



Geometric

Press Release

Geometric Americas, Inc.

15974 N 77th St, Suite 103
Scottsdale, AZ 85260-1790 USA

T +1.480.367.0132

F +1.480.367.0420

For Immediate Release

Geometric announces ‘Machine to the Mean’ capabilities for CAMWorks 2016

CAMWorks 3D CNC Machining Software automates Machining to Mean in SOLIDWORKS 2016, eliminating costly, time-consuming model offsets and rebuilds

Scottsdale, AZ, USA, & Mumbai, India – January 27, 2016: [Geometric Limited](#) (BSE: 532312, NSE: GEOMETRIC), a global leader in 3D CNC machining software, today announced the addition of automated ‘Machine to the Mean’ capabilities when working with SOLIDWORKS® parts and assembly files that contain tolerance— or geometric dimensioning and tolerance (GD&T)—information. These automated mean tolerance calculation capabilities will eliminate the common practice of having to manually calculate allowances when defining CNC tool paths or the need to rebuild 3D models to mean geometry, thus eliminating potential mistakes, while saving time and money, and streamlining the transition from design to manufacturing.

Available through an upcoming, second-quarter 2016 point release of CAMWorks® 2016 software, the new ‘Machine to the Mean’ capabilities eliminate long-standing issues surrounding differences between design practices required to tolerance parts based on fit, form and function vs. manufacturing’s need to machine geometry based on mean dimensions and tolerances. CAMWorks 2016 is the only mainstream CNC application that can calculate the mean tolerance and automatically generate the correct information for tool path generation.

“Every part or assembly that has tolerances designed for specific functional requirements—such as slip fits, press fits, etc.—require tolerance specifications that have different upper and lower or asymmetric limits,” explains Jim Foster, Vice President of Global Channel Sales & Marketing at Geometric. “This has long caused extra work for manufacturing professionals because parts are machined to a nominal dimension using methods and tools that provide an equal resulting tolerance on each side of a mean dimension. For years, CNC programmers have had to manually calculate mean dimensions and tolerances and then offset edges and surfaces in the manufacturing model or, rebuild 3D parts to take this into account, a practice that is time-consuming and prone to error.”

“With this new capability, CAMWorks 2016 software will automatically calculate the mean dimension and required tolerance for manufacturing and then use this information to select the correct tooling, machining strategy, and generate the toolpath.” Foster stresses. “The impact of this solution is that CAMWorks users won’t have to rebuild models or add offsets anymore because they will be able to machine to the mean automatically, saving time, reducing costs, and improving quality.”

About CAMWorks:

CAMWorks, a parametric, solids-based CNC programming software system, brings in a revolutionary way to help machinists around the world program smarter and machine faster. CAMWorks significantly reduces programming time and removes the drudgery from CNC programming by using patented Feature Recognition technology in conjunction with full toolpath to solid-model associativity and knowledge-based machining. For more information, go to www.camworks.com.

About Geometric:

Geometric is a specialist in the domain of engineering solutions, services and technologies. Its portfolio of Global Engineering services, Product Lifecycle Management (PLM) solutions, Embedded System solutions, and Digital Technology solutions enables companies to formulate, implement, and execute global engineering and manufacturing strategies aimed at achieving greater efficiencies in the product realization lifecycle.

Listed on the Bombay and National stock exchanges in India, the company recorded consolidated revenues of Rupees 11.05 billion (US Dollars 180.61 million) for the year ended March 2015. It employs over 4800 people across 13 global delivery locations in the US, France, Germany, Romania, India, and China. Geometric has been assessed at Maturity Level 3 for CMMI 1.3 - Development and CMMI 1.3 - Services for its Software and Engineering Services business units and is ISO 9001:2008 certified for engineering operations. The company's operations are also ISO 27001:2005 certified.

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For more information, please contact:

Kavita Karnani

+91.20.40284496

kavita.karnani@geometricglobal.com