



Donald E. Sprentall

CTO & Director of Engineering & Sales

Donald E. Sprentall is Director of Engineering & Sales of American Laser Enterprises, LLC (ALE). Founded in 2001 by Sprentall, ALE provides manufacturing and technical engineering services to laser equipment OEMs, system integrators, distributors, and end users.

In 2010, Sprentall contributed to the planning of SurClean and through his role representing ALE as a key team member on the Air Force Research Lab coating removal team under Prime Contractor, Concurrent Technologies Corporation, he is instrumental in the technology development and product design.

Sprentall spent 15 years with Laser Mechanisms, Inc. (LMI), where he rose to become vice president of operations. There, he designed and developed optical delivery components and customized solutions for CO₂ and YAG lasers. While at Laser Mechanisms, Sprentall was primarily responsible for Cincinnati Inc. and 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.

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.

He started his career in 1970 with Photon Sources, a start-up company that grew to \$35 million in annual sales in 14 years. He held several senior level positions including vice president, engineering. When the firm was sold in 1985 to Lumonics, Sprentall continued his role as vice president, engineering for the new firm.

His technical savvy and expertise contributed to his involvement in many "firsts" in the laser industry, including:

- The laser punch combination
- The laser and robot combination
- Flat bed sheet cutter
- Newspaper print plate and laser eblator
- Laser remote tuner
- Articulated Arm Delivery for Hi Power laser welding
- Laser Glass Separation Process
- Laser Paint Removal

- Automated Laser Alignment System™
- Remote Laser Alignment System™

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. Sprentall went on to attend Washtenaw College for Engineering.

Sprentall holds a Private Pilot's License. He is a member of AOPA, AEEEE, and is active at Oakland County Southwest Regional Airport – Y47.

Sprentall is a member of several industry associations, including: Laser Institute of America (LIA), American Welding Society (AWS), Society of Manufacturing Engineers (SME) and Fabricators and Manufacturers Association (FMA).

Sprentall also serves his community by volunteering in the Tanglewood Condominium Homeowner's Association as chairman of the Standard's Committee and a member of the Finance Committee.