

PHOTONICS

spectra®

WEBINARS

Join us for a **FREE Webinar**

How to Select a Precision Automation System for High-Volume Optical Alignment

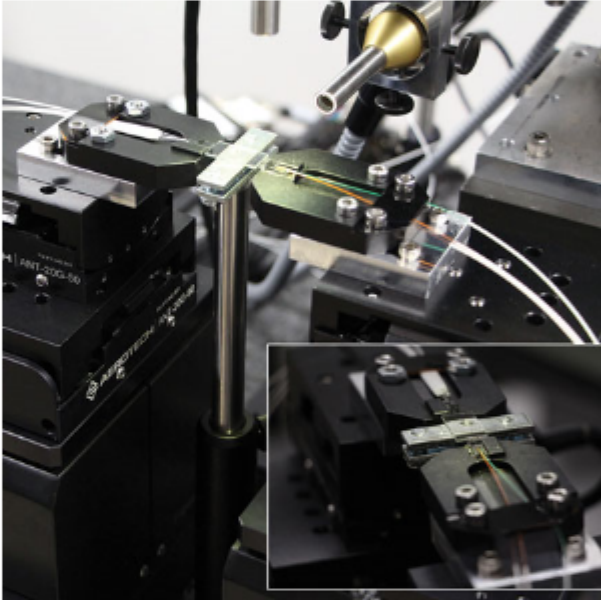
Thursday, May 8, 2025 1:00 PM - 2:00 PM EDT

Register Now

Presented by



Achieving submicron positioning in optical alignment applications is critical in the production of optical components and systems used in the consumer electronics, automotive, and defense industries. Precision motion control solutions, including direct-drive stages and hexapods, play a key role in optimizing active alignment processes and ensuring quality through repeatable results. However, selecting the right positioning system is not always easy. This webinar will provide a technical overview of six-degrees-of-freedom (6-DOF) positioning architectures and their effect on alignment quality. It will examine the role of active alignment algorithms and control systems on alignment quality and repeatability. Additionally, it will examine real-world case studies that highlight trade-offs between different motion control technologies and demonstrate strategies for maximizing throughput while maintaining alignment integrity. Designed for optical engineers, automation engineers, and manufacturing engineers, this webinar will equip attendees with the knowledge required to make informed decisions when specifying motion control solutions for optical alignment applications. Presented by [Aerotech Inc.](#)



Upcoming Webinars

- [Advancing Raman Spectroscopy by Using Bioresponsive Optical Nanomaterials](#), 5/7/2025 1:00:00 PM EDT
- [Terahertz TDS: The Pulse Driving Industrial Innovation](#), 5/28/2025 10:00:00 AM EDT

Archived Webinars

- [Multifunctional Metaoptics: From Science into Your Smartphones](#)
- [FLIR MX – A Breakthrough in Infrared and Visible Imaging](#)
- [Introduction to Imaging Radiometry and FLIR Research Studio](#)

Don't miss out!

[Sign up for our Webinar Alerts email today and never miss an upcoming event.](#)

We respect your time and privacy. You are receiving this email because you are a Photonics Spectra magazine subscriber. You may use the links below to manage your subscriptions or contact us.

Questions: info@photonics.com

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949
© 1996 - 2025 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.