

Featured Topics

FUNDAMENTALS

Toolkit tab breakdown.
Use with Instrument Toolbar.
Advantages of using the Toolkit.

GD&T

Basics of building annotations.
Feature types.
Datums and datums targets.
Feature checks.
Dimension tolerances.
Annotation properties.
Feature check properties.
Inspection design.

RELATIONSHIPS

Geometry relationships.
Compare to nominal.
“Other” relationships.
Relationship properties.

INSPECTION

Instrument alignment.
Measurement trapping.
“Sweeping” measurements.
Sweep and move.

ANALYSIS

Visualization.
Construction.
Fitting.
Uncertainty.
Scaling.

REPORTING

Creating a report.
Dimensions.
Callouts.

Course Information

Description. This course is solely focused on the streamlined toolbar, known as the SA Toolkit, that provides access to a subset of the most powerful tools in SA. The SA Toolkit contains five tabs which can be used for fast and effective feature inspection. These tabs include the functionality to build GD&T annotations, enable one-click definition of features (either defined by CAD or primitive geometry), design and perform inspection routines, as well as create reports, dimensions, and callouts.

Duration. One day.

Prerequisites. None.

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