Company: **American Laser Enterprises, LLC**
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248-449-3546
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Email: sales@a-l-e.net info@american-laser-spares.com

NAICS: 541330
541715; 333517
Cage Code: 591U2
UEI: NCVCNHN8M6H

Sales Office:

Located in Brownsburg Township Industrial Park off I-74, ALE continues to advance industrial laser beam delivery solutions for emerging, specialized advanced manufacturing applications.

Company Description:

The Evolution of Precision: American Laser Enterprises is an optoelectronics' engineering company with 40+ years of industry experience and knowledge providing optoelectronic engineering, design and manufacturing services of industrial laser beam delivery components and systems for CO_2, Nd:YAG, Fiber, and Disc lasers.

Products:





Ablation Scanning Heads
Cutting Heads with or without height sensing control
Welding Heads
Drilling Heads
Cladding Heads
COMPLETE Machine Tools & Integrated Systems
Process Monitoring Solutions

- LPC Laser Process Control SurClean Inc.
- A-Las© Automated Laser Alignment System
- 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



Spare Parts

- Nozzles, Tips, & Insulators
- Lens, Mirrors, Focusing Mirrors
- Tip Transformers
- ArmorDillo™ 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. ALE developed the SurClean Laser Ablation product line.

Services Offered:

ALE will design, assemble, 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. Laser ablation services in house and on-site.

Principle Markets Served:

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

Company: American Laser Enterprises, LLC UEI: NCVCNHN8M6K9

NAICS CODES SELECTED

238990 ALL OTHER SPECIALTY TRADE CONTRACTORS
333249 OTHER INDUSTRIAL MACHINERY MANUFACTURING
333314 OPTICAL INSTRUMENT AND LENS MANUFACTURING
333318 OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING
333515 CUTTING TOOL AND MACHINE TOOL ACCESSORY MANUFACTURING
333517 MACHINE TOOL MANUFACTURING
333618 OTHER ENGINE EQUIPMENT MANUFACTURING
333992 WELDING AND SOLDERING EQUIPMENT MANUFACTURING
333999 ALL OTHER MISCELLANEOUS GENERAL-PURPOSE MACHINERY ANUFACTURING
334413 SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING
334513 INSTRUMENTS AND RELATED PRODUCTS MANUFACTURING FOR MEASURING DISPLAYING, AND CONTROLLING INDUSTRIAL PROCESS VARIABLES
335999 ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING
336211 MOTOR VEHICLE BODY MANUFACTURING
336411 AIRCRAFT MANUFACTURING
336413 OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING
336611 SHIP BUILDING AND REPAIRING
336992 MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING
336999 ALL OTHER TRANSPORTATION EQUIPMENT MANUFACTURING
423830 INDUSTRIAL MACHINERY AND EQUIPMENT MERCHANT WHOLESALERS
488190 OTHER SUPPORT ACTIVITIES FOR AIR TRANSPORTATION
541330 ENGINEERING SERVICES
541512 COMPUTER SYSTEMS DESIGN SERVICES
541690 OTHER SCIENTIFIC AND TECHNICAL CONSULTING SERVICES
541713 RESEARCH AND DEVELOPMENT IN NANOTECHNOLOGY
541715 RESEARCH AND DEVELOPMENT IN PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT NANOTECHNOLOGY AND BIOTECHNOLOGY)
541990 ALL OTHER PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES
561790 OTHER SERVICES TO BUILDINGS AND DWELLINGS
562910 REMEDIATION SERVICES
811118 OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE
811310 COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

Managing Member/Owner – Donald E. Sprentall Biography

Sprentall is a veteran of the United States Naval Nuclear Submarine Force. While in the Navy, Sprentall earned a Presidential Unit Commendation for his North Pole exploration. In addition, he received extensive education in overall electronics, navigation systems, and atmospheric control equipment. Upon his discharge, he began his career in the photonics industry at a start-called Photon Sources where he spent 15 years holding various leadership roles and became the Vice President of Engineering.

It sold to Lumonics and after two years, he joined a former Photon Sources colleague at start-up Laser Mechanisms as Vice President of Industrial Products. At LMI, Sprentall had many first developments in the laser industry. He designed and developed optical delivery components and customized solutions for FIBER, CO2 and YAG lasers. While at Laser Mechanisms, Sprentall was primarily responsible for LMI's introduction into the military market working with BAE Systems Advance Threat Infrared Counter Measures project. Working with Cincinnati Inc's engineering, Sprentall spearheaded beam delivery products used on Cincinnati Inc. flatbed sheet metal cutters and the enhancement of the Laser Mechanisms product line, including the development of a height sensor cutting system and a magnetic tip slug removal system. Other companies included Strippit, LVD, PRC, and Rofin-Sinar.

In 1996, he formed American Laser Spares (ALS). This business unit was formed to fill a void created by the erratic and fragmented distribution of beam delivery components and spare parts by OEMs and to assist the end user with the latest technology available.2001 was a pivotal year and Sprentall left Laser Mechanisms to form American Laser Enterprises, Inc. In 2002, ALE became a sub-contractor to a major prime for the USAF Research Lab Coating Removal Projects. Here ALE shined using their laser knowledge on the Tinker AF off aircraft project, the Hill AFB LADSII program, and continued on the RLCRS program until 2012. The SurClean

Handheld Laser Coating Removal System was launched to fill the void for the USAF handheld market and Sprentall continues to serve his Country by expanding into service offerings.