

**NEW!**

## Picosecond Gain Switched Laser "ANGIS"



<b>Wavelength</b>	1064 nm / 532 nm / 355 nm
<b>Pulse duration</b>	< 50 ps
<b>Energy</b>	>100 $\mu$ J
<b>Repetition rate</b>	single shot up to 10 kHz
<b>Beam profile</b>	Gaussian, M2 <1.2
<b>Spectrum</b>	SLM

### Scientific Applications

- Remote Laser Sensing
- Time resolved fluorescence spectroscopy
- Laser induced acoustic wave generation
- OPO pumping
- Other spectroscopic applications

### Industrial Applications

- Microprocessing of Dielectric Wafers, Silicon Wafers, Flexible Printed
- Circuit Boards (FPCB), Printed Circuit Boards (PCB)
- Flat Panel Display, LCD/LED/OLED Repair

### Features

- Ultra-compact, integrated driver
- Air cooled
- Passively or Actively Q-switched 880 nm Pump Laser
- No Semiconductor Modulator (SESAM), No Mode Locking
- Cost-effective

## “ANGIS” Picosecond Industrial Laser

<b>Pulse energy</b>	
1064 nm	>100 µJ
532 nm	>50 µJ
355 nm	>30 µJ
<b>Pulse duration</b>	<50 ps
<b>Energy stability (RMS)</b>	
1064 nm	<1.0 %
532 nm	<2.0 %
355 nm	<3.0 %
<b>Power drift</b>	±1.0 %
<b>Pulse repetition rate</b>	Single shot - 10 kHz
<b>Beam profile</b>	Gaussian
<b>Output beam diameter</b>	
1064 nm	2.5±0.5 mm
M <sup>2</sup>	<1.2
<b>Polarization</b>	linear, horizontal at 1064 nm
<b>Spectral linewidth</b>	SLM
<b>Beam pointing stability</b>	<10 urad
<b>Optical jitter</b>	<100 ns
<b>Dimensions</b>	390x250x164 mm
<b>Environmental operational conditions</b>	
<b>Cooling</b>	Air cooled
<b>Ambient temperature</b>	17-30 °C
<b>Relative humidity</b>	10-65 %
<b>Power</b>	
Mains voltage	100-230 VAC, single phase, 50-60 Hz
Power consumption	600 W typ