Senior Applications Engineer

AMETEK, Inc. is a $4.7B global diversified manufacturer of electronic instruments and electromechanical devices.

AMETEK is well positioned in highly competitive market segments, each with compelling growth characteristics. We expect continued business growth through the execution of our four key strategies: Operational Excellence, Strategic Acquisitions, New Products, and Global & Market Expansion. Supporting those strategies are 17,000 associates employed across 30 countries.

At AMETEK, we are committed to a corporate culture that values diversity and fosters a work environment that enables colleagues to develop meaningful and rewarding careers. We consider ourselves responsible corporate citizens and are committed to operating our facilities in an environmentally responsible manner. We also are sensitive to the needs of our communities, and, as a company, support programs that help those communities meet their health, education and social needs.

AMETEK is publicly traded on the New York Stock Exchange (NYSE: AME) and a component of the S&P 500

Zygo Corporation is a global leader in the design and manufacture of advanced optical metrology systems and ultra-precise optical components and assemblies. Our mission is to enable customer success by delivering innovative precision optical and metrology solutions that exceed expectations. ZYGO is comprised of three major product groups:

1. Instruments - 3D Optical Profilers and Laser Interferometers
2. PPS - Nano Position Sensors
3. Optics - Precision Optical Components & Systems

Founded in 1970, and headquartered in Middlefield, Connecticut, ZYGO's global presence is supported by approximately 500 dedicated and highly-skilled individuals. ZYGO's competencies and success stem from the core values embedded in the DNA of the company – a passion for precision, an obsession with quality, integrity in customer relationships, and pride in everything we do.

Acquired by AMETEK in 2014, Zygo Corporation is part of AMETEK's Ultra Precision Technologies Division, a leader in the development of ultra precise measurement devices, precision machining systems, ophthalmic instruments, eye care diagnostic devices, optical lens manufacturing equipment, vibration cancellation systems, and advanced scanners used in reverse engineering, quality assurance and 3D printing.
This position reports to the Applications Group Manager. The Applications Engineer will work closely with ZYGO’s sales, marketing and engineering teams while interfacing with customers during pre- and post- sales activities. In this highly technical position you are expected to become an expert operator of ZYGO’s optical metrology instrumentation and have the ability to define the optimum solution to meet the specific requirements of a metrology application.

**KEY RESPONSIBILITIES**

- Become a key customer-facing technical resource through expertise with Zygo’s metrology instrumentation.
- Support the sales team through customer sample measurements, instrument demonstrations, and measurement reports.
- Perform onsite training of customers through individual visits as well as supporting trade shows, technical meetings, and conferences.
- Stay abreast of new industry developments, trends, and applications.
- Assess the performance of ZYGO products from a user’s point of view and provide feedback to support product development.
- Investigate new uses of ZYGO’s technology.
- Work closely with R+D and Engineering to communicate customer feedback, develop new product features, and troubleshoot issues.
- Create and/or review technical documentation and marketing collateral such as application notes, webinars, videos, and presentations.
- Other duties as assigned by manager.

**REQUIREMENTS FOR CONSIDERATION**

**Work Experience**
- B.S. Engineering, Physics, Optics or related field
- Experience (5-7 years) in technical role
- Knowledge and experience within the Electronics, Semiconductor, Optics, Aerospace, Defense, or Automotive industry
- Experience in a customer-facing product support role

**Technical Experience**
- Background within a technical specialty preferred
- Metrology experience within Automotive, Optics, Photonics, or Aerospace market an advantage
- Programming experience in Python, MATLAB, or related preferred
- Knowledge and experience of optical metrology systems strongly desired

**Communication Skills**
- Strong ability to communicate to sales, engineering, operations, and management teams on all levels (internal and external)
- Excellent written, verbal, and presentation skills

**Self-Motivated & Confident**
- Lead by example by demonstrating flexibility, tenacity, and drive in delivering objectives and ability to motivate others to do the same
- Knowledge and experience implementing best sales practices and tools
- Comfortable working in fast paced environment
- Effective time management skills

**Travel**
- Willing to travel up to 50%

**Team Player**
- Work with cross functional teams to deliver world class customer service during all parts of the buying process