



# Optoelectronic Modules

From concept through mass production – we are your partner. We offer the complete development of components and complex optoelectronic and optomechanical modules. Innovative assembly processes guarantee cost effective development and production of your products. Our supply chain management enables worldwide supply as well as quick response to your needs.



# We realize your vision



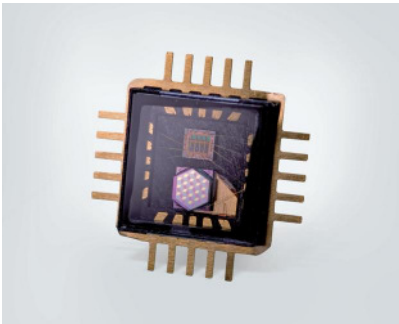
From components to modules, we are your supplier for:

- Optical, mechanical and system design
- Prototypes
- Tool construction and production of customer specific injection molds
- Injection molding
- Micro injection molding
- 2-component injection molding
- Coating of optical components



From chip design to LED modules

- Customer specific chip layout
- LED chips in the spectral range 360 nm - 1750 nm
- High-speed chips, High-power chips, Point source chips, monolithic display chips
- Photodiodes with sensitivity 150 nm - 2600 nm
- Excellent signal-to-noise-ratio
- LED and photodiode modules for standard and custom designs
- Flexible production of small to medium production runs



From board to optical packaging

- Assembly of optoelectronic modules
- Wafer dicing
- Chip bonding
- Wire bonding (Gold and Aluminium)
- Filter assembly
- Potting
- COB, SMT, Flipchip and optical packaging
- Clean room class 100



Mass production of optoelectronic modules

- Fully and partially automated assembly processes
- Manual assembly
- Laser joining and laser welding
- Ultrasonic welding, bonding technologies
- Micro- and compensation assembly
- Clean room class 100,000 and 10,000
- Traceability
- Quality management and assurance according to FDA recommendation

Certification according to DIN EN ISO 9001, DIN EN ISO 13485, DIN EN ISO 14001



JENOPTIK | Optical Systems  
Optoelectrical Systems Business Unit  
JENOPTIK Polymer Systems Inc.  
2117 Buffalo Rd. #222 | Rochester, NY 14624 | USA  
Phone +1 585 272 6184 | Fax +1 585 424 6436  
e-mail [info@jenoptik-ps.com](mailto:info@jenoptik-ps.com) | [www.jenoptik-ps.com/usa](http://www.jenoptik-ps.com/usa)

JENOPTIK | Optical Systems  
Optoelectrical Systems Business Unit  
EPIGAP Optoelektronik GmbH  
Koepenicker Strasse 325 b | Haus 210 | 12555 Berlin | Germany  
Phone +49 30 65 76-25 49 | Fax +49 30 65 76-25 45  
e-mail [sales@epigap.de](mailto:sales@epigap.de) | [www.epigap.de](http://www.epigap.de)