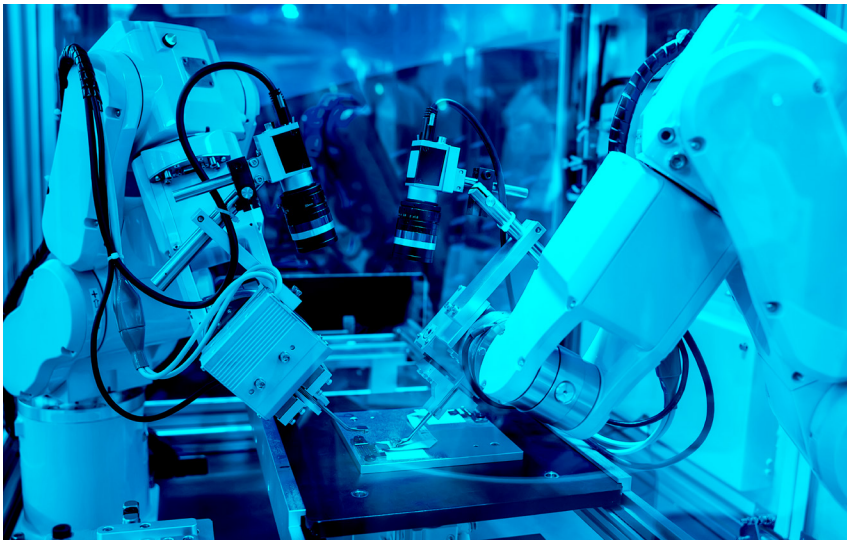
AMIIC



BASICS OF OPTICAL MEASUREMENT

WHO IS THIS CLASS FOR?

Organizations in the Aerospace, Defense, Electronics, Medical, Energy, Automotive, Architectural industries and more.

HOW CAN I APPLY THIS OPTICAL MEASUREMENT KNOWLEDGE TO MY SKILL SET?

Participants can apply their knowledge in areas of reverse engineering, quality testing and inspection, automation, inspection and analysis of additive manufactured parts, strain analysis, high-speed impact analysis, fit checks and vendor verification, test setup and validation, wear and ablation analysis, digital archiving, and more.

WHAT ARE THE BENEFITS OF OPTICAL MEASUREMENT?

Optical measurement can be used for:

- non-contact measurements
- high-precision quality control
- increased manufacturing efficiency due to in-process measurements
- reduced response times in quality management
- ease of learning and use
- wide range of measurement tools
- incredibly scalable for a wide range of part/assembly sizes.

COURSE LEARNING OBJECTIVES:

- Understand the types of optical measurement tools, their applications, data output types, and post-processing techniques
- Understand the basics of 3D inspection techniques and uses of measurement tools for inspection
- Describe key features and benefits of digital assemblies and digital twins
- Apply basic data capture techniques using optical measurement systems and tools
- Describe system calibration process and importance
- Describe basics of the reverse engineering process

PRICING:

Individual: $300 per person
Group Discount: 10% for 10+ attendees
Contracted option: $4,000 for up to 15 attendees

DELIVERY: In-person at AMIIC

DURATION: 8-hour; lunch is included

For more information, visit amiic.us.