



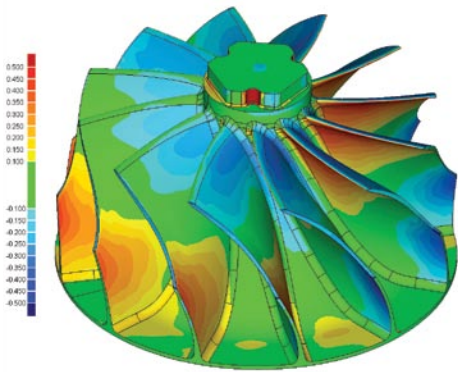
geomagic®

# turbine

machinery industry

the magic of making it simple™

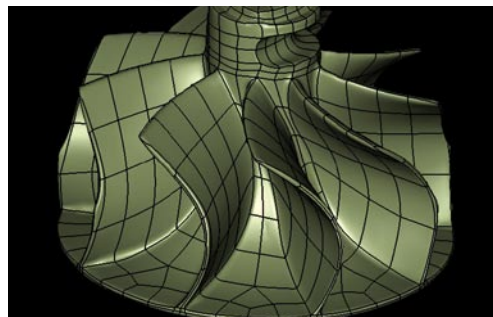
Whether you are improving the world's turbine-generated power grid, squeezing economy and performance from propulsion turbines or building specialized compression equipment, Geomagic engineering solutions for the turbine-machinery industry take you further. Start with Geomagic Quality, the world's fastest growing inspection software platform for manufacturing. Extend it with Geomagic Blade, including specialized features for evaluating, testing and qualifying turbine blades and components. Then add custom reporting using standard office desktop software. This is the Geomagic industry solution turbine inspection professionals have been talking about. Go even further with Geomagic Studio.



Make reverse engineering, fabrication and refurbishment of as-built components a workflow reality, including modeling for Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA) performance analysis. Involve the team using Geomagic Review, our complimentary tool to share data. Easily review data and collaborate on decisions across engineering and the enterprise.



Geomagic is the world leader in digital shape sampling and processing (DSSP). DSSP is the use of scanning hardware and processing software to digitally capture physical objects and automatically create accurate 3D models with associated structural properties for design, engineering, inspection and custom manufacturing.



Geomagic Studio is the tool of choice for turbine engineering professionals that must create accurate digital models from existing parts for re-engineering, fabrication, modeling, rapid prototyping, CFD analysis and FEA. Increase safety, reduce risk and deliver reliable results on mission-critical turbine projects.

**Geomagic Quality is the de-facto standard for computer-aided inspection (CAI) and is used and validated by leading turbine industry companies such as GE Power Systems, PCC Airfoils, Pratt & Whitney, Siemens and Solar Turbines. Automatically process optical scanner data for 100-percent dimensional inspection on each new part for more test coverage in less time. Complementing CMM, Geomagic Quality makes the transition easy and delivers results.**

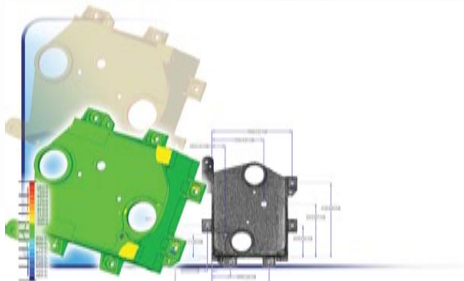


engineering solutions  
that take you  
**further**

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Geomagic Blade enables complete surface and feature inspection for 100-percent verification and comparison with the 3D CAD model to ensure parts meet tolerance, functional and performance specifications. Geomagic Blade is the first CAI tool based on unique requirements from leading turbine-machinery companies. It provides new digital techniques for aligning edge-to-pin contact, automatic dimensioning of blade-specific characteristics and automated twist analysis.



Geomagic Review collaboration and review software is easy to download, install and use. Communicate and share reports among inspection, design, engineering, contractors and other partners and co-workers. At no cost, Geomagic Review helps teams make better decisions in less time.

Geomagic Services helps customers rapidly implement and gain value from DSSP. Streamline deployment from proof of concept and implementation consulting, education and custom training to specialized custom software development; Geomagic is your partner in moving to DSSP.

Geomagic simplifies DSSP, enabling customers to accelerate their design-build cycles and ensure quality at every step. More than 4,000 professionals in the automotive, aerospace, medical devices and consumer products industries use Geomagic software and services. They benefit from unprecedented time savings, short learning curves, increased productivity and have the highest levels of user satisfaction.



**geomagic**<sup>®</sup> the magic of making it simple<sup>™</sup>

**Learn More**

For more information about Geomagic solutions for the turbine manufacturing industries:

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