

Calypso Programmer Course

DESCRIPTION

The course will cover the fundamentals of programming Calypso software.

LEARNING OBJECTIVES

- Learn how import a CAD model and manipulate it for programming
- Learn feature extraction and construction with and without the CAD model
- Learn about the clearance cube and respective clearance planes
- Learn how to utilize different alignments per part blueprint
- Learn different ways to report measurements in 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 Calypso
- Building and qualifying tools
- Programming without CAD
- Clearance Cube use
- Probe settings for features
- Measurement strategies
- Alignments
 - ✓ Alignment theory, 6 degrees of freedom
 - ✓ Types of alignments
 - ✓ Datum order of precedence

- Hands on exercises

Day 2

- CAD importing
- CAD manipulation



- Programming with CAD
- Feature extraction
- Hands-on exercises

Day 3

- Feature evaluations
- Filters and outliers
- Construction strategies
- Basic formula usage
- Program optimization
- Building a report
 - ✓ Using GD&T
 - ✓ Graphical reporting
- 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.

