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WEBINARS

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Laser Machining: Dynamic Error Reduction via Galvo Compensation

Wednesday, October 28, 2020 1:00 PM - 2:00 PM EDT

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Presented by



.: About This Webinar

A common misconception is that high throughput infers higher speeds, but the real limitations are caused by higher accelerations. This webinar will cover 1) problems that arise in fixed-beam positioning (i.e., moving load) where the large moving mass of a system becomes a difficult problem to solve, and 2) how these challenges may be overcome with hybrid stage-scanner system architectures.

You will learn:

This webinar will provide insight into most dominant performance limitations in modern dynamic laser machining applications. You will also learn the advantages of using a galvo – including increased performance rates – made possible through the reduction of moving mass and increased frequency response. The presenter will offer an analysis of present error reductions and overall/systemic errors in these hybrid systems.

About the presenter:

Scott Schmidt is an applications engineering manager at Aerotech Inc., where he has gained 17 years of experience with advanced laser processing and micromachining. He holds a bachelor's degree in electrical engineering from Penn State University and a master's degree in electrical and computer engineering from the University of Massachusetts. He can be contacted at sschmidt@aerotech.com or +1 412-599-6483.

Who should attend:

Automation equipment engineers responsible for developing custom in-house tools for applications where off-the-shelf equipment is not adequate. Anyone responsible for sourcing outside OEM equipment or who works with custom machine providers for laser processing.

About Aerotech:

Whether welding, cutting, or surface texturing, you need to maintain quality output at high processing speeds. For more than 45 years, Aerotech has developed precision motion control and automation solutions that deliver the highest throughput possible. Using their well-equipped application lab, they can perform proof-of-concept motion testing before a machine is commissioned. Their unmatched expertise in precision motion control and laser processing reduces your risk.



.: Mark Your Calendar

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Windows® 7 or later, Mac OS® X 10.9 or later, Linux®, Google Chrome™ OS
Android™ OS 5 or later, iOS® 10 or later

Web Browser

Google Chrome™ (most recent 2 versions)
Mozilla Firefox® (most recent 2 versions)

Mobile Devices

Android™ 5 or later
iPhone® 4S or later
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