MOPA Laser system: CryLaS released a new laser system

CryLaS GmbH has successfully developed another model to its existing Microchip laser-series.

The new MOPA laser system combine excellent beam quality, extreme short pulses, long term stability, low noise and compact design with simple user operation. It emits in the UV, VIS and IR spectral range and is designed for scientific and industrial OEM uses with applications in biotechnology, analytics, metrology and micro-machining.

Because of its excellent beam quality, the MOPA laser is suitable for following applications:
- LIBS with high Rep.rate
- Micro-machining
- TOF
- Pumping of Dye laser
- MALDI-TOF ..etc.

Wavelength	**266 nm**	**355nm**	**532nm**	**1064nm**
Rep.rate [kHz]	**1**	**1**	**1**	**1**
Pulse-energy Ep [µJ]	**> 50**	**> 200**	**> 250**	**> 650**
Average power [mW]	**> 50**	**> 200**	**> 250**	**> 650**
Pulse-width [ns] (± 0.1 ns)	**1.0 .**	**1.1 .**	**1.2 .**	**1.4 .**
Peak-power [kW]	**> 45**	**> 180**	**> 200**	**> 450**
Peak to peak noise [% rms]	**< 2%**	**< 2%**	**< 2%**	**< 2%**
Output stability % (8hrs) With closed loop control	**± 2%**	**± 2%**	**± 2%**	**± 2%**
Beam asymmetry	**< 2:1**	**< 2:1**	**< 2:1**	**< 2:1**
Divergence (full angle) [mrad]	**< 3**	**< 3**	**< 3**	**< 5**
Diverse options	**x**	**x**	**x**	**x**