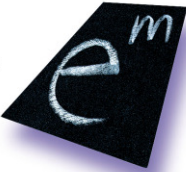


**meerstetter
engineering**



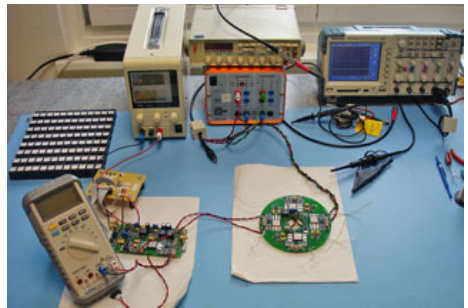
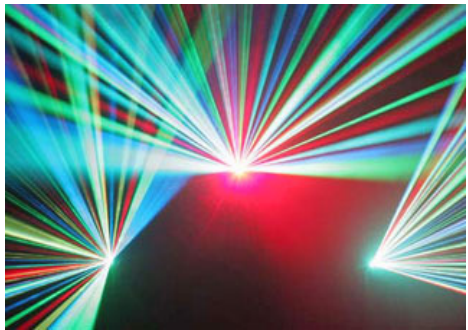
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LASER ELECTRONICS

Laser Power Supplies

Laser Diode Drivers

Physik & Elektronik



Meerstetter Engineering GmbH (ME)

For almost twenty years, ME have mainly developed and produced electronic component and devices for the laser industry. Our products have been applied in the fields of medicine, the processing of metal, pharmacology, environmental technologies and research, as well as for military use and simulation.

Crucial knowledge and experience

Our main specialities comprise power electronics, analog and measuring techniques in combination with considerable experience in a wide field of different laser applications. Additional expertise has been acquired in the field of specific laser control systems.

Focus

ME have always endeavoured to take part in the creation of new and specified developments in the range of laser electronics, particularly laser diode drivers, to take them up to serial production and, as far as useful, to produce and service these products. These are the main qualities ME have to offer as an attractive partner of laser producers, who are interested in the establishment of long-term business relationships.

Engineering¹

Engineering is the main field of activity of ME. This may comprise products and services from the entire development process: starting with the requirement analysis, the establishment of performance specifications, the development itself, the production processing, as well as the servicing of the product for the duration of its entire service life. In addition to all that ME are also active in the development and marketing of their own products.

Products and services on offer

Electronics development

- Power electronics
- HW and SW
- Electro construction
- Production processing
- The servicing of products

Production

- The production of series of up to approximately 100 pieces
- The co-operation with specialised partners
- The shipping according to specific agreements and arrangements
- Repairs for the duration of the product's service life

Tools ²

- Diagrammatic view: OrCAD Capture
- Simulation: Pspice
- PCB Layout: OrCAD Layout
- Mechanics: AutoCAD LT
- FPGA: Actel
- Processors: PIC-Family
- PC: MS Visual C++

Experience

- Radial sources for flashlights
- Power switches for flashlights for up to 1MW pulse capacity
- Q-Switch-Laser for the ophthalmology
- Electronics for frequency duplicated solid body lasers
- Various different laser operating systems
- Laser diode drivers CW, QCW, ultra-short pulses
- Electronics for laser independent applications

Our own products ³

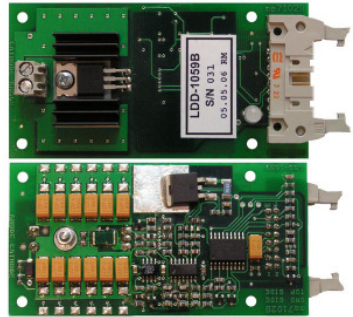
Laser diode drivers (LDD) for various different applications. Please see next page.

- 1 Experience has shown that, as a rule, for serial production, a product specific, as well as a customised solution, does not only prove to be the most cost-effective, but also the most effectively marketable product.
- 2 Because technologies and methods are often inspired by application or technology itself, the list of tools remains open-ended and subject to extensions.
- 3 The products presented here, are the sole property of Meerstetter Engineering GmbH. The data of component and devices of our customers (The main field of business operations) are protected and are only published in exceptional circumstances and with the express previous agreement of the customer.

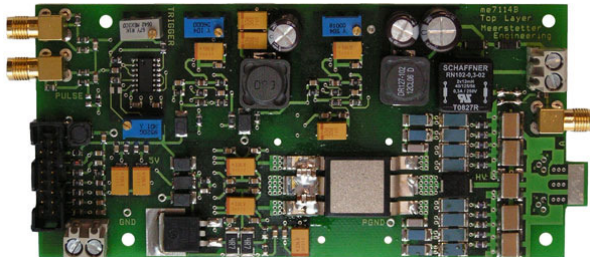
Eigene Produkte



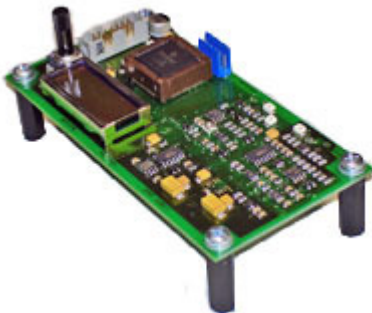
LDD-1046 Pulsbetrieb 120/A/120V
LIDAR, DPSSL



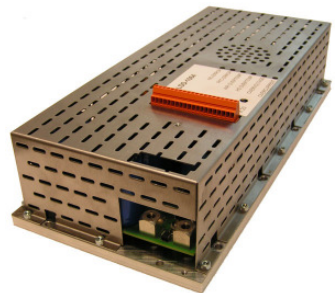
LDD-1059 Pulsbetrieb 20A
(Virtual Laser Valves)



LDD-1079 Ultrakurze Pulse 130A/20-1000ns
Pollution Monitoring



LDD-1076 Ultrakurze Pulse 2A/50-250ns
Testapplikation



LDD-1064 CW- und Pulsbetriebe 80/ 12V
80A/12V / DPSSL