

CALYPSO System Operator Training Agenda

- ❖ *This training course is intended for students with experience in quality control and with a basic knowledge of computers, blueprint reading and geometric dimensioning and tolerancing.*

Section 1 (4hrs)

Hardware Overview

- Turning on System
- Loading CALYPSO/Homing CMM
- Joystick
- Sensors (Scanning & Probing)

REFERENCE 1: Joystick Layout Pg 35

REFERENCE 2: Sensor Types Pg 15

Software Overview

- Stoplight/Status Bar
- Layout of Menu/Task Bar, CAD Window, & Measurement Plan
- Software Settings
- New/Save/Load & Window Function

REFERENCE 3: Layout Pgs 38-39

Probes

- Reference Sphere
- Probe Qualification
- Creating a New Probe
- Creation of RDS Angles/RCCAA (if applicable)
- Stylus System Management
- Probe Rack Locating & Management

REFERENCE 4: Principle of Qualification Pg 8

REFERENCE 5: Define Holder Rack & Store Pg 13

Section 2 (4hrs)

Routine Execution/Run Window

- Manual/Current/Base Alignment
- Current/Selected/Mini Plan
- Run Features/Characteristics

REFERENCE 8: Handling Characteristics & Features Pg 67

Additional Operator Topics

- Loading Parts into Fixture
- Checking where if/when program crashes/stops
- AutoRun and Pallet Creation
- Quick Feature Checks
- Revisit of Previous Topics if Needed & Additional Questions

General Good CMM Practices

- Keep Probing Head off Limits of CMM
- Maintain Organized CMM Stage to Reduce Collision w/ Unused Fixtures
- Periodically Clean tips of Probes and Qualification Sphere to improve Accuracy
- CMM Probe Qualification Frequency