

ZEISS Inspect 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.
- ❖ Based on the acknowledgment and Instructor's recommendation, Prymetech will issue TRAINING CERTIFICATES confirming satisfactory class completion.

Section 1 (4hrs)

Hardware Overview

- Setting Up System
- Loading ZEISS Inspect
- Calibration
- Sensors (Swapping Lenses)

Software Overview

- Network Discussion (if applicable)
- Layout
 - Menu Bar
 - Task Bar
 - Measurement Plan
 - CAD Window
- Software Settings

Scanning

- Placing Positional Targets
- Basic Scanning w/ Scanning Templates
- PreAlignments & Manual Alignments
- Surface Comparisons

Section 2 (4hrs)

Measuring Features Manually (without CAD)

- Nominal Elements vs Actual Elements vs Inspection
- Measuring a Point (manual)
- Measuring a Line (manual)
- Measuring a Plane (manual)
- Measuring 3D Features (manual)

Base Alignments

- Alignment Overview
- Measuring Principles (Measurement Strategies)

Routine Execution

- Project Templates
- Recalculating Project

ZEISS Inspect System Training Agenda

Section 3 (4hrs)

CAD Programming

- Importing CAD Models
 - Changing Display Colors
 - Moving Coordinate System
- Rotating and Aligning CAD Model
- Magnifying Model
- Extracting Features
- CAD Strategies
- Default Settings

Constructing & Tolerancing Features

- When to Construct Features Discussion
- Construction Techniques
 - Intersection
 - Symmetry
 - Recall
 - Cone Calculations
 - Cone to Plane Intersection
- Form & Location Options
- Tolerancing Characteristics

Section 4 (4hrs)

Output Options

- Manipulation of Results
 - Creating Reports
 - Custom Report Templates
 - Saving Results to File (PDF, Excel)
 - Graphics Plots

Application Specific

- Fixturing Options/Suggestions for Customer Parts
- Creating Practice Routines on Customer Parts
- Revisit of Previous Topics if Needed
- Advanced programming methods (if time allows)