Geomagic Capture®
Scan-Based Inspection Systems
Harness the Power of 3D Scanning
Take the next step in product verification and inspection with 3D scanning. Powered by advanced blue LED projection technology, Geomagic Capture accurately measures parts and quickly shows you where parts are in and out of tolerance.

Reduce Errors and Save Time
Geomagic Capture is a powerful metrology solution that sits on your desktop, so you can check part quality quickly and fix problems fast. Get the precise detail of blue light LED scanning coupled with easy-to-use inspection software.

Inspect and Verify with Confidence
Top manufacturers count on Geomagic software to ensure their parts fit the bill. The seamless combination of our software with Geomagic Capture’s industrial-grade structured light scanner allows you to scan with confidence.

Ensure Process Consistency and Efficiency
With inexpensive, easy-to-use metrology at your fingertips, you can inspect more parts more frequently, ensuring that your products are made right every time. Scan parts made by third parties and quickly compare back to your CAD designs.
The First Affordable, Fully Integrated Scanning and Inspection System

**Powered by Proven Inspection Technology**
Geomagic Capture utilizes proven inspection technology from Geomagic® and Rapidform®. Thousands of manufacturers around the world depend on these tools for their quality control. With the combined expertise of two industry leaders, you can have reliable, repeatable inspection in a simple plug-and-play solution.

**Highly Accurate Scanning**
The ultra-compact Geomagic Capture scanner captures precise data using advanced blue LED projection technology. Light and easy to transport, this scanner is pre-calibrated to produce repeatable results in some of the toughest industrial environments.

**Push-Button Simplicity**
At a fraction of the price of stand-alone scanners, Geomagic Capture is a complete plug-and-play system that integrates seamlessly with Geomagic® Control™ or Geomagic® Verify™ inspection software. There’s no need to import and export; you simply push a button, scan, compare and measure in one software.

**Built for a Variety of Demanding Applications**
Geomagic Capture’s portable scanner and flexible software make it a perfect fit for a variety of needs, from heavy-duty manufacturing to industrial design to automotive. This new method of verification can help designers across all industries to make sure the end product is faithful to the original design.

**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.

Request a demo online at [http://3dsyste.ms/capture](http://3dsyste.ms/capture)
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.

Contact Information

AMERICAS
geomagic.sales.americas@3dsystems.com
Morrisville, NC, USA: +1.800.691.1839
Brazil: +55.11.98160.5948
Mexico: 6441.146401

EMEA
geomagic.sales.emea@3dsystems.com
Stuttgart, Germany: +49.711.7191.7887

APAC
geomagic.sales.apac@3dsystems.com
South East Asia: +82.2.6262.9922
Australia & New Zealand: +60.123.988.473
India: +91.9840478347

JAPAN
geomagic.sales.japan@3dsystems.com
Tokyo: +81.3.5796.2510

CHINA
geomagic.sales.china@3dsystems.com
Shanghai: +86.21.6432.0776

KOREA
geomagic.sales.korea@3dsystems.com
Seoul: +82.2.6262.9900

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Geomagic Capture® is offered in two packages for inspection. Choose the package that’s right for your needs:

**Geomagic Capture® for Verify™**

Enables easy first article inspection, with CAD comparison, extensive geometric dimensioning and tolerancing, and easy reporting.

**Ideal for:**
Inspecting one-off or first article parts, where each inspection routine is unique.

**Package includes:**
Blue light LED 3D scanner,
Geomagic Verify software

**Geomagic Capture® for Control™**

Enables completely automated inspection, with powerful scripting tools that make repeated inspection of multiple parts as simple as a single button click.

**Ideal for:**
Rapid automated inspection of multiple samples of the same part. Program it once, and let Control inspect parts automatically.

**Package includes:**
Blue light LED 3D scanner,
Geomagic Control software

* Geomagic Capture packages for Scan-Based Design are also available.

### 3D Systems Capture Scanner Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1.45 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>287 x 49 x 81 mm</td>
</tr>
<tr>
<td>Data Capture Rate</td>
<td>985,000 points/scan (approx. 0.3 sec scan time)</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.08 mm</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.06 mm at 300 mm; 0.118 mm at 480 mm</td>
</tr>
<tr>
<td>Stand-off Distance</td>
<td>300 mm</td>
</tr>
<tr>
<td>Depth of Field</td>
<td>180 mm</td>
</tr>
<tr>
<td>Field of View</td>
<td>124 x 120 mm (near) 192 x 175 mm (far)</td>
</tr>
<tr>
<td>Computer Requirements</td>
<td>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</td>
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</tbody>
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