

UCC Server Advanced

DESCRIPTION

The course will thoroughly cover UCC server.

LEARNING OBJECTIVES

- Navigate UCC server and understand the interface with the CMM
- Importance and editing of the Ref Tool
- Locating, editing, and assigning calibration sphere(s)
- Building and qualifying probes and creating new angles
- Creating calibration programs
- Hardware specific protocols (PH10, PH20, REVO, etc.)
- Rack location and editing
- Importing and exporting of environments and equipment
- Customizing probes

PREREQUISITES

Basic familiarity with UCC Server

INCLUDED IN THE TRAINING:

- 8 hours of instructions and exercises
- Certificate of Attendance

COURSE OUTLINE

Day 1

- Intro to UCC Server
- Editing the Ref Tool
- Lab – Ref Tool
- Calibration sphere modification and angling
- Assigning Calibration sphere to tip angles
- Lab – Calibration spheres
- Building a tool
- Qualifying a tool
- Creating additional probe rotations
- Lab – Building a viable probe and qualifying multiple angles



- Probe qualification program creation
- Understanding a .DME file
- Lab – writing a qualification program and editing
- Rack locating
- Rack editing
- Port delta modifications and purpose
- Lab – Racks
- Importing and exporting environments and equipment
- Customizing probes
- Lab – creating a customized probe and exporting it to another machine.

MEET THE INSTRUCTOR

Rob Bushong, your training instructor, brings 12 years of expertise in dimensional inspection services, along with an additional 10 years in various manufacturing sectors. He has extensive hands-on experience with technical drawings and measured parts across diverse industries such as precision machining, injection molding, stamping, and casting. Rob is also skilled in measurement data analysis, working with both rigid and non-rigid parts of various shapes and sizes, including standard geometries and free-form surfaces. He holds AUKOM Metrologist and GD&T Senior certifications and is well-versed in GD&T concepts. Notably, Rob successfully completed his GDTP Senior certification exam in June 2025 (S09-18996).

