PowerINSPECT

PowerINSPECT 3.05 is the world's most powerful inspection and reverse-engineering software, with functionality designed to save you time and money!

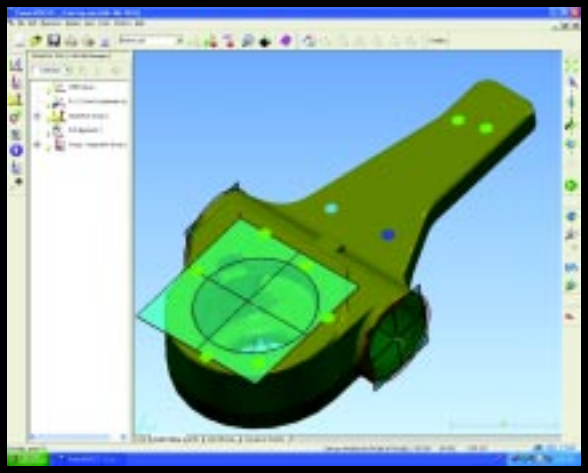
PowerINSPECT compares a part or tool against a 3D CAD model, highlighting discrepancies using color-coded graphics for immediate validation of each data point. The CAD file size is only limited by data storage.

PowerINSPECT also inspects parts or tools or conducts reverse-engineering without a CAD file.

Powerful inspection tools include: guided measurement to inspect predefined sites, support of NURBS and trimmed-surfaces geometry, easy setup using plane/line/point (PLP) where datums are accessible, or free form fit leading to optimized best fit when there are no datums.

Reverse-engineering allows creation of section cuts generating 3D curves. Geometric shapes can be created and exported in IGES format.

PowerINSPECT utilizes powerful reporting capabilities with automatic generation of customized Microsoft Excel® reports.



PowerINSPECT makes it easy for operators to visualize a part with shaded view rendering and colored data points ("confetti") showing tolerance values.

NEW! **Supports the world's ONLY *Real-Time* laser scanning inspection** via the optional, seamlessly-integrated Point-Cloud add-on feature.

NEW! **Geometric Multi-Measure** enables measurement of as many geometric elements of the same type as desired, one after the other, without having to create the elements first.

NEW! **Repositioning the Inspection Device / Part** allows moving the part and/or the measuring device without losing the alignment. This enables inspection of both sides of a part in a single inspection session.

Expanded Geometry Explorer allows users to extract nominal data off a CAD file and create a measurement item, saving time and the tedium of typing in nominals and features.

GD&T wizard includes true position, perpendicularity, angularity, parallelism and concentricity. An interface guides users through the inspection process.

Powerful automation ability via PowerINSPECT's open architecture enables repetitive tasks or part programming to be automated by easily-created macros or scripts.

Auto recovery feature prevents data loss due to unexpected shutdown.

Torus entity measurement allows operators to measure items such as steering wheels, seals, o-rings or tube bend radii.

Shaded geometric features allows viewing of geometric entities and edge inspection results in a shaded view.

Confetti on shaded view makes for easier visualization of points on complex parts.

Interactive selection of confetti in CAD view allows identification of points in the sequence tree or deletion of specific inspection results.

Available translators: VDA, IGES, CATIA, CADDS, SET, UNISURF, VDAFS, PARASOLIDS, PRO ENGINEER, STEP, UNIGRAPHICS, SOLIDWORKS and direct STL. The translators are easily accessible through a drop-down menu.

PTB

PTB Certification: PowerINSPECT 3.05 is accredited by the Physikalisch-Technische Bundesanstalt (PTB) Berlin. This national institute of engineering sciences is the highest technical authority for metrology and physical safety engineering of the Federal Republic of Germany.

PTB Certification is accepted worldwide. PTB compares its standards with those of other nations to maintain "constant and critical" assessment at the top levels of metrology, ensuring comparability and reliability of measurement results throughout the world.

