

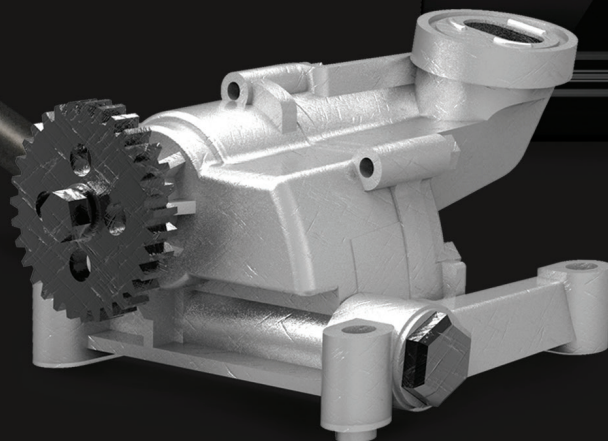
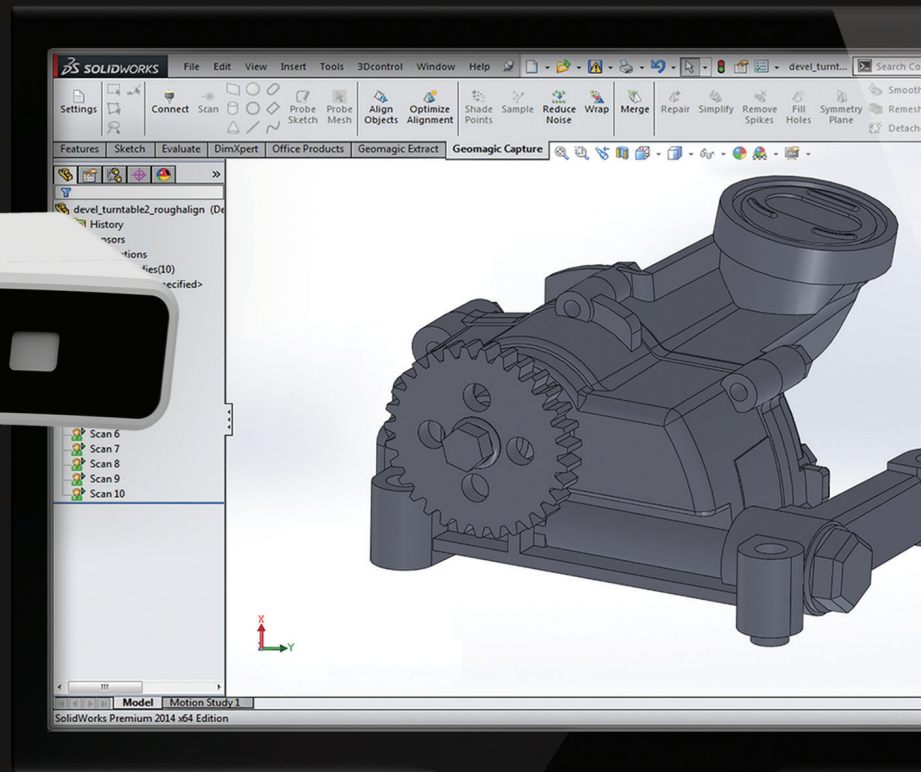


3DSYSTEMS®



Geomagic Capture®

Scan-Based Design Systems





Geomagic Capture®

Geomagic Capture is a powerful turnkey 3D scanner and software system that seamlessly brings physical objects into CAD and supercharges your product development process.

Accelerate Product Design

Take advantage of this consolidated Scan-Based Design system to ramp up the design process and get products to market faster. By starting with existing objects, you can create new products or alter old ones without the time requirements of designing from scratch.

Unleash More Creativity

There's a reason automotive designers still use clay - starting from a real physical shape remains the best way to conceptualize and communicate complex shapes. Scan-Based Design empowers more creative product design for any industry, because it connects the real world with your design process.

Reduce Integration and Training Costs

With Geomagic Capture you get one easy-to-use, affordable solution that bridges hardware, software and CAD for your convenience. Because it's a complete plug-and-play system, you won't have to burn time incorporating multiple products from multiple vendors into your workflow.

