

About LANICS

- Over 30 years of experience in producing Diode Laser Module
- Application in various places such as steel, medical, and semiconductor industries
- Supplied to POSCO, Dongkuk Steel, Hyundai Steel, Samsung Heavy Industries, S1, Hyundai Kia Motors, EDMOND, BARUDAN, etc.
- Acquired FDA CDRH Certificates (Laser Safety Rating)
- Development and supply of customized products such as LEDs and UVC LEDs along with Diode laser
- Application and registration of patents, utility models, design patents, etc.
 - Utility Model. Line Width Variable Type Line Generating Laser Diode Module (No. 0193005)
 - Design registration. Laser target indicator (No. 30-0418580)
 - Patent registration. Laser diode drive device of laser display (No. 10-656931)
 - Patent Application UVC LED Test chamber (No. 10-2023-0150357)

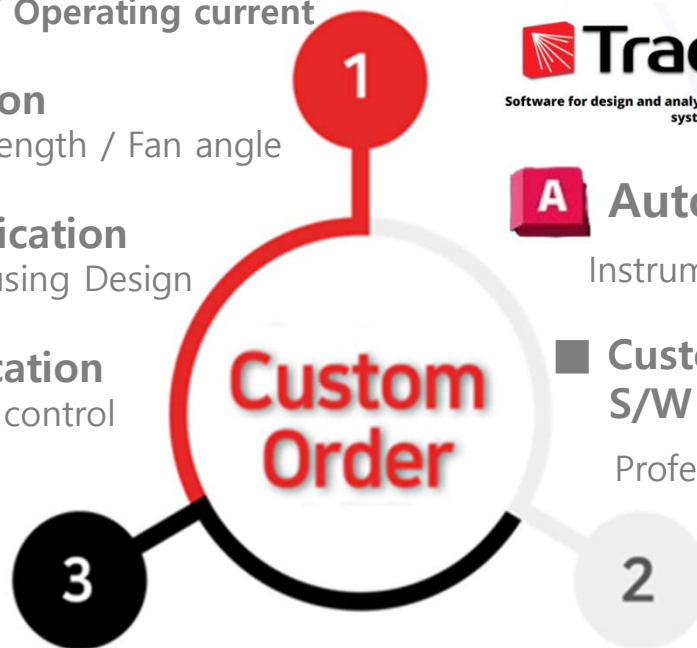
Advantage of LANICS

Customizing Diode Laser/LED Module

Develop a **Diode Laser/LED Module** with the specifications you want, Simulated to supply the optimal product.

1. Customer request & Instrument


- **Electrical Specification**
Power consumption / Operating current
- **Optical Specification**
Optical Power / Wavelength / Fan angle
- **Mechanical Specification**
Heatsink Design / Housing Design
- **H/W, S/W Specification**
H/W, S/W for product control



2. Design & Simulation

Optimal optical and electronic and instrumental design

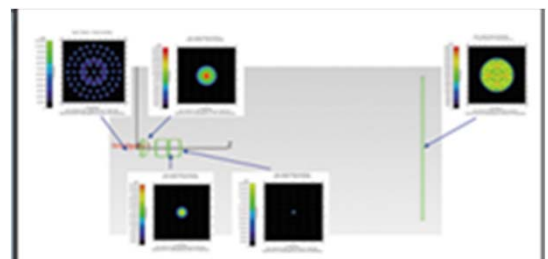
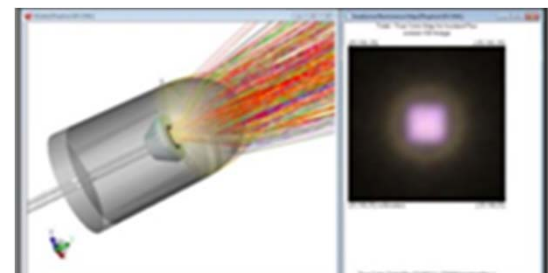
 **TracePro** Optical design
Software for design and analysis of illumination and optical systems.

 **AutoCAD**
Instrument and Housing design

■ **Customized H/W, S/W Design**
Professional staff and programs

3. Product Manufacturing

- Diode Laser module, LED Module, UVC LED Module
- Test inspection (Optical Power, Wavelength, Reliability test)



Diode Laser Products

Diode Laser Module is a device or system that generates dots, lines, and cross-line beams designed for multiple industries.

LANICS can be customized to the specifications the customer wants.



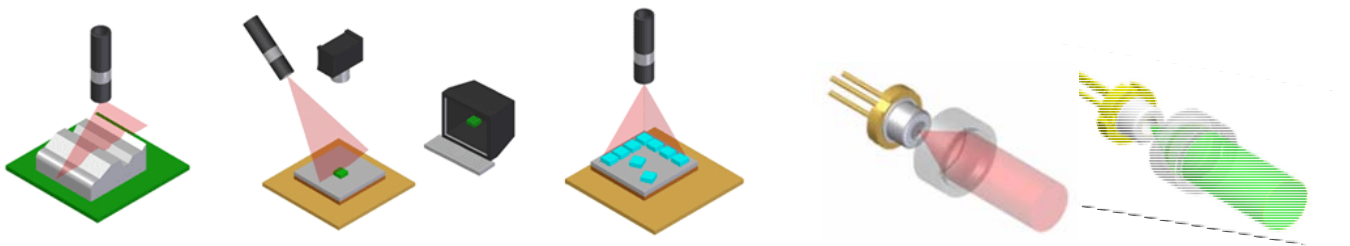
DOT



LINE



CROSS



- **Red, Green, Dot / Line / Cross Diode Laser Module**
- **Adjustable line thickness (Focusing control)**
- **Used High quality Diode Laser**
- **Range of fan angle : 10°, 15°, 30°, 45°, 60°, 90°, 120°**
- **Digital / Analog Modulation Control**
- **High reliability, Low heat, High efficiency**



Customized Products

LANICS develops and manufactures products not only in Diode Laser Module but also in various fields where Laser and LED are applied.



LANICS™
LASER ELECTRONICS