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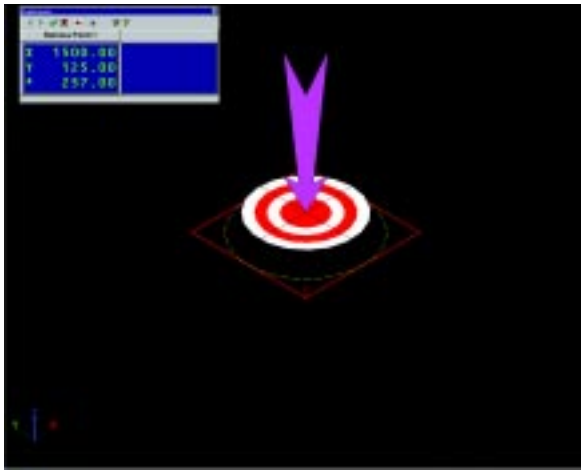
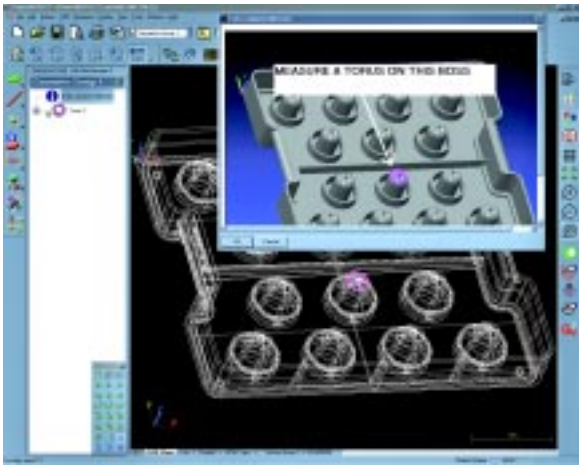
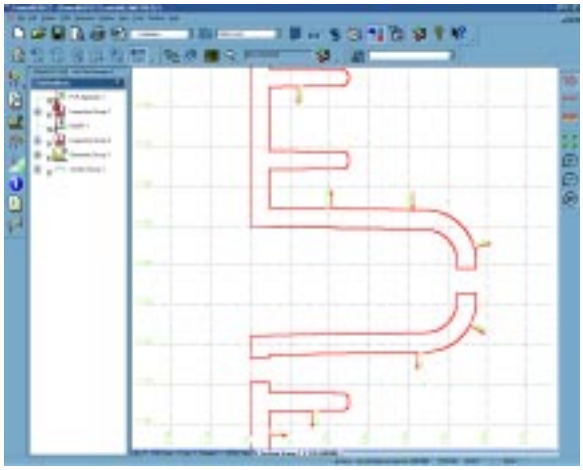


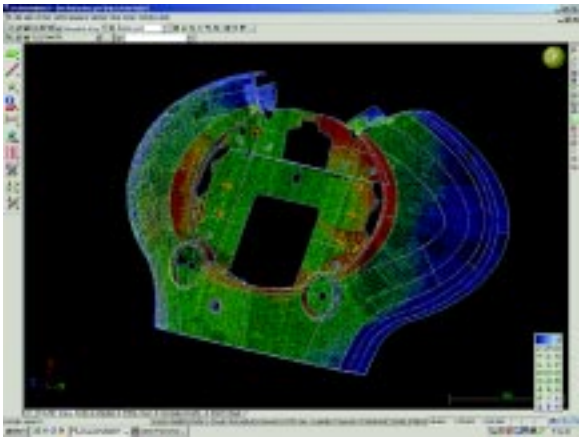
Guided measurement ensures the operator brings the probe to the desired measuring point every time.



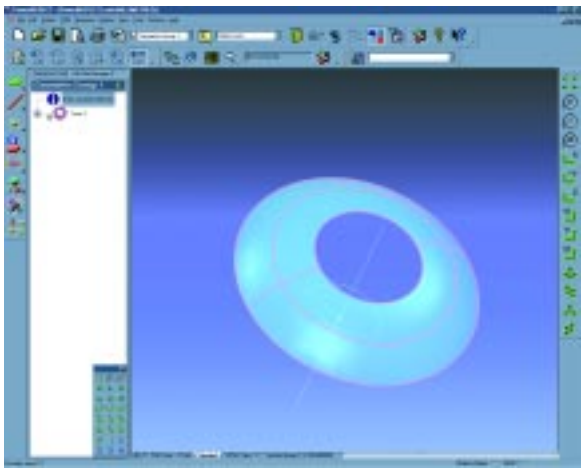
Users may create detailed graphical prompts to communicate with other users.



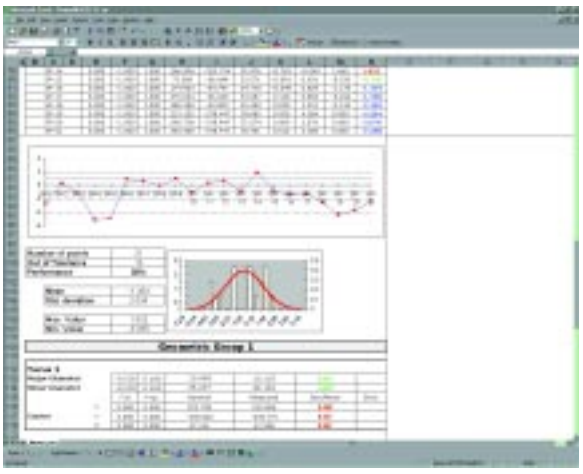
Easily inspect the profile of a part and display the section cut quickly.



Generate a color "weathermap" using PowerINSPECT's optional point-cloud interface for rapid inspection of complex parts.



The torus entity measurement feature allows easy measurement of objects such as o-rings, steering wheels and other toroidal objects.



Easy-to-read, easy-to-produce reports in Microsoft Excel® ensures universal compatibility up and down the supply chain.

Version B

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