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Stratasys 3D Printed Shoes Dazzle at Paris Fashion Week, Iris van Herpen's Couture Show

Iris van Herpen collaborates with designer Rem D Koolhaas to design intricate geometries of nature-inspired shoes for latest couture collection at Paris Fashion Week

MINNEAPOLIS & REHOVOT, Israel--(BUSINESS WIRE)-- [Stratasys Ltd.](#) (NASDAQ: SSYS), a leading manufacturer of 3D printers and production systems for prototyping and manufacturing, today announced the unveiling of 12 pairs of 3D printed shoes on the famous catwalks of Paris Fashion Week at Iris van Herpen's Couture show 'Wilderness Embodied.' In collaboration with Dutch designers Iris van Herpen and Rem D Koolhaas, Stratasys 3D printed the shoes with a number of intricate geometries designed to mimic elements of nature and push the boundaries of fashion design.



"For me, fashion has always been about setting your own boundaries and making a statement," commented van Herpen. "This time around, Rem and I wanted to create something that echoed the beauty and wilderness of the natural world, so we decided to use the technological capabilities of 3D printing to bring this concept to life through a pair of shoes."

Video: Click [here](http://bit.ly/19T7snW) to watch Iris van Herpen and Rem D Koolhaas discuss the design process and see the 3D printed shoes on the catwalk: <http://bit.ly/19T7snW> (Photo: Stratasys Ltd.)

Following the storming success of van Herpen's recent collaboration with Stratasys, which saw the creation of an elaborate 3D printed dress together with Professor Neri Oxman, van Herpen teamed up with Rem D Koolhaas to design a tree root inspired shoe. Featuring intricate lattices that wind around the foot, the shoe mirrors the

natural growth of tree roots. The shoes were 3D printed using Stratasys [rigid opaque](#) black and white materials on the PolyJet-based multi-material [Objet Connex](#) and [Objet Eden](#) 3D Printers whose high resolution enabled the complex geometries integral to the design.

"We knew the capability of the technology in terms of quality, immediacy and creativity from our previous collaboration on the 3D printed dress with Professor Neri Oxman and Stratasys. Yet it still amazes us how 3D printing can produce such beautiful shoes that perform remarkably under the stress of being walked in," explained van Herpen. "The Stratasys rigid black material was fantastic in giving the shoes a glossy look that would catch the eyes of the audience at the show."

This is the first time Koolhaas, Creative Director and Founder of United Nude, an architecture inspired shoe company, has produced and showcased an entire 3D printed shoe on the catwalk. According to Koolhaas, the combination of Van Herpen's inspirational ideas,

Stratasys 3D printing innovation, and United Nude's shoe engineering expertise will hopefully inspire shoe designers of the future to unleash their own creativity and explore new approaches previously unthinkable.

"I'm thrilled with the results, they're stunning and original. Iris is very dramatic with her concepts and the shapes she wanted were only possible with 3D printing – they are almost like a sculpture on your feet, mimicking nature," said Koolhaas. "Working with Stratasys also enabled us to quickly test the shoes during the design process and adjust our concepts for optimal function and form. So it was easy to make changes and get exactly what we wanted. Once we locked down the perfect design, we printed 12 pairs of fashion shoes in less than a week."

"We are delighted to again be working with such prominent fashion designers on such a prestigious collection. This is the second time for us at the Paris Fashion Show with Iris van Herpen and each time we are amazed at her ability to re-invent fashion with the help of Stratasys 3D printing," said Arita Mattsoff, Vice President Marketing for Stratasys. "We believe that 3D printing has become a true creative-enabler for the fashion world. Designers are no longer limited with conventional manufacturing. They can now produce virtually anything they can imagine. For that reason, we feel that 3D printing will become more and more an integral part of fashion design curriculums."

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About Stratasys Ltd.

Stratasys Ltd. (Nasdaq: SSYS) is the corporate entity formed in 2012 by the merger of 3D printing companies Stratasys Inc. and Objet Ltd., based in Minneapolis, Minn. and Rehovot, Israel. We manufacture 3D printers and materials for prototyping and production. Our patented FDM[®] and PolyJet[®] processes produce prototypes and manufactured goods directly from 3D CAD files or other 3D content. Systems include affordable desktop 3D printers for idea development, a range of systems for prototyping, and large production systems for direct digital manufacturing. Since June 2012, our range of over 130 3D printing materials is the widest in the industry and includes in excess of 120 proprietary inkjet-based photopolymer materials and 10 proprietary FDM-based thermoplastic materials. We also manufacture Solidscape 3D Printers and operate the RedEye On Demand digital-manufacturing service. Stratasys has more than 1100 employees, holds more than 500 granted or pending additive manufacturing patents globally, and has received more than 20 awards for its technology and leadership. Online at: www.stratasys.com or <http://blog.stratasys.com>.

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