



ANSYS Engineering Simulation Solutions Meeting Customer Needs At TimkenSteel

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PITTSBURGH, Feb. 17, 2014 /PRNewswire/ -- TimkenSteel (NYSE: TMST), a leading manufacturer of special bar quality (SBQ) large bars and seamless mechanical tubing, is leveraging the power of ANSYS (NASDAQ: ANSS) simulation to solve customers' engineering challenges.



TimkenSteel creates tailored products and services for its customers' most demanding applications. Its engineers are experts in both materials and applications and work closely with customers to deliver solutions tailored to their applications and supply chains. To quickly develop those custom services, TimkenSteel uses ANSYS computational fluid dynamics (CFD) solutions to simulate material behavior during the heat treat process. These simulations reduce trial-and-error in the plant to optimize heat-treated steel products. TimkenSteel's products are used in the manufacture of components for the agricultural, construction, military, mining, oil and gas, power generation and rail markets.

"TimkenSteel will continue to use the best predictive tools to optimize our products for our most demanding customers, and ANSYS has established a prominent place in our arsenal of sophisticated modeling capabilities," said Ray Fryan, vice president of technology and quality at TimkenSteel.

TimkenSteel, recently spun off by The Timken Company, manufactures a wide range of alloy, carbon and micro-alloy steel with an annual melt capacity of approximately 2 million tons. The company's product lines include SBQ bars, seamless mechanical tubing and precision steel components. TimkenSteel also has extensive research and development capabilities to answer customers' toughest engineering challenges.

"We were impressed by the breadth and depth of ANSYS® Fluent®, its capabilities for industrial design applications and by the excellent service that ANSYS provides," said Don Cao, product engineering specialist at TimkenSteel who specializes in advanced modeling. "Fluent's fast, accurate CFD results are helping us to optimize productivity and quality – and give our customers exactly what they need."

"TimkenSteel is a new company with 100 years of experience that is helping to transform an industry," said Gilles Eggenspieler, senior fluid product line manager at ANSYS. "With the addition of Fluent, TimkenSteel joins thousands of organizations worldwide that benefit from the use of ANSYS solutions as an integral part of the design and optimization phases of their product development activities."

About TimkenSteel Corporation

TimkenSteel (NYSE:TMST, timkensteel.com) creates tailored steel products and services for demanding applications, helping customers push the bounds of what's possible within their industries. The company reaches around the world in its customers' products and leads North America in large alloy steel bars (6"+) and seamless mechanical tubing made of its special bar quality steel, as well as supply chain and steel services. Operating from six countries, TimkenSteel posted sales of \$1.4 billion in 2013. Follow us on Twitter @TimkenSteel.

About ANSYS, Inc.

ANSYS brings clarity and insight to customers' most complex design challenges through fast, accurate and reliable engineering simulation. Our technology enables organizations — no matter their industry — to predict with confidence that their products will thrive in the real world. Customers trust our software to help ensure product integrity and drive business success through innovation. Founded in 1970, ANSYS employs over 2700 professionals, many of them expert in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, embedded software, system simulation and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 75 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

ANSYS also has a strong presence on the major social channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

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