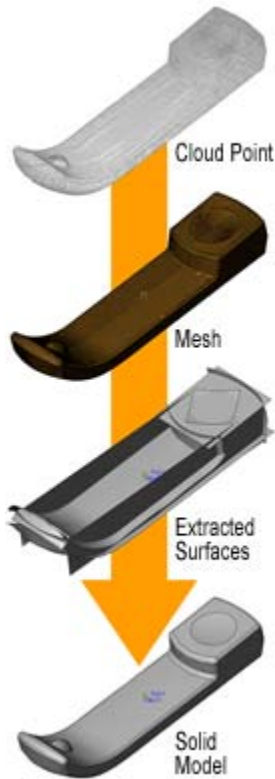


SolidWorks ScanTo3D



▣ A Utility for converting scanned data into solid models



Have you ever wanted to capture a digital rendition of a physical part or concept in SolidWorks® software? ScanTo3D now makes this possible, reducing the time and resources required to build complex CAD models. Unlike using calipers or outsourcing, ScanTo3D allows you to quickly create 3D renderings from scanned data. And as part of SolidWorks Office Premium, ScanTo3D is completely integrated into your SolidWorks environment.

ScanTo3D is an indispensable tool for any designer who needs to capture physical concept models, existing OEM parts, or anatomical objects and use these scanned renditions as references to build SolidWorks models. With ScanTo3D, you can convert extremely organic shapes to solid models for reference in your designs. Plus, ScanTo3D provides tools to recognize analytic shapes, such as machined parts and consumer products, and can decompose and fit analytic or non-analytic surface types to the mesh.

Capture design intent quickly and easily

SolidWorks ScanTo3D enables you to open scan data directly into SolidWorks, prepare, and extract reference surfaces from the data.

The convenience of scanning objects right from your desktop

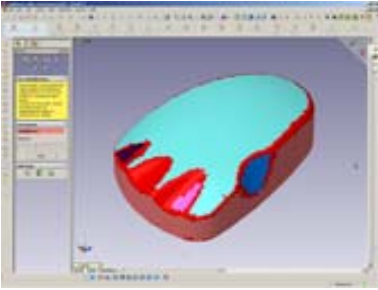
The NextEngine® Desktop 3D Scanner captures physical samples and brings them into SolidWorks as highly accurate 3D references. Breakthrough technology from NextEngine makes this possible. Scan detailed parts and models and build your designs to match. All this power is now available at an unprecedented price of \$2495.

Combined with the 3D desktop scanner with ScanTo3D and you have an affordable, easy-to-use solution for capturing physical objects right from your desktop — no more measuring with calipers or waiting days for expensive service bureaus.

Powerful, time-saving tools:

- Simple-to-use wizards guide you through the process of preparing the cloud point or mesh data and then extracting surfaces from the prepared mesh.
- Until now, you could only get this type of functionality with expensive software packages and extensive training. But with ScanTo3D, capturing physical data is affordable and easy to do.

A complete, integrated solution with SolidWorks Office Premium



ScanTo3D is accessible right from within the SolidWorks interface. All functions of ScanTo3D use the familiar SolidWorks Window and PropertyManager to walk you step by step through the process of converting scanned data to a solid model.

With ScanTo3D capabilities, you can:

- Open cloud point or mesh data directly into SolidWorks, dynamically section the mesh, and model directly against it using 2D and 3D sketch geometry.

With the Mesh Preparation Wizard you can:

- Convert cloud point data to mesh data automatically, realign, remove noise, delete extraneous data, and smooth mesh data.

With the Surface Wizard you can:

- Choose the Guide Creation option, create submeshes, and automatically fit surfaces to the submeshes— or you can convert the mesh automatically to a solid model to reference for a production design using the Automatic Creation option.



☐ Desktop 3D Scanner [Find out more](#)

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