

FOR IMMEDIATE RELEASE

Sandvik set to rock Engineering Design Show with world's first smash-proof, all-metal guitar

Global engineering group Sandvik will showcase its cutting-edge 3D-printed stainless steel guitar at the upcoming Engineering Design Show on 16 October 2019 in Coventry, UK.

[VIDEO: The Smash-Proof Guitar:

<https://www.youtube.com/watch?v=k1hxZyD9VGI>]

The innovative instrument was engineered collaboratively by highly skilled specialists from Sandvik Machining Solutions, Sandvik Coromant and Sandvik Materials Technology, who employed the latest techniques in additive manufacturing and metallurgy to deliver both high precision and extreme durability.

Swedish rock legend Yngwie Malmsteen has put the guitar through its paces, first by playing his trademark tunes and then – in true rockstar style – attempting to smash it. Despite his repeated efforts, the structure held firm, earning the guitar its 'unbreakable' tag.

Experts from Sandvik will take to the stage at Engineering Design Show 2019 to share the secrets in a presentation entitled 'Designing the Unbreakable Guitar', on Wednesday 16 October at 3:15pm.

Visitors will learn about the advanced technology, specialist materials and serious challenges involved in designing and building the one-of-a-kind instrument. And, in a first for the annual show, delegates will also be treated to a live musical performance to demonstrate the guitar's capabilities.

Amelie Norrby, additive manufacturing engineer at Sandvik, added: "We're incredibly excited to be able to share the Unbreakable Guitar at the Engineering Design Show. With all the innovations being showcased, this is the perfect place to explore the complex manufacturing

challenges, state-of-the-art technologies and new methods that came together to create this masterpiece.”

Visitors to the exhibition will have the opportunity to see the guitar up close on Wednesday 16 October by visiting the Sandvik stand B65, where experts from Sandvik’s tube division will also be on hand to discuss the role of high-performance materials.

Nicki Jackson, Event Director at the Engineering Design Show, said: “The Engineering Design Show has been highlighting the very latest technologies and design techniques since 2012 and we are delighted that the Sandvik smash-proof guitar will be another first for the show. Being able to touch, see and hear the guitar will enable visitors to fully understand the complexity of the design and manufacturing techniques utilized.”

The Engineering Design Show is the UK’s largest exhibition and conference entirely dedicated to the needs of the design engineering community, and will feature the latest technologies, materials, tools, software and services driving design engineering forward, including state-of-the-art robotics.

Delegates will discover Sandvik’s range of innovative corrosion-resistant materials (CRMs). Products include seamless tube and pipe, hydraulic and instrumentation (H&I) tubing, tubes for heat exchangers and high temperature applications, along with solid and hollow bar.

Helen Harvey, Regional Sales Director UK, Ireland & Turkey, said: “Our team is looking forward to talking with operators, developers and original equipment manufacturers (OEMs) about how Sandvik can help them attain greater reliability with added value across their operations, and help fight off corrosion, avoid unplanned shutdowns and boost productivity.”

The Engineering Design Show The exhibition takes place at Ricoh Arena, Coventry, UK, on 16 – 17 October 2019. For event updates and to register for your free place, visit:

www.engineeringdesignshow.co.uk

1 October 2019

Notes:

About Sandvik

Sandvik is a high-tech and global engineering Group with about 42,000 employees and a strong commitment to enhancing customer productivity, profitability and safety. Operations are based on unique expertise in materials technology, extensive knowledge about industrial processes and close customer cooperation. This combination, coupled with continuous investments in research and development (R&D), has enabled us to achieve a world-leading position in the following areas:

- Tools and tooling systems for industrial metal cutting
- Equipment and tools, service and technical solutions for the mining and construction industries
- Advanced stainless steels and special alloys as well as products for industrial heating

For more information on Sandvik, visit materials.sandvik

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