

Medium power diode pumped YAG and diode lasers as a stand alone system or for integration into machines and systems.



OEM-system with software-controlled galvoscaner. The controls are located on the front panel of the 19" housing. At a system integration they can also be replaced by the corresponding control elements of a higher-level control system

All lasers listed in the table below are actively temperature stabilized. In the scientific field, these lasers are suitable excitation light sources for cw luminescence studies or for photochemical or photophysical processes. A software controlled 2D galvoscaner (optional) can also be used to perform position dependent measurements. This allows selected areas of the sample to be examined. In the industrial sector, applications can be found in the monochromatic and large-area illumination of workpieces, for example for quality control. The laser scan also be used as a positioning aid. Points, lines, circles, crosses and dot- or line grids can be created statically using appropriate optics. Complicated contours can be created using a software controlled galvoscaner (optional). All lasers can also be digitally modulated, typically up to approximately 5 kHz.

Some technical data:

Wavelength [nm]*	405	450	473***	520	532***	561***	589***	640	655	808	980
Maximum power [mW]**	100	50	50	50	200	20	50	100	120	150	200

* Other wavelengths are possible. The wavelengths of the diode lasers are specified as ± 5 nm.

** These values are a guideline. Higher output powers are possible.

*** These wavelengths belong to YAG lasers, all others belong to diode lasers.