



Training Schedule CALYPSO 1 Basic Training

Company:

Name:

First name:

Prerequisites:

- Understanding of geometric structures
- Basics of Coordinate Measuring Machine operation
- Ability to read drawings with tolerances
- Basic knowledge of metrology
- Basic computer skills - Windows
- Reading our measurement manual, a brochure as an introduction

This class:

- Calypso Basic - Monday through Thursday - 4 day course with optional self-study time on Friday
- Class time 9:30 am - 4:30 pm, SGT
- Breaks: 10:30 - 10:45, lunch 12:30 - 1:30pm
2:45 - 3:00
- Provides class-relevant documentation

Day 1

comprehension

Information about

- Training schedule
- Training content

Introduction

- Training concept, content of seminar
- Coordinate Measuring Machines (CMMs)
- Probe heads
- Styli
- Starting CMM and Calypso
- Features and Characteristics

Sensors

😊 😐 😞

- Qualifying Styli
- Reference Sphere
- Master probe
- Stylus System and Styli
- Tensor, Standard and manual qualification
- Manual / automatic stylus change
- Qualify the stylus systems afterwards

Day 2

comprehension

Feature and Characteristic

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- Learn about features
- Capturing features

Alignment and first plan

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- Base Alignment and Clearance Planes on the training cube
- Temperature compensation
- Diameter bore hole
- Measuring strategies in CALYPSO
- Scanning features

- Local feature coordinate system
- Base Alignment and Clearance Planes on the connecting rod
- Base Alignment and Clearance Planes on the shaft
- Base Alignment and Clearance Planes on the housing
- Base Alignment manually
- Rotate and displace Base Alignment
- Rotate Base Alignment to a bore center



Day 3		comprehension
Features and Characteristics ☺ ☹ ☹		☺ ☹ ☹
<input type="checkbox"/> Measuring strategy: constructions		<input type="checkbox"/> Evaluation with Filtering and Outlier elimination
<input type="checkbox"/> Travel pathes into a slot		<input type="checkbox"/> Projected angles of a bore
<input type="checkbox"/> Measuring strategy: circle with gap		<input type="checkbox"/> Printout
<input type="checkbox"/> Start angle and rotation sense		<input type="checkbox"/> Recalls
<input type="checkbox"/> Defining evaluation methods		<input type="checkbox"/> Point
Working with the cookbook and CALYPSO ☺ ☹ ☹		Mixed Tasks ☺ ☹ ☹
<input type="checkbox"/> Task relateded measurement and evaluation		<input type="checkbox"/> Distances in CALYPSO
<input type="checkbox"/> Flatness of a plane		<input type="checkbox"/> Diameterof a circ. bore pattern
<input type="checkbox"/> Planes and angles		<input type="checkbox"/> Coaxiality
		<input type="checkbox"/> True position
		<input type="checkbox"/> Evaluations on a cone
		<input type="checkbox"/> Recording

Day 4		comprehension
CAD Programming ☺ ☹ ☹		☺ ☹ ☹
<input type="checkbox"/> Load a CAD model		<input type="checkbox"/> Multiple Printout
<input type="checkbox"/> Offline or CAD programming		<input type="checkbox"/> Header modification
<input type="checkbox"/> CAD Functions		<input type="checkbox"/> Select printout, recheck printout
<input type="checkbox"/> Working on the CAD		<input type="checkbox"/> Results file
<input type="checkbox"/> Joystick box functions		<input type="checkbox"/> Save results in a file
		<input type="checkbox"/> Classic Records: Custom printout, ...