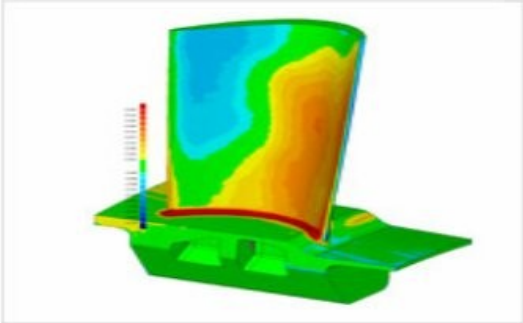
Geomagic Blade

Extension for Turbine Engineering and Inspection



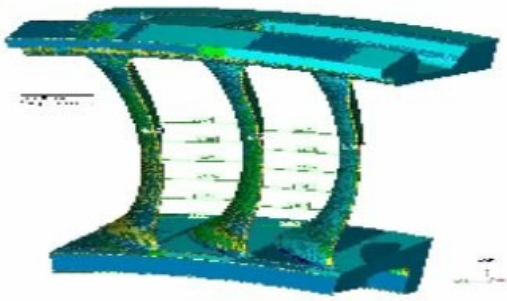
Geomagic Blade provides specialized features for evaluating, testing and qualifying turbine blades, rotors, stators and components. As an extension to Geomagic Qualify, it enables complete surface and feature inspection for 100-percent verification and comparison with the 3D CAD model to ensure parts meet tolerance, functional and performance specifications. It also provides new digital techniques for aligning edge-to-pin contact, automatic dimensioning of blade-specific characteristics and automated twist analysis.

Purpose-built for non-contact turbine inspection

Geomagic Blade is the only DSSP inspection software available that simplifies and automates the turbine inspection process and is the first CAI tool based on unique requirements from leading turbine-machinery companies.

When faced with the challenge of updating traditional manual processes, lengthy inspection tasks and time-bound productivity yield with modern digital shape sampling methods, companies such as Howmet Castings, a world leader in the investment casting of super alloys turn to Geomagic for inspection process improvement. Working with GE Power Systems, Honeywell, Pratt & Whitney, MTU, Howmet, Siemens, Solar Turbines and PCC Airfoils, decision-makers rely on Geomagic to assemble the turbine solution to help them meet the most stringent requirements.

Complement CMM with a Transition to DSSP-based Inspection



First article inspection with Geomagic Qualify and Geomagic Blade saves cost, provides better inspection results and delivers higher quality with optimal efficiency. With the ability to work alongside or replace existing inspection processes to improve results, the Geomagic Blade extension shortens the time to validate mold design and inspect manufactured components.

Inspection professionals know repeatability is critically important. The Geomagic Blade extension calculates where to measure and with one click, allows you to see all dimensions of a blade. Allowing for fast measurement comparison across blades and enabling internal analysis to evaluate the parameters of critical characteristics, the Geomagic Blade extension enables better inspection thereby reducing failure rates and increasing safety.