Leverage the World Around You

Geomagic Capture represents a brand new design paradigm in which existing objects provide inspiration for innovative new products. Geomagic Capture's 3D scanner provides high-fidelity data that goes directly to CAD. Improve upon, learn from, customize and reuse the designs that surround you every day.

Enhance Your CAD System

Geomagic Capture works flawlessly with SolidWorks® and SpaceClaim® via plugins and connects directly to Siemens® NX™, Solid Edge®, Creo®, Pro/Engineer® and Inventor® via Geomagic® Design™ X software. With the power to scan directly into CAD, you can design highly complex parts faster via one seamless workflow.

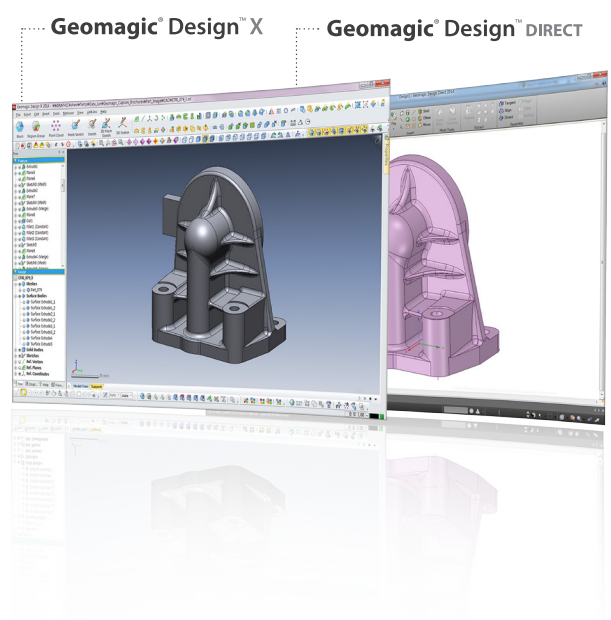
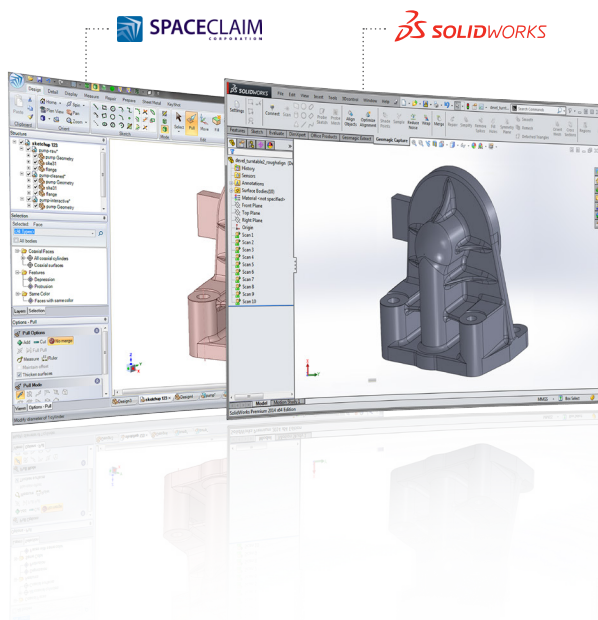
Scan-Based Design Software Choices

Geomagic Capture Plugins for CAD

Scan-Based Design seamlessly integrated in CAD

Geomagic Software

Powerful standalone Scan-Based Design software



The First Affordable, Complete Scan-Based Design System to Speed Up Product Development

Professional-Grade, Accurate Scanning

The ultra-compact Geomagic Capture scanner captures precise data using state-of-the-art blue LED technology. This amazing device captures almost one million points in 0.3 seconds to create detailed models of physical objects, accurate to 0.060-0.118 mm.

Radically Lower Cost

Complete Geomagic Capture systems cost less than other professional 3D scanners and include both hardware and Geomagic's industry-leading software. For the first time, you can get the accuracy, scanning size envelope and ease of use that you need to adopt Scan-Based Design.

Powered by Proven Technology

Geomagic Capture utilizes industry-leading technology from Geomagic and Rapidform. With the combined expertise of two industry leaders that are now part of 3D Systems, you get the easiest, most powerful Scan-Based Design software technology combined with proven scanning hardware.

