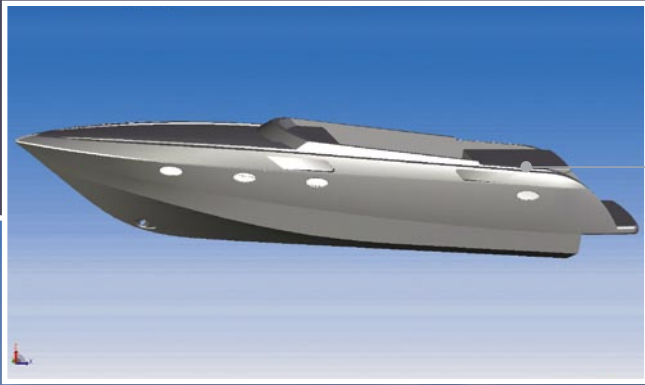


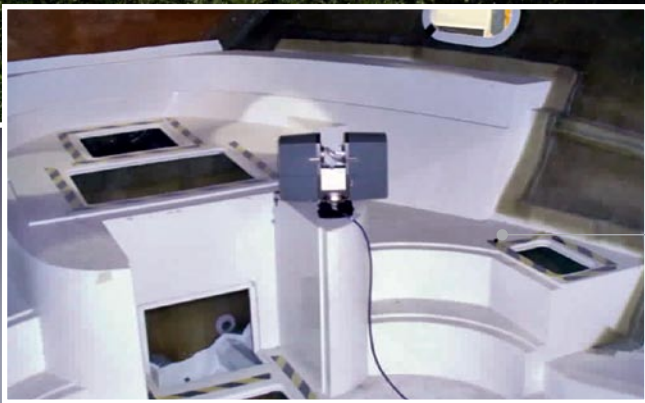
Laser Scanner Photon™ - Design Package



[A] Create easily accurate 3D-Designs



[B] The system rotates 360 degrees and automatically measures everything within the line of sight from the scanner's position.



[C] Capture large products in short time

FARO Laser Scanner Photon™

The FARO Photon™ is a portable non-contact measurement system which uses laser technology to accurately measure manufacturing plants, processing facilities, and in specialized applications ranging from forensics to heritage sites. The system rotates 360 degrees and automatically measures everything within the line of sight from the scanner's position. The stand-alone system records millions of 3D measurements in real time. The combination of FARO's Photon™ high quality data capture and Geomagic's powerful Studio software enables a complete solution for transforming physical parts into manufacturable digital models.

Geomagic Studio

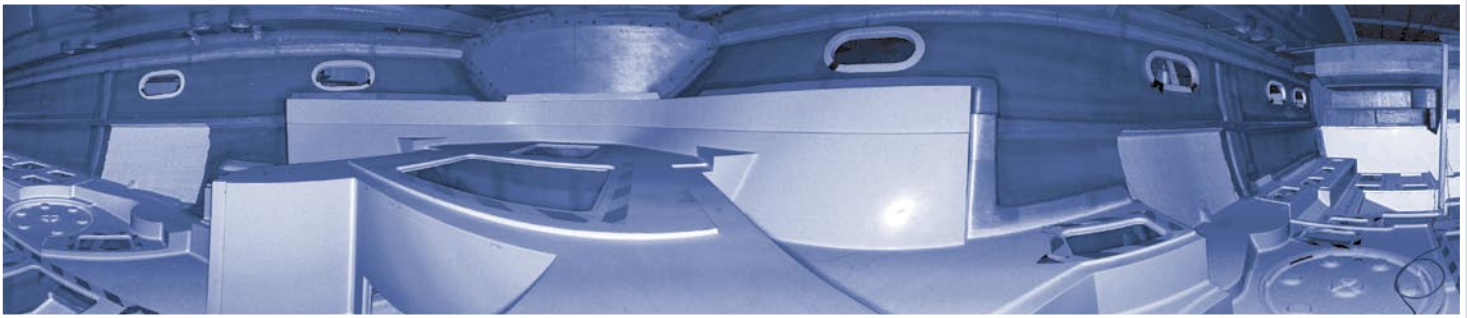
The first solution for automated reverse engineering. Studio is also ideal for emerging applications such as mass production of customized devices, built to order manufacturing and automatic re-creation of legacy parts. Rapid processing of scan data using Geomagic Wrap brings automation, speed and accuracy to the process of converting point clouds to polygons. Geomagic Shape automates the process of converting complex polygon models to accurate high quality NURBS surfaces for CAD/CAM applications.

Features

- ▶ Watertight NURBS model
- ▶ Ten-fold productivity increases over traditional CAD software when processing complex or free form shapes
- ▶ Automated features and simplified workflow improves efficiency
- ▶ Integration with all major CAD/CAM software
- ▶ Ability to work as a stand alone application for rapid manufacturing or as a complement to CAD software

Design Package

Applications



Geomagic Studio Technical Specifications

Import

Geomagic Studio supports all 3D digitizers, cameras and scanners in XYZ / ASCII format and handles ordered and unordered surface and volume data.

Native Scan Data Formats

- | | |
|-------------------------------|---------------------------|
| • FLS - FARO Laser Scanner | • GTI - Genex |
| • 3PI - ShapeGrabber | • HYM - Hymarc |
| • AC - Steinbichler | • ICV - Solutionix |
| • ASC - generic ASCII | • MET, MTN - Metron |
| • BIN, SWL - Perceptron | • NET - InSpeck |
| • BRE - Breuckmann | • OPT - Open Technologies |
| • CAM, CDK, VVD - Minolta | • PIX - Roland |
| • COP - Pulsetech | • PMJ/X - 3D Digital |
| • CWK - Kreon | • SAB2 - 3D Scanners |
| • DPI - Dimensional Photonics | • SCN, MGP - Laser Design |
| • G3D, SURF - GOM | • XYZ - Opton |
| • GPD - Geomagic | • XYZN - Cognitens |

Polygon Import/Export

- 3DS
- DXF
- IGS
- LWO
- NAS
- OBJ
- PLY
- STL
- VRML
- WRP

CAD Import/Export

- IGES
- STEP
- 203/214
- Neutral VDA
- SAT Pro/E
- PRT*
- Parasolid .x_t* and .x_b*

* import only

System Requirements Geomagic Studio

- Operating System: Windows XP, Windows 2000
- CPU: Pentium® 4, 1GHz or better, Dual processors recommended
- Memory: 1 GB minimum / 2 GB recommended
- Disk Space: 10 GB or more
- Display: 1280 x 1024 resolution, 24-bit color or above; Open GL 1.1 compliance; Tested Cards: Intergraph Wildcat series, Fire GL1/2, Nvidia Quadro/GeForce

System Requirements

- Microsoft Windows XP (Professional or Home Edition, SP1 or later); Windows 2000 (SP2 or later); Windows NT 4.0 (SP6)
- 1 GHz processor (2.5 GHz recommended)
- 1 GB RAM (2 GB recommended)
- Mouse with 2 buttons and wheel
- Graphics Card with 32MB & OpenGL hardware acceleration
- Ethernet card for licensing

