Virtual Introduction

SpatialAnalyzer

Instructors

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Featured Topics

FUNDAMENTALS
Discuss SA's architecture and nomenclature.
Explore the workspace.
File organization.

MEASUREMENT
Tooling definitions.
Interface with instruments.
Instrument toolbars.
Measurement profiles.
Drift checks.
Watch windows.

SCANNING
Point clouds.
Align Cloud to CAD.
Basic Analysis.

INSTRUMENT ALIGNMENT
Best-fit transformation.
Frame Wizard.
Quick align to CAD.
Measure nominals.
Basic relationship fit.
Nominal geometry relationships.

WORKING WITH CAD
Import models.
Reverse surfaces.
Create objects from surfaces.
Compare to measured data.

BASIC REPORTING
Vector Groups.
Dimensioning.
Callouts.
Report generation.
PDF output.

Course Information

Description. This is an introductory course that provides an overview of NRK's SpatialAnalyzer software as a tool for performing common measurement, analysis, and reporting tasks in today's modern portable metrology industry. It is the first course for exploring techniques using SA for common metrology duties such as measurement, alignment, real-time build, inspection, geometric analysis, and reporting.

Duration. Three days.

Prerequisites. This course assumes no prior knowlege or experience with SA, but does assume some rudimentary knowledge of geometry and basic portable metrology principles.

Organization. This is a virtual lecture-lab in which topics are presented and demonstrated by the instructor, then practiced individually by the student. Virtual lab exercises, help to reinforce the material.