

Calypso Operator Course

DESCRIPTION

The course will cover the fundamentals of operating Calypso software.

LEARNING OBJECTIVES

- Learn how to start the CMM and Calypso
- Understand Calypso graphical interface
- Learn how to assemble and qualify sensors
- Learn how to align and measure parts on a CMM
- Learn different ways to report measurements in Calypso
- Learn how to create and execute a simple program with Calypso

PREREQUISITES

Technical Print Reading and GD&T courses are recommended or ability to read and understand technical drawings.

INCLUDED IN THE TRAINING:

- 3 days (24 hours) of instructions and exercises
- Certificate of Attendance

COURSE OUTLINE

Day 1

- Introduction to coordinate metrology
- CMM startup and shut down procedures
- Maintenance of a CMM
- Identifying common issues with CMM
- Navigating through User Interface
- Importance of the Calypso Log-in system
- Building and Qualifying Tools
- Adding/Editing Qualification Artifact
- Adding/Editing Racks
- Different types of CMM Heads and sensors
- Hands-on exercises

Day 2

- Measuring features manually



- Constructions
- Alignments
 - ✓ Alignment theory, 6 degrees of freedom
 - ✓ Types of alignments
 - ✓ Datum order of precedence
- Reporting results
 - ✓ Using GD&T
- Hands-on exercises

Day 3

- Executing prebuilt programs in Calypso
 - ✓ Set-up instructions
 - ✓ Program-launch menu.
 - Settings and understandings.
 - Sensor move parameters
 - Collision avoidance and clearance plane usage
 - ✓ Measuring additional features within a pre-built program
 - ✓ Running selections of programs as needed
 - ✓ Creating Mini-Plans
- Questions, answers, and further hands-on exercises.

MEET THE INSTRUCTOR

Your training instructor, Rob Bushong, has 10 years of experience in dimensional inspection service, and 10 more in various realms of manufacturing including assembly, injection molding, and product launch processes. Rob not only has practical experience working with drawings and measured parts from a wide range of industries such as precision machining, injection molding, stamping, casting, but also has worked directly with the data after it has been collected. He's worked with rigid and non-rigid parts of all shapes and sizes, parts with standard geometry and free-form surfaces. Rob is an AUKOM certified metrologist and is fluent with GD&T concepts having taken multiple courses and working with drawings every day.

