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Laser Source Selection for Microwelding Applications

Tuesday, June 25, 2019 1:00 PM - 2:00 PM EDT

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About This Webinar

This webinar will cover laser engine and beam delivery options for microwelding applications for a range of markets, including medical device manufacturing, automotive components, electronic leads, and batteries. Microwelding can generally be defined as weld penetration of <1 mm (0.040 in.) and weld width <1 mm (0.040 in.). Component size typically ranges from microscopic to hand-held.

There are a number of microwelding laser sources and techniques available today for the manufacturing engineer. This webinar will discuss the differences between the various laser sources and the manufacturing considerations to keep in mind when you select the best laser for your application from the different commercial options available today.

This webinar is sponsored by [Ophir](#), a company dedicated to continuous innovation in laser and LED measurement. For more than 40 years, Ophir's modular, customizable solutions have been serving manufacturing, medical, military, and research industries throughout the world.

About the presenter:

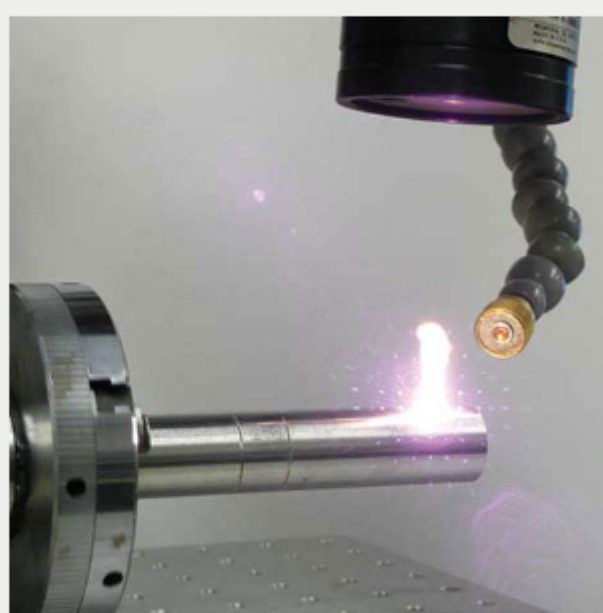
Mark Boyle, Ph.D., is product manager at Amada Miyachi America Inc. In this role, he and his team focus on the development and support of products for a wide range of technologies, including laser welding, resistance welding, microTIG welding, reflow soldering, laser marking, laser cutting, and laser micromachining.

Earlier in his career, Boyle worked on a range of laser-based applications using continuous-wave and pulsed fiber, diode-pumped solid-state (DPSS), and ultrafast lasers. He obtained a B.S. in physics from the University of Texas at Austin and holds a doctorate in physics, with the specialty of laser-matter interaction, from the Free University in Berlin, Germany. He is a member of the American Welding Society.

As a leader in microwelding processes, Amada Miyachi America provides equipment solutions for tab-to-cell and tab-to-buss bar welding manufacturing in the battery industry. Boyle and his team anticipate emerging trends and potential requests in this area for future process and product development.

Who should attend:

This webinar is for engineers looking to change from resistance welding or microTIG welding technologies and for any engineers and technical professionals who want to better understand the new laser sources that are available today.



Mark Your Calendar

Date: Tuesday, June 25, 2019

Time: 1:00 PM - 2:00 PM EDT

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