We manufacture diode lasers.

Your ideas are welcome.

Lumics GmbH
Carl-Scheele-Str. 16
12489 Berlin / Germany
Tel: +49 (0)30. 6 78 06 76 - 0
Fax: +49 (0)30. 6 78 06 76 - 26

www.lumics.com

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Lumics' New Enhanced Range of Diode Laser Systems for Industrial Applications

Lumics GmbH - Berlin is pleased to present its enhanced range of diode laser systems for light material processing in industrial applications such as e.g.:

- plastic welding
- laser soft soldering
- thin sheet metal welding
- surface processing.

The laser systems deliver powers from 10 W to 800 W and cover wavelengths from 793 nm to 1940 nm with special emphasis on the popular 808 nm, 915 nm, 940 nm, and 980 nm for standard material applications. However, 1064 nm, 1470 nm, or 1940 nm are covered as well for special applications in material processing. Additionally feasible are mixed wavelengths systems (e.g. 980 nm & 1470 nm). Available fiber core sizes range from 100 µm to 600 µm fibers, depending on power and application.

Due to their high degree of individualization, Lumics' diode laser systems are easy to integrate. They come either in rugged industrial casings such as 19´´ rack type, desktop system, or as specifically designed OEM version. Depending on technical requirements on the integrators' side, Lumics' diode laser systems are air-cooled (with TEC) or water-cooled and are available with standard industrial interfaces such as display, RS232, or LabView.

Furthermore, all other well-known Lumics' diode laser options such as fiber detection sensor, monitor diode, temperature sensor, and pilot laser can be included, even with the possibility to have them doubly-implemented to ensure redundancy for special safety requirements.

Lumics GmbH in Berlin is a manufacturer of diode lasers, fiber coupled single- and multi-mode laser diode modules and turn-key laser systems based on Lumics' patented single emitter technology.

Lumics GmbH Berlin
V.i.S.d.P. Dr. Nils Kirstaedter
E-Mail: infoDE1@lumics.com