portfolio. This CW laser excels by its long term stability (< 0.5 %), remarkably low noise (< 0.02 %) and nearly-perfect TEM$_{00}$ beam profile. Suited for pumping Ti:Sa lasers, SPROUT-H is also used in applications like flow visualization, cytometry and spectroscopy.

Fiber Lasers from Irisiome Solutions

TOPAG now supplies lasers from Irisiome Solutions, a manufacturer of novel, air-cooled CW and pulsed fiber laser systems. The series Manny allows unique flexibility on both pulse duration and repetition rate by employing picosecond “pulse gating” technique. Pulse duration is tunable from 35 ps to few nanoseconds. Repetition rates can be changed from 5 MHz to 2 GHz while keeping output power constant. Different models with fixed wavelength from 515 to 1560 nm and average output power from 40 mW to 30 W are available. Typical applications are found in microscopy, spectroscopy and biophotonics.

Selected fairs and events in 2020:

▲ ESOPS, Linz | 13.01. - 15.01.2020
▲ CECP, Bad Hofgastein | 09.02. - 13.02.2020
▲ DPG, Hannover | 08.03. - 13.03.2020
▲ ECONOS, Karlsruhe | 19.04. - 22.04.2020
▲ AKL, Aachen | 06.05. - 08.05.2020
▲ OPTATEC, Frankfurt | 12.05. - 14.05.2020

You are cordially invited to our booth!

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