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
DEVICE POSITION MOVES
- Device Position Moves Using Targets
- Device Position Moves Using Best-Fit

FEATURE CREATION
- Creating Nominals from CAD or Polygonal Models
- Creating Measured by Probing
- Creating Measured from Polygonal or Point Cloud Models

FEATURE EXTRACTION
- Setting up Feature Properties to Extract the Measured from the Nominals

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
### DATA COLOUR MAPS AND POINT ANNOTATIONS
- Displaying Deviation between the Data and Reference Objects, Feature Primitives or other Data
- Customizing the Colour map and Enhanced Colouring
- Picking points on model for error annotation readings

### CROSS-SECTIONS
- Creating and viewing Standard Cross-Sections
- Creating and viewing Offset Cross-Sections
- Creating and viewing Section View Cross-Sections

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

### 3D AND 2D CALIPERS
- Creating Standard and Cross-Section Calipers
- Single Axis or Offset Axes (depth gauge)

### COORDINATE SYSTEMS
- Creating and managing Coordinate Systems

### 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 ***

<table>
<thead>
<tr>
<th><strong>OFFLINE SIMULATION &amp; SEQUENCE EDITOR</strong></th>
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<tbody>
<tr>
<td>- How to create complete inspection programs offline without a device or parts</td>
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<td>- How to rearrange the sequence or measurements and further programming of inspection projects</td>
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<th><strong>NEW PIECE TEMPLATES</strong></th>
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<td>- Creating and Managing New Piece Templates</td>
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<th><strong>BASIC, 2D FEATURE AND CUSTOM MEASUREMENTS</strong></th>
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<td>- Picking on 3D or 2D points to measure between</td>
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<td>- Measuring 2D Cross-Sections Features</td>
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<td>- Creating Custom Numerical or Quantitative Measurements</td>
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<th><strong>FLUSH &amp; GAP GAUGES</strong></th>
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<tr>
<td>- Measured between 2 models</td>
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<tr>
<td>- Alignment using Flush &amp; Gap Gauges</td>
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<th><strong>PROFILE GAUGES</strong></th>
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<td>- One or Two radii measurements</td>
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<th><strong>VOLUME MEASUREMENTS</strong></th>
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<td>- Measuring Data or Plane or Data to Data</td>
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<th><strong>SURFACE DATA SPC AND CREATING DEVIATION MODELS</strong></th>
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<tr>
<td>- Deviation Colour Map of Multiple Data Models</td>
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<td>- Creating Deviation Models as Point Clouds or Polygon Models</td>
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### *** ADDITIONAL AIRFOIL GAUGE MODULE ***

#### ALIGNING AIRFOIL BLADES
- 6 Point Nest
- Datum Reference Frame Alignment

#### AIRFOIL GAUGES
- Creating Airfoil gauges and Best Fit and Cross sections