



Tork Trux Advances Skateboarding with Autodesk Product Design Suite

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Digital Prototyping Helps Create Enhanced Skateboard Component to Simplify Skateboard Assembly, Provide Safer Ride

SAN RAFAEL, Calif., Jul 12, 2011 (BUSINESS WIRE) --

Tork Trux (Tork), a skateboard component company, is using [Autodesk Product Design Suite](#) from [Autodesk, Inc.](#) (NASDAQ: ADSK), to successfully advance its mission of "revolution through skateboard evolution."

Based in Charlotte, N.C., Tork used Autodesk Product Design Suite virtual design software to realize the company's vision of a super-light skateboard truck that is easy to securely fasten to the board, without the need for multiple tools.

Tork has developed ACT (Advanced Capturing Technology), a superior type of skateboard "truck" -- the metal axle component that attaches the wheels to the board -- that integrates a built-in wrench shape into the baseplate portion of the truck design. Equally as important is the use of a flange nut that keeps the nut in the wrench-shaped area, allowing skateboarders to attach the trucks to the board without having to use their fingers at all.

"Skateboarders used to have to juggle a skateboard, a truck, a screw and a nut while using two separate tools to attach the trucks," said Dustin Clark, president of Tork. "Our built-in wrench shape greatly simplifies skateboard assembly, ensuring that the nuts stay in place and don't come loose while skating."

Design Suite Brings Product from Concept to Market

The name *Tork Trux* is a play on the concept of torque, the turning force provided by a wrench. Tork Trux was entirely designed using [Autodesk Inventor](#) software. Using the built-in finite element analysis (FEA) tools within Inventor helped Tork develop the truck to be sufficiently strong enough to withstand the stresses of riding, while eliminating unnecessary material and making the truck as lightweight as possible. The company also used Inventor software to create a short animation [video](#) of assembly instructions.

[Autodesk Alias](#) software enabled Tork to make design variations to the truck, such as varying truck widths for different sizes of skateboards. The company was also able to explore and visualize different color combinations using [Autodesk Showcase](#) software to create vivid and realistic 3D renderings of its skateboards. Tork Trux even used [Autodesk SketchBook Designer](#) to design the company logo.

"[Digital Prototyping](#) helps transform a great idea into a great product, in less time and with less cost. That's what Tork has done," said [Robert "Buzz" Kross](#), senior vice president, Manufacturing Industry Group at Autodesk. "With the Autodesk Product Design Suite, any manufacturer can innovate smarter and faster."

About Tork Trux

Headquartered in Charlotte, N.C., Tork Trux is leading a revolution through skateboard evolution. Its Tork Trux featuring ACT (Advanced Capture Technology) is enabling the easiest assembly ever for skateboarders. For additional information, visit www.torktrux.com or [Tork Trux on Facebook](#).

About Autodesk

Autodesk, Inc., is a leader in [3D design](#), engineering and entertainment software. Customers across the manufacturing, architecture, building, construction, and media and entertainment industries -- including the last 16 Academy Award winners for Best Visual Effects -- use Autodesk software to design, visualize and simulate their ideas. Since its introduction of AutoCAD software in 1982, Autodesk continues to develop the broadest portfolio of state-of-the-art software for global markets. For additional information about Autodesk, visit www.autodesk.com.

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