REVERSE ENGINEERING.COM ™

BACKGROUND

ReverseEngineering.com develops and markets plug-and-play software tool sets that accurately, quickly, and easily collect raw digitized data from portable and traditional CMMs, laser trackers, and laser scanners into SolidWorks® as easily modifiable parametric sketches.

Providing what is essentially a universal front end for reverse engineering, this software eliminates the data translation issues usually associated with reverse engineering applications.

Engineers, designers, filmmakers, animators, and artists can digitize and reverse engineer physical molds, models, parts, or workpieces more quickly. Because we provide the ability to model as you go, you can more easily create or re-create industrial-strength 3D wireframe models in the SolidWorks application file formats. Our customized plug-ins—specific to your hardware and SolidWorks and your inspection, quality control, measurement, and analytical applications—automate common tasks and significantly improve hardware performance.

REVERSE ENGINEERING PLUG-IN DIRECT IN SOLIDWORKS With the ReverseEngineering.com ADD-IN, you will no longer need multiple software solutions. Simply digitize, reverse engineer, measure, or inspect directly in SolidWorks.

- **Advanced - hard probe and point cloud modeling**
- Ball probe set reference alignment with probe compensation
- ReverseEngineering.com is fully integrated into the SolidWorks CommandManager, Toolbar, Main Menu, and PropertyManager
- Interactive digitizing and editing of 2D and 3D digitized sketch entities (rectangles, circles, lines, arcs, curves, splines)
- Digitize multiple reference geometry planes on the fly
- PropertyManager displays the updated digitizer's coordinate system with digital read out (DRO) of digitizer coordinates along with the probe cursor tracking in single or multiple SolidWorks views
- Digitized points to be stored and recalled for later use with HIPP
- Scan data sets can be modified and written out to Microsoft Excel for analysis, for reports, or for subsequent viewing in HIPP by HighRES front end
- Digitize profiles for extrude -cut features as you reverse engineer in real time

- **Industrial- hard probe and Laser scan point clouds to mesh data**
- Reverse engineering for point clouds and mesh data
- Set Custom alignments Plane circle midpoint-line-point and more !
- Custom Cutplane accuracy for precise profile capture
- Industrial HIPP Laser Scan to Mesh tools for Faro and Romer Scan arms. Power tools for ScanTo3D
- Measure Tubes, probe compensation circles and planes , Go-No GO Inspection

PRICING

North America

HighRES Advanced: *Call for pricing and subscription options
HighRES Industrial: *Call for pricing and subscription options
**Training

ADDITIONAL INFORMATION

Significantly enhances productivity by working directly in your native CAD environment.

Works with FARO, ROMER, MicroScribe, **3d Creator** and other portable CMMs and 3D laser scanners.

Additional product information may be found at **www.ReverseEngineering.com.**

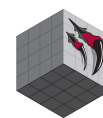There is a Quickflix video and a Customer Success Story available in the Partners section of SolidWorks.com.

To obtain sales support:

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CERTIFIED
Gold
Product

SOLIDWORKS

REVERSE
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REVERSE ENGINEERING·COM
CAD INTEGRATED 3D REVERSE ENGINEERING, SCANNING & INSPECTION SOFTWARE