

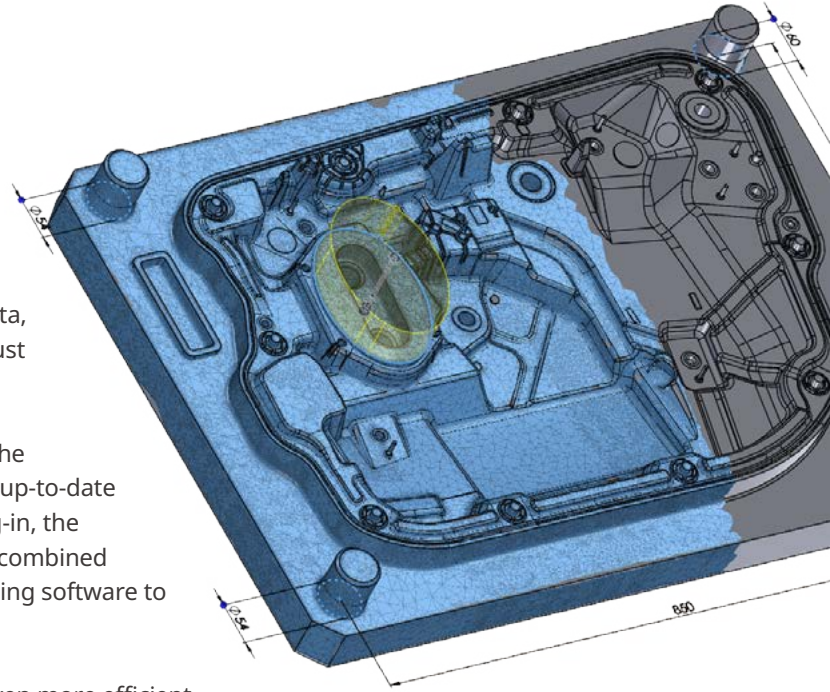
Geomagic® for SOLIDWORKS® 2017 is here and it's better than ever.

Gs Geomagic® for SOLIDWORKS®

Geomagic® for SOLIDWORKS® is the industry's premiere 3D scan-to-SOLIDWORKS solution from 3D Systems. With multiple scanner-compatibility, you can now effortlessly import scan data, or directly scan into SOLIDWORKS, and have a solid model in just minutes.

The latest version of Geomagic for SOLIDWORKS streamlines the reverse engineering process giving you the most efficient and up-to-date tools yet. With the new advanced features in our software plug-in, the robust engineering environment of SOLIDWORKS can now be combined with the power of the industry-leading Geomagic scan processing software to deliver scan-based designs in no time at all.

Geomagic® for SOLIDWORKS® 2017 delivers the power to be even more efficient and more productive while still maintaining accuracy in all your designs.



Geomagic® for SOLIDWORKS® Newest Features and Enhancements

Improvements to Sketching from Scan Data

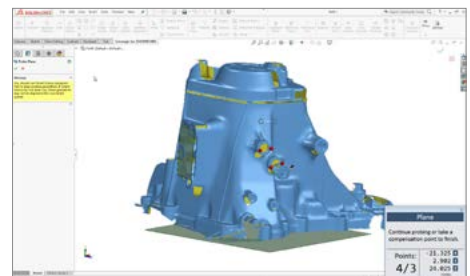
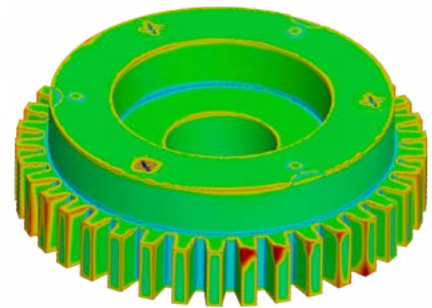
Creating sketches from scan data, using the SOLIDWORKS sketching tools, is now easier and more efficient.

Probing Device Alignment

The new Orient Device tool provides multiple alignment methods for probing and scanning devices. Geomagic for SOLIDWORKS directly connects to industry leading portable CMM devices; an enhancement that gives our users the tools to attack challenging part alignments.

Streamlined Productivity

Now with a longer list of compatible scanners, compatibility with the latest version of SOLIDWORKS, and overall enhancements to the User Experience, going from Scan to a SOLIDWORKS model is faster and more efficient than ever before.



Geomagic for SOLIDWORKS Feature List

Geomagic® for SOLIDWORKS® delivers the seamless ability to 3D scan directly into SOLIDWORKS and use integrated industry proven toolsets to create solid models directly and accurately in your design environment.

Direct Scanner Integration with Geomagic Capture and Other Popular 3D Scanners	Scan or Probe features and sketches directly inside SOLIDWORKS. Supported hardware includes: <ul style="list-style-type: none">• 3D Systems Capture• Artec Handheld Scanners (*via Artec Studio)• Creaform Handheld Scanners• Faro Scan Arms and Cobalt Array Imager• Hexagon Scan Arms• Nikon Scan Arms• Vialux 3D Scanners
Point Cloud Processing	Fast, automated processing
Polygonal Surface Creation	Mesh construction from point cloud or merging of multiple meshes
Polygon Processing Tools	<ul style="list-style-type: none">• Decimation• Noise reduction• Smoothing• Hole filling
Powerful Alignment Tools	<ul style="list-style-type: none">• Probe device alignment• Align your mesh to the World Coordinate System• Picked point alignment for multiple scan data sets
Automatic Surfacing	Automatic conversion of both organic and geometric objects to CAD solid
Mesh Cross Sectioning	Automatic curve and sketch creations
Intuitive Smart Selection Tools from Mesh	<ul style="list-style-type: none">• Extrude• Freeform surface• Revolve• Primitive feature fitting• Sweep
Intuitive Smart Selection Tools for Selecting Polygon Groups	<ul style="list-style-type: none">• Region• Box• Lasso• Polygon
Region Grouping Tools for Detailed Mesh Segmentation	Pre-processing step for intelligent feature extraction
3D Comparison with Deviation Analysis	Compare any time between mesh object and CAD object

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