Laser Welding Applications Engineer

Description

The Laser welding engineer will work with state of the art Fiber lasers and processing equipment to develop applications for high power Fiber lasers. The ideal applicant is a hands-on person who enjoys working in a fast-paced lab environment, developing laser process technologies for customers and in house projects using various beam delivery technologies, Industrial Robots and CNC systems. The role will be heavily involved in laser processing of materials with High power KW class lasers for welding, and other innovative laser metal joining processes. The candidate must have exposure to weld metallurgy and weld characterization of various ferrous and non-ferrous alloys. Work closely with customers and sales team to develop and manage assigned projects.

Duties:

• Develop, log and maintain Process recipes for laser welding of metals such as steels, Aluminum and Titanium alloys.
• Demonstrate and operate robotic and CNC welding cell for process development and customer samples.
• Develop innovative welding solutions, Investigate and analyze new materials and weld joints.
• Design custom welding Fixtures.
• Stays abreast of new welding technologies that have possible applications with company products.
• Support of engineering development activities, sales support and customer applications development.

Requirements

• Bachelor's degree in mechanical or welding engineering.
• 3+ years of experience in high power laser welding in an industrial environment preferred.
• Experience with SolidWorks, CAD/CAM, CNC, G-code programming.
• Experience with Fanuc and Kuka Robots is a Plus.
• Experience with metallographic equipment such as cutoff saws, mounting and polishing equipment.
• Strong technical writing skills.
• Strong interpersonal and project management skills with proven ability to mentor and inspire colleagues.
• Proficient use of Microsoft Office.
• Customer service focused skills, strong professional communications, and problem-solving abilities.
• Light travel required occasionally for tradeshows, conferences and trouble shooting at customer sites.

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