

**Company:** American Laser Enterprises, LLC

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**Sales Office:**

Located in the Green Oaks Township Industrial Park off I-96 at Kensington Road, ALE is continually advancing beam delivery solutions for new, advanced manufacturing applications.

**Company Description:**

An engineering company with 40+ years of industry experience and knowledge providing optoelectronic engineering, design and manufacturing services of laser beam delivery components and systems for CO<sub>2</sub>, Nd:YAG, Fiber, and Disc lasers.

**Products:**



**Cutting Heads with or without height sensing control**

**Welding Heads**

**Scanning Heads**

**Drilling Heads**

**Cladding Heads**

**Process Monitoring Solutions**

- LPC Laser Process Control (Patent Pending)
- A-Las<sup>®</sup> Automated Laser Alignment System (Patent Pending)
- Spot-It Alignment System

**Beam Delivery**

- Beam shuttles
- Beam benders and splitters
- Beam collimators
- Beam trepanners and boring heads
- Beam scanners
- Beam diagnostic equipment
- Circular polarizers
- Feedback isolators
- Beam enclosures tubing, bellows, and telescopic tubes

**Component Spare Parts**

- Nozzles, Tips, & Insulators
- Lens, Mirrors, Focusing Mirrors
- Tip Transformers
- ArmorDillo<sup>™</sup> Sensor Cables
- Filters & Lubricants

**Principal Applications:**

**ALE** components are used in Cutting, Welding, Heat Treating, Drilling, Scribing, Cladding, and Ablation applications for materials such as sheet metal, plastics, fiber, and wood used in manufacturing processes.

**Services Offered:**

**ALE** will design, manufacture, and install a system specifically for your application. On-site evaluation of current processes, Application development, CAD drawings of proposed solutions, spare parts and components in-house, repair services

**Principle Markets Served:**

Aerospace, Automotive, Electronic, Government, Medical Device, Metal Fabrication, Military, O.E.M., Plastics, Scientific, Sign, Wood Fabrication