

# SCAN3D BLUE

**SMARTTECH 3D**  
Optical measurement systems

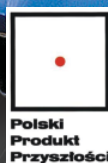
**Scan3D BLUE** - it is a new generation of 3D scanners in revolution technology of narrow-band blue LED light. That new line of 3D scanners enables you to scan faster and more precisely in any light conditions.



Gold Medal  
Geneva 2008



Gold Medal Brussels  
EUREKA'2006



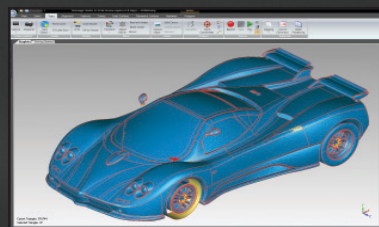
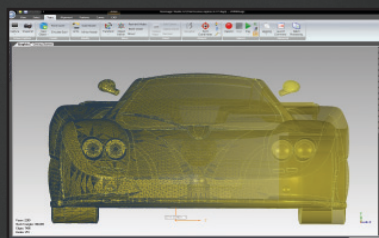
Polish Product of  
the Future 2005

## New 3D scanner - Scan3D BLUE – innovative blue light LED technology in great price!

**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/mm<sup>2</sup>) 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 sealed cover and ISA system (Internal Shock 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.





## 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.

# SCAN3D qualify



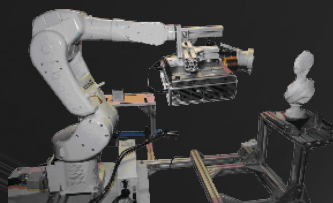
## 3D Scanner integrated with Geomagic Qualify software

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/mm<sup>2</sup>) 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.

## Additional accessories:



Measuring robot



Automatic rotation table

Technical specification	SCAN3D BLUE	SCAN3D surface	SCAN3D qualify
Scanning technology	Narrow-band structural blue LED light	Structural White light	Structural White light
Detector resolution	10; 5; 2 Mpix	10; 5; 2 Mpix	10; 5; 2 Mpix
Measuring field [mm <sup>2</sup> ]	150x200 - 1200x1600	150x200 - 1200x1600	150x200 - 1200x1600
Distance between points[mm]	0,04 - 0,40	0,04 - 0,40	0,04 - 0,40
Sampling rate [points/mm <sup>2</sup> ]	5 - 330	5 - 330	5 - 330
Number of points from one scan [points]	2 - 10 millions	2 - 10 millions	2 - 10 millions
Integration with Geomagic Studio	+	+	+
Integration with Geomagic Qualify	+	+	+
Tripod	+	+	+
Texture scanning	-	+	option
Mobile work station	+	option	option

## Local distributor:



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