



#### INTRODUCTION TO POLYWORKS

- Workspace Manager
- Basic Options
- File and Project Structures
- PolyWorks License Manager

#### INTRODUCTION TO POLYWORKS | INSPECTOR

- User Interface
- Basic Options
- Visual Layout

#### BASIC WORKFLOW

- Probing Features
- Probing Point Clouds
- Creating Report Tables
- Taking Snapshot
- Create Formatted Report

#### MANAGING REFERENCE AND DATA OBJECTS

- Importing References
- Managing Reference Objects
- CAD Tolerances



#### FEATURE CREATION

- Creating Nominals from CAD
- Probing Parameters and Measuring by Probing

#### GEOMETRY CONTROLS

- Dimensional Controls
- Geometric Dimensioning & Tolerancing (GD&T) Controls
- Control Templates

#### FEATURE BASED MEASUREMENTS, ADDITIONAL FEATURES AND ANNOTATIONS

- Distance & Angle Features
- Surface, Patterns and Slab Features
- Displaying and Editing Annotations

#### FEATURE BASED AND DATUM REFERENCE FRAME ALIGNMENTS

- Planes, Axes, Center Point (3-2-1)
- Best-Fit Measurement Objects
- Perpendicular Planes
- Datum Reference Frame Alignment
- Using Alignment Groups and reverting to previous alignments

#### REFERENCE TARGETS ALIGNMENTS

- Creating and aligning using Surface Reference Target Points
- Creating and aligning using Feature Reference Target Points

#### PROBING POINT CLOUDS, BEST-FIT AND COLOUR MAPS

- Probe Surface Point Clouds
- Align Using Best-Fit Data to Reference Objects
- Create Data Colour Maps

#### PROBING CROSS-SECTIONS

- Creating and viewing Standard Cross-Sections
- Creating and viewing Section View Cross-Sections





#### PROBING COMPARISON POINTS

- Creating Surface Comparison Points
- Creating Trimmed and Hemmed Edge Comparison Points
- Creating Cross-Sectional and Polyline Comparison Points

#### COORDINATE SYSTEMS

- Creating and managing Coordinate Systems

#### MULTIPLE DEVICE POSITIONS

- Probing targets, move device, then re-probe targets to lock back in

#### REPORTING

- Control Reviewer
- Creating Report Items: Snapshots, Tables and Additional Report Items
- Creating and Compiling Formatted Reports

#### MULTIPLE PIECE INSPECTION

- Multiple inspections in one project
- Statistical Process Control (SPC)

#### POLYWORKS | REVIEWER

- Free Project Viewer

\*\*\* ADDITIONAL MEASUREMENT TOPICS\*\*\*

#### OFFLINE SIMULATION & SEQUENCE EDITOR

- How to create complete inspection programs offline without a device or parts
- How to rearrange the sequence or measurements and further programming of inspection projects

#### NEW PIECE TEMPLATES

- Creating and Managing New Piece Templates



#### BASIC, 2D FEATURE AND CUSTOM MEASUREMENTS

- Picking on 3D or 2D points to measure between
- Measuring 2D Cross-Sections Features
- Creating Custom Numerical or Quantitative Measurements

#### FLUSH & GAP GAUGES

- Measured between 2 models
- Alignment using Flush & Gap Gauges

#### PROFILE GAUGES

- One or Two radii measurements

#### SURFACE POINT ALIGNMENTS

- Pre-alignment using 6 surface points

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