

## **Enabling Better Outcomes with 3D Solutions for Scanning Design, Manufacturing and Inspection of Patient-Specific Implants, Prosthetics, Surgical Guides, Study Models**

The Associated Press

MORRISVILLE, N.C.--(BUSINESS WIRE)--Jun 11, 2012-- Geomagic, (R) a global company providing 3D technology solutions for digital reality, today announced it will showcase best practices and output from its customers' digital orthopedic product workflows at this week's OMTEC 2012 event in Chicago beginning Wednesday, June 13th. As orthopedic implant manufacturers work to apply the latest technologies to their patient-specific implant processes, Geomagic's customers demonstrate the results that are made possible when medicine meets 3D capture, touch-enabled design, 3D inspection and digital manufacturing technology.

Speakers and exhibits at OMTEC 2012 will depict the use of Geomagic's products in the latest materials for the ultimate in personalized fit, form and function. For example, Level 3 Inspection's Bill Greene will outline the advantages of Computer Aided Inspection for orthopedic implants as a way to deliver better patient-specific forms, faster, with fewer iterations, less waste, and lower cost. Bill will be presenting at the conference on Thursday June 14, at 10 am CT.

Geomagic will be demonstrating its Freeform(R) Modeling System for organic design and preparing files for manufacturing. Level 3 Inspection also will join Geomagic and demonstrate its scanning solution using Geomagic Qualify for inspection and analysis.

"Advanced software is allowing us to solve clinical problems we couldn't even begin to touch before, and Geomagic's solutions are at the heart of the innovation," said Barry Fell, president of Thermoplastic Products Corp. in Hummelstown PA, who designs and prototypes custom orthopedic implants.

By using Geomagic's suite of 3D solutions, including Geomagic Studio(R) to capture real world data, Freeform to develop designs, and Geomagic Qualify(TM) to inspect and check manufactured products, medical manufacturers are moving to successful mass custom manufacturing through 3D digital reality. Innovative orthopedic products created using Freeform, Geomagic Studio and Geomagic Qualify on display at OMTEC include: -- Implant designs by almost every leading orthopedic implant manufacturer -- The Smart Inspection System (SiS) for robotic Computer-Aided Inspection (CAI) with automated measurement and reporting -- Custom implants by university hospitals, medical service bureaus, small manufacturers, Walter Reed Military Medical Center, Wilford Hall Medical Center at Lackland Air Force Base, and other major names.

-- Custom prosthetics, implants and surgical guides from ProPrecision, Medical Modeling and MedCAD -- Surgical planning models from Thermoplastic Products Corp. and Walter Reed Military Medical Center -- Educational models from GPI Anatomicals, Protowerx, The Chamberlain Group, and others "Digital reality, like the digital economy, is a fact of life today, allowing art and science, and in this case medicine, to achieve breakthrough results that are not possible without our technology," said Ping Fu, CEO of Geomagic. "A good example is the use of additive manufacturing in exciting new ways. What was previously utilitarian, and perhaps cast or vacuum formed with standard parts, now can be designed more elegantly, ergonomically and aesthetically - and printed in new bio-compatible materials. It's a new era for the practitioners and patients in the orthopedic industry." Geomagic is exhibiting in booths 831-833 at OMTEC, which takes place at the Donald E. Stephens Convention Center, 5555 North River Road in Chicago, on Wednesday June 13 from 9 am - 6 pm CT, and Thursday June 14 from 9 am - 12 noon CT.

About Geomagic Geomagic ([www.geomagic.com](http://www.geomagic.com)) is a global company dedicated to advancing and applying 3D technology for the benefit of humanity. Different from CAD, Geomagic offers specific products to create 3D content from imaging the real world and real people, verify dimensional quality by comparing a master design to as-built products, and simulate touch sensations in digital environments. Products include Geomagic Studio(R), Geomagic Qualify, Geomagic customers are the most innovative companies in industries ranging from aerospace, automotive, toys, moldmaking, medical device, surgical simulation, consumer products, arts, heritage, research and education. Some of the leading companies around the globe using Geomagic products include Ford, BMW, Boeing, Harley Davidson, Timberland, Fisher Price, Lego, Pratt & Whitney, NASA, Schneider Electronic, 3M, Danaher and Invisalign.

Geomagic is based in Research Triangle Park, NC, USA, with an office in Boston and subsidiaries in Europe and Asia, and channel partners worldwide.

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