End-to-End System Provides CAD Output

Geomagic Capture isn't just a 3D scanner. Each package includes software or plugins that ensure the output you get is a finished CAD model, no different from any other design model. More than simply mesh or static NURBS surfaces, Geomagic Capture delivers intelligent, feature-based CAD models.

Simplicity

Geomagic Capture is a plug-and-play system that is fully compatible with your existing design software. Whether you choose to use one of the Geomagic Capture CAD plugins or standalone Geomagic software, you'll be able to quickly and easily create intelligent CAD models directly from the scanner.

Built for a Variety of Demanding Applications

Geomagic Capture's portable scanner and flexible software make it a perfect fit for a variety of applications, from heavy-duty manufacturing to industrial design to automotive to jewelry. This new method of Scan-Based Design empowers designers across all industries to swiftly create the type of innovative products that customers demand.

Included 3D Scanner

Geomagic Capture's 3D scanner is a small, yet powerful, system that harnesses the power of blue LED structured light to create highly accurate models.



High Definition

Measures 985,000 points per shot in 0.3 seconds.

Highly Precise

Accuracy of 60-118 microns within the field of view.

Compact & Portable

The scanner fits easily on a desk, yet it's rugged enough for the shop floor. Fits easily in a carry-on for convenient travel.

Simple Setup

Take it out, plug it in, and you're ready to scan. No calibration or other setup needed.

Versatile

Ready to take on demanding applications, the scanner can be used for 3D Scan-Based Design as well as inspection.

Geomagic Capture® is offered in a variety of packages, each of which is a complete solution for Scan-Based Design. Choose from one of these four packages :

Geomagic Capture®

for SolidWorks®

Take advantage of this consolidated Scan-Based Design system to ramp up the design process and get products to market faster. By starting with existing objects, you can create new products or alter old ones without the time requirements of designing from scratch.

Package includes :

Desktop 3D scanner,
Geomagic Capture for SolidWorks
add-in software

Geomagic Capture®

for SpaceClaim®

Enables easy Scan-Based Design directly with a SpaceClaim add-on from Geomagic. No new software to learn; just scan and design in the SpaceClaim environment.

Package includes :

Desktop 3D scanner,
Geomagic Capture for SpaceClaim
add-on software

Geomagic Capture®

for Design™ X

Powerful Scan-Based Design for the most demanding applications. Create CAD models in Design X and transfer them, with complete feature trees, to Siemens NX, PTC Creo, Pro/E, Inventor and SolidWorks.

Package includes :

Desktop 3D scanner,
Geomagic Design X software

Geomagic Capture®

for Design™ Direct

Combine the ease of use of direct modeling with Scan-Based Design. Create and modify parametric CAD models without being a CAD expert.

Package includes :

Desktop 3D scanner,
Geomagic Design Direct software

* Geomagic Capture packages for inspection are also available.

3D Systems Capture Scanner Specifications

	Property	Specification
	Weight	1.45 kg
	Dimensions	287 x 49 x 81 mm
	Data Capture Rate	985,000 points/scan (approx. 0.3 sec scan time)
	Resolution	0.08 mm
	Accuracy	0.060 mm at 300 mm; 0.118 mm at 480 mm
	Stand-off Distance	300 mm
	Depth of Field	180 mm
	Field of View	124 x 120 mm (near) 192 x 175 mm (far)
	Computer Requirements	Windows 7/8 64-bit, Quad-core Intel 2 GHz CPU or better, 4 GB RAM or more, 512 MB video card or better, Gigabit Ethernet interface

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About 3D Systems

3D Systems is a leading provider of 3D content-to-print solutions including 3D printers, print materials and on-demand custom parts services for professionals and consumers alike. The company also provides CAD, reverse engineering and inspection software tools and consumer 3D printers, apps and services. Its expertly integrated solutions replace and complement traditional methods and reduce the time and cost of designing new products by printing real parts directly from digital input. These solutions are used to rapidly design, create, communicate, prototype or produce real parts, empowering customers to create and make with confidence.