Scan3D BLUE is the high class optical 3D scanner dedicated for 3D scanning of difficult and complicated technical objects. The system was created to increase efficiency of 3D scanning on any production stage. High technical parameters, small size, closed and compact casing makes our product fully reliable and mobile measurement device. Scan3D BLUE using breakthrough technology of narrow-band blue LED light enables precise scanning of objects in any light conditions and guarantees long operation time.

Scan3D BLUE is the complex solution for advanced 3D scanning. The highest resolution of scanning (10 MPix) and density of surface probing (to 330 points/mm²) gives fully detailed results. Scanner head coupled with advanced Geomagic Studio software enables automatic generation of NURBS surfaces giving the user straight path for obtaining parametric models. Adding Geomagic Qualify to the set makes the scanner perfect quality inspection tool enabling user performing CAD model comparisons and creation of advanced metrology reports.

For demanding users willing to optimize their working time we offer additional accessories such as numeric controlled rotation table, LED and stick on markers for automatic cloud merging of large sized objects and additional wheels for tripods. Our engineering team is always happy to take up a challenge of designing new solution for your specific needs.

Main elements of Scan3D BLUE system:
- 3D optical scanner with seeled cover and ISA system (Internal Schock Absorber) protecting scanner from decalibration,
- professional mobile PC work station (min. i7, RAM:16GB, NVIDIA 1GB) with bag,
- professional tripod with ball head enabling setting scanner in any position,
- professional transport case,
- special matt spray.

www.smarttech3d.com
3D Scanner integrated with Geomagic Studio software

Complex solution for creating precise and accurate CAD models by using 3D scanner:
- Fully automatic creation of parametric surfaces (NURBS),
- Advance point cloud editing,
- Short time of data processing.

Custom fit configuration of measurement volume size together with automated cloud merging based on markers for bigger objects or rotation table ensures easy measurement for object of any size.

This revolutionary system was created with full integration of measurement and data post processing in mind, so you can start your reverse engineering from the first minutes from purchase. No need for calibration process saves your time and shortens the learning curve. Now you can create parametric models straight from scanned objects in no time. Close cover, ISA system and professional transport cases enables full mobility for Scan3D Surface system.

3D Scanner integrated with Geomagic Qualify software

Complex solution for quality control and inspection:
- Compare your 3D object model with CAD model,
- Create 2D sections and check dimensions of your model,
- Inspection of geometric tolerance,
- Generating automatic 3D PDF reports.

High density of measuring surface (to 330 points/mm²) and precise measure (precise to 30μm) ensure enrolling any inspection needed for you or your demanding customer. Using the highest class inspection software - Geomagic Qualify - allows you automated report generation and control dimension in specified tolerance (pass/fail). For demanding customers who are willing to be additionally assured of stated accuracy of scanning head the system can be certified by external accredited measurement laboratory according to VDI/VDE 2634.

### Technical specification

<table>
<thead>
<tr>
<th></th>
<th>Scan3D Blue</th>
<th>Scan3D Surface</th>
<th>Scan3D Qualify</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanning technology</td>
<td>Narrow-band structural blue LED light</td>
<td>Structural White light</td>
<td>Structural White light</td>
</tr>
<tr>
<td>Detector resolution</td>
<td>10; 5; 2 Mpix</td>
<td>10; 5; 2 Mpix</td>
<td>10; 5; 2 Mpix</td>
</tr>
<tr>
<td>Measuring field [mm²]</td>
<td>150x200 - 1200x1600</td>
<td>150x200 - 1200x1600</td>
<td>150x200 - 1200x1600</td>
</tr>
<tr>
<td>Distance between points [mm]</td>
<td>0.04 - 0.40</td>
<td>0.04 - 0.40</td>
<td>0.04 - 0.40</td>
</tr>
<tr>
<td>Sampling rate [points/mm²]</td>
<td>5 - 330</td>
<td>5 - 330</td>
<td>5 - 330</td>
</tr>
<tr>
<td>Number of points from one scan [points]</td>
<td>2 - 10 millions</td>
<td>2 - 10 millions</td>
<td>2 - 10 millions</td>
</tr>
<tr>
<td>Integration with Geomagic Studio</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Integration with Geomagic Qualify</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Tripod</td>
<td>+</td>
<td>+</td>
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<tr>
<td>Texture scanning</td>
<td>-</td>
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<td>option</td>
</tr>
<tr>
<td>Mobile work station</td>
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<td>option</td>
<td>option</td>
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Local distributor:

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