# AXEL 72D

Inspection software for Optical Projectors



**Optical Projector** 

Axel 72D

www.axelsystems.com

#### ADVANCED FEATURES MAKE AXEL EASY TO USE



# Key features

- Office Ribbon User Interface Work smarter and faster with intuitive graphics interface.
- Geometric Features full range of geometric inspection features.
- Multiple Datum multiple datum systems and extensive alignment options with graphical representation in the Measure Window.
- Geometric Dimensioning and Tolerancing.
- Constructions Intelligent context-sensitive constructions.
- User Results Calculated results from user defined formulas
- □ **Reverse Engineering** features to reverse engineer parts with export to CAD packages.
- Go-Mode Automatic Feature List program creation for repetitive running of inspection routines with user defined messages.
- □ Feature Guide Go mode feature to guide to last measured positions in order to increase repeatability of inspection.
- CAD Import/Export Import CAD data to create part programs and extract dimensions and Export in CAD format.
- Results Reporting User configurable, fully featured text and graphical Report Generator.
- EXCEL/HTML templates Export results to MS Excel and HTML
- □ Historical & SPC Pipe Wizard software allows multiple datums so that extra features can be displayed with respect to other datum on the tube assembly.



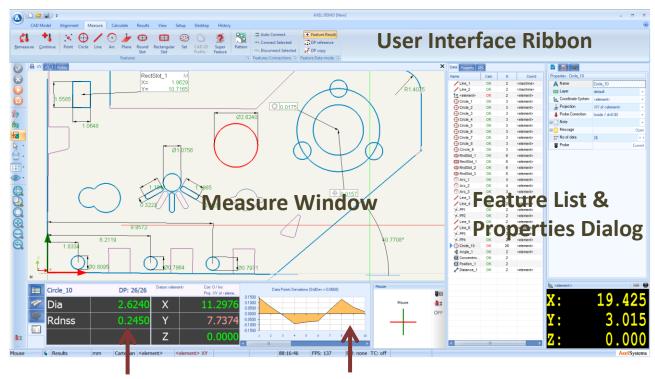
#### **Results Window**



#### **Tolerances Input Table**

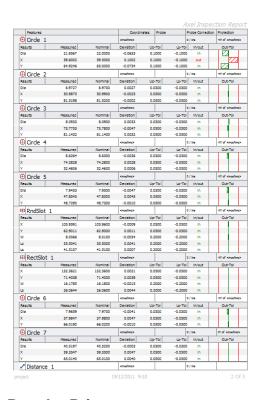


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**Results Window** 

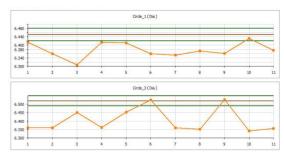
Feature Deviations Graph



**Results Printout** 



#### Historical results



**Charts** 

## Axel 7 2D Applications

**Axel 7 2D windows software** works with optical projectors (optical comparators). It has been designed to compliment and enhance features found on DROs (Digital Readout Units) normally found with optical projectors. It interfaces with DRO via serial link or USB. The data points are gathered with the footswitch or automatically with Edge Detector if available.

### Why use it with Optical Projector?

**User Interface** – Work faster and smarter with intuitive user interface. Our already successful interface of tabs has been enhanced with Ribbon to accelerate the workflow. The Measure Window shows the graphical representation of measuring stage.

**Measurement** – Multiple coordinate systems and extensive alignment options galleries with graphical representation in the Measure Window are available. You will always know which way axes are pointing and where origin is when looking at Measure Window. Standard set of 2D geometrical features is provided together with full **geometrical tolerancing**.

**Reporting** – Fully featured text and graphical reports are generated by simply choosing what to show in the report. Graphical dimensional results boxes or dimensions are show in the Measure Window. Results may be shown in Excel and HTML formats. Customizable templates to display great looking reports in Excel/HTML are provided. Results may also be sent to other applications via Auto-Link feature.

**Historical Results & SPC** – The batch inspection results are stored for historical and SPC analysis. Using the History feature, the results can be displayed as programmable charts, SPC data or grouped by part or individual features.

**CAD Import/Export** – CAD data can be imported into Axel to create part programs and to define part nominal dimensions. The inspection results and Reverse Engineering data are exported in CAD formats.

**Reverse Engineering Capability** – SET feature is used for Reverse Engineering. Additional features enhance part profile collection.

For more information, visit www.axelsystems.com

# **Axel**Systems

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