

Inspection for the SolidWorks® Designer

INSPECTWorks™

Powered by **RAPIDFORM** Technology

Quickly check part or prototype quality inside SolidWorks® using a 3D scanner

The Rapidform®-powered InspectWorks™ is the world's first third party SolidWorks add-in for quick, first-article inspection from 3D scan data. Compare SolidWorks models to manufactured parts – **get deviation color maps, dimensions and tolerance measurements in 10 minutes**. Designed for SolidWorks users who are unfamiliar with point clouds and 3D scanners and are not trained as quality professionals, InspectWorks performs automatic point cloud inspection within the SolidWorks environment. InspectWorks is fast and easy to use, so you can check part quality right at your desk.

Inspection for the SolidWorks design engineers

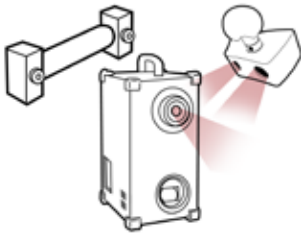
InspectWorks arms the designer and manufacturing engineer with quick access to part quality information so that the product development cycle continues unimpeded. With InspectWorks, a design engineer can quickly check the part using a 3D scanner to get a casual verification of the part's quality before it goes to the quality assurance stage for a formal inspection of production processes, which allows design engineer to effectively catch the problems in early design stage. InspectWorks allows early detection to prevent further investment of time and money in a flawed part.

IMPROVE PRODUCT QUALITY AND REDUCE DESIGN ITERATIONS

WITH QUICK PART INSPECTIONS AT YOUR DESK

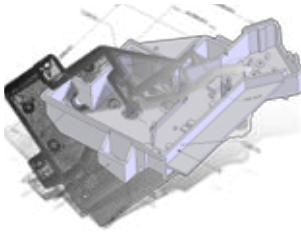
- Fully integrated add-in for SolidWorks®
- Extremely simple-to-learn and easy-to-use wizard style GUI
- One-button Scan-to-CAD alignment
- CAD-to-Part surface/section deviation mapping
- Automatic SolidWorks DimXpert™ GD&T measurement
- Instant Go/No-Go decision on Plus/Minus Tolerance annotations
- Automatic report generation
- Compatible with all 3D scanners

Inspect Parts in SolidWorks in 5 Easy Steps:



1 Import Data from Any 3D Scanner

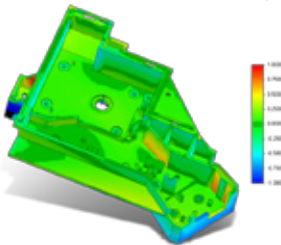
InspectWorks handles large data sets (20 Million points on 32-bit systems)
Supports point clouds and meshes from any source



2 Accurate Automatic Alignment

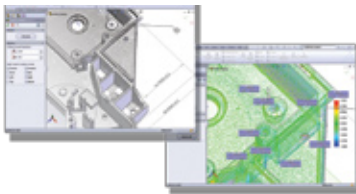
One click best-fit and datum based alignment of scans to SolidWorks models
Industry proven and lab tested accuracy

InspectWorks uses the same industry-tested algorithms as Rapidform XOV™/Verifier
German PTB certified, American NIST & British NPL tested



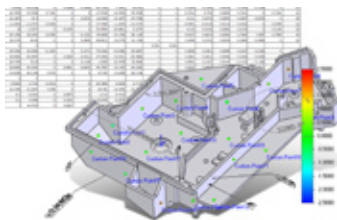
3 Deviation Analysis with Color Maps

Compare scanned parts to SolidWorks models to see deviations
Check overall deviation on the 3D part, as well as 2D section deviations
Set allowable tolerance to see every area of the part out of tolerance
Check specific deviation values anywhere on the part



4 Check Dimensions and Tolerances Automatically

InspectWorks takes full advantage of SolidWorks DimXpert™
All dimensions and tolerances on the part are automatically calculated
See complete GD&T and/or Plus/Minus Tolerance results with one click



5 Automatic Report Generation

Create reports in Microsoft® Excel with screenshots and data tables
All dimension and tolerance results included

* InspectWorks is built on Rapidform XOV technology, PTB Certified, NIST & NPL Tested.
* A trial version of InspectWorks is available at www.inspectworks.com.

RAPIDFORM
XOR™
REDESIGN
One and only software to create parametric CAD model from 3D scan data

RAPIDFORM
XOV™
VERIFIER
The world's 1st macro-free parametric inspection software from 3D scan data

RAPIDFORM
XOS™
SCAN
The fully automated scan data processing software for non-parametric/non-mechanical reverse engineering

RAPIDFORM®

INUS Technology, Inc.

INUS Technology, Inc. is the global leader in the development of 3D scanning software. The company's flagship product, Rapidform, is the world's #1 3D scanning software based on the number of users in production, customer satisfaction and sales. With Rapidform XOR, XOV and XOS, high density point clouds become organized, intelligent and accurate 3D data definitions. Whether used to produce polygonal mesh files or to supply surface and solid model data to advanced 3D CAD software, Rapidform provides the control to capture, process, manipulate and interrogate the raw data from laser, white light, whole-body and long range scanners. For more information, please visit www.rapidform.com.

GLOBAL HEADQUARTERS INUS Technology, Inc.
601-20 Yeoksam-dong Gangnam-gu Seoul 135-080, KOREA
Tel: +82.2.6262.9900 Fax: +82.2.6262.9999 Email: info@rapidform.com

Rapidform, Inc.
292 Gibraltar Drive Sunnyvale CA 94089, U. S. A. Toll Free: 866.RAPIDFORM (U.S. Only)
Tel: +1.408.856.6200 Fax: +1.408.340.7128 Email: us.sales@rapidform.com

Rapidform, JAPAN
Shinkasumigaseki Bldg. 18F. S-06 3-3-2 Kasumigaseki Chiyoda-ku Tokyo 100-0013, JAPAN
Tel: +81.3.3539.5521 Fax: +81.3.3539.5522 Email: japan.sales@rapidform.com

Rapidform, EMEA
8th Floor, Ludwig-Erhard-Str.30-34 D-65760 Eschborn, Germany
Tel: +49.(0)6196.769.48.0 Fax: +49.(0)6196.769.48.29 Email: eusales@rapidform.com

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