155 Prairie Lake Rd, Suite A
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CALYPSO System 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.*
- *This syllabus refers to pages from the Calypso Training Workbook.*
- *Based on the acknowledgment and Instructor's recommendation, Prymetech with issue TRAINING CERTIFICATES confirming satisfactory class completion.*

Section 1 (4hrs)

Hardware Overview

- Turning on System
- Loading CALYPSO
- Joystick — **REFERENCE 1: Joystick Layout Pg 35**
- Sensors (Scanning & Probing) — **REFERENCE 2: Sensor Types Pg 15**

Software Overview

- Network Discussion (if applicable)
- Layout — **REFERENCE 3: Layout Pgs 38-39**
  - Menu Bar
  - Task Bar
  - Measurement Plan Symbols
  - Measurement Plan
  - CAD Window
  - CAD Symbols

Probes

- Probe Qualification — **REFERENCE 4: Principle of Qualification Pg 8**
- Probe Changers (if applicable) — **REFERENCE 5: Define Hldr Rack & Store Pg 13**

Section 2 (4hrs)

Measuring Features Manually (without CAD)

- Features vs Characteristics
- Measuring a Point (manual)
- Measuring a Line (manual)
- Measuring a Plane (manual)
- Measuring 3D Features (manual)

Base Alignments & Clearance Planes

- Alignment Overview — **REFERENCE 6: Base Alignment Pg 51**
- Importing CAD Models (if applicable)
  - Changing Display Colors
  - Moving Coordinate System
- Aligning CAD Models (if applicable)
- CNC RUN: Manual Alignment vs Current Alignment — **REFERENCE 7: CNC Run Pg 67**
- Strategies (Path Planning) — **REFERENCE 8: Travel Paths Pg 72**

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Section 3 (4hrs)

CAD Programming — **REFERENCE 9: CAD Functions 106-107**

- Load Model
- Rotating Model
- Magnifying Model
- Extracting Features
  - Points
  - Lines
  - Circles
  - Planes
  - Spheres
  - Cones
- Default Settings

Routine Execution

- Fixturing/Stabilizing Part
- Saving Program / Recalling Program
- DCC Mode
- Example Program with Demo Block
- Executing Program

Constructing & Tolerancing Features

- When to Construct Features Discussion
- Construction Techniques — **REFERENCE 10: Constructions Pgs 114-118**
  - Intersection
  - Symmetry
  - Perpendicular
  - Recall
  - Cone to Plane Intersection — **REFERENCE 11: Intersections on a Cone Pg 128**
- Form & Location Options
- Tolerancing Characteristics

Section 4 (4hrs)

Output Options

- Manipulation of Results
  - Printing Results — **REFERENCE 12: Records Pgs 140-142**
  - Saving Results to File
  - Graphics Plots
- Third Party Programs Discussion
  - Stats Option

Application Specific

- Fixturing Options/Suggestions for Customer Parts
- Creating Practice Routines on Customer Parts

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