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Advancements in Precision Motion Control for Electro-Optical Manufacturing and Laser Materials Processing

Wednesday, January 22, 2020 1:00 PM - 2:00 PM EST

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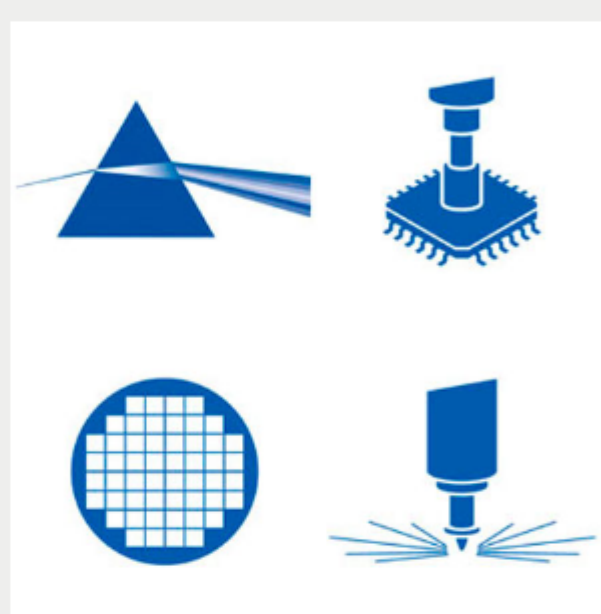
Presented by



About This Webinar

With a focus on high-throughput/high-yield positioning and microbotic solutions for leading-edge manufacturing, Scott Jordan and Matt Price from Physik Instrumente (PI) will present the latest advancements in software, control algorithms, and motion systems hardware available to design engineers and scientists in the laser processing, optics, and photonics industries. Examples will include:

- Laser processing of substrates with nonuniform topologies. The presenters will discuss hardware, software, algorithms, and system architecture to support the identification and integration of selectable process zones and methods to address defects in materials through both additive and subtractive processes.
- New, autonomous microbotic and precision-positioning solutions for fast optimization in the manufacture of silicon photonic, laser electro-optic, lidar, and imaging-optic assembly and test.



About the presenters:

Scott Jordan is head of photonics for PI and a PI fellow. A physicist with an MBA in finance/new ventures, Jordan has made multiple contributions to photonics alignment automation and precision motion control and optimization technologies.

Matt Price is a technical manager for PI, working in precision automation technologies for microfabrication and metrology. A physicist with a background in laser materials processing and characterization, he has contributed to the development of motion technologies to advance capability in these fields.

Who should attend:

Engineers and scientists who are working with optics, photonics, or laser processing applications and are looking to improve throughput and quality. If you need to develop a better process or higher-quality systems with a reliable partner that can support your business globally, you will benefit from this webinar.

About PI:

PI designs and manufactures high-performance motion systems at locations in the U.S., Europe, and Asia. Industries and fields of application that PI serves include silicon photonics wafer test, fiber alignment, laser processing, astronomy/aerospace, medical engineering, and big science projects. With over 40 years of experience developing standard and custom products based on piezoceramic and electromagnetic drives and more than 1300 employees in 13 countries, PI can quickly provide solutions for any positioning and automation project that requires high-precision motion control.

Mark Your Calendar

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Required: Windows® 10, 8, 7, Vista, XP or 2003 Server

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