

# Advanced Laser Diode Systems



## PiLas Pulsed Picosecond Laser Diode Modules

PiLas is a versatile, picosecond laser diode module designed for all industrial and scientific applications that require maintenance-free operation, continuous tuning of the repetition rate and low cost of ownership. Gain-switched operation of the semiconductor laser diode allows to emit optical pulses from 20ps to 5ns pulse width and peak power from 20mW to 1W in the wavelength range from 375nm to 2 $\mu$ m. PiLas can be operated from pulse-on-demand up to 40MHz and it can be easily triggered from an external source (master or slave mode). Every laser head is optimised to meet the customer's specifications requirements.



## Origami Femtosecond Laser Modules

- High energy (> 500 $\mu$ J)
- High power (~4W)
- Femtosecond pulses (<70fs)
- Ultra low noise



## Genki Picosecond Laser Modules

- Short pulse length (<10ps)
- High energy (>300 $\mu$ J)
- High power (~100W)
- 1030 & 1064nm



## Katana Versatile Pulsed Picosecond Laser Modules

- High energy
- Multi-wavelength (520, 600, 775, 1047, 1200 & 1550nm)
- Pulsed (30ps~10ns)