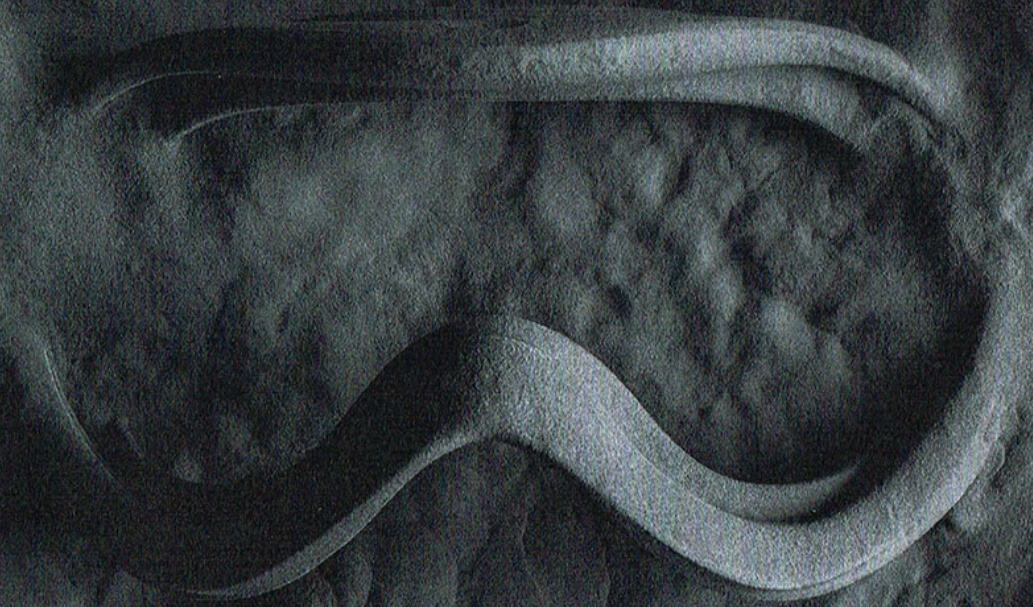


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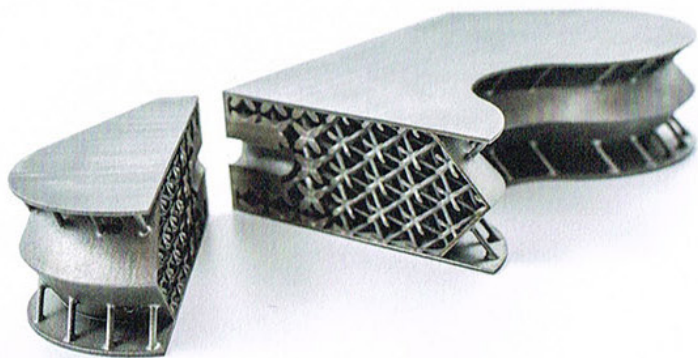


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EXHIBITION PREVIEW



AUTOMATION POWER AND FLEXIBILITY

At formnext 2017, Materialise will address three major market demands: speed, quality, and technology innovation. With new software releases and the expansion of its Factory for 3D Printing, Materialise will showcase how it's enabling customers to take 3D printing to the next level.

New automation tools in the Materialise Streamics and Robot software enhance the overview of production sites, reducing operating times and expenses associated with manual labor.

The new Magics 22 brings exciting integration tools with simulation software, and Materialise will be offering live demonstrations of

how to use digital tools to add the control and quality necessary to print a part right the first time around.

The company will also be showcasing how industries are taking full advantage of 3D printing, from developing better products to optimizing supply chains to innovating business models. Furthering this commitment to help their customers make full use of innovations in 3D printing, Materialise is expanding its 3D printing capacity to a total of six HP Jet Fusion 3D 4200 machines, becoming one of the largest service providers of Multi Jet Fusion printing worldwide.

» Materialise at formnext 2017: 3.0-C48

»HIGHLY DYNAMIC LASER BEAM GUIDANCE«

Greater speed is the next step that can reinforce the importance of Additive Manufacturing of components and entire products. However, the speed of additive metal production plants depends to a large extent on the speed of the laser beam deflection units, exact control of the laser source, and fast focusing of the laser beam.

Raylase promises to deliver a solution for this with its »AM module«. The first model variant to go into series production, »AM Module Next Gen«, will be presented by the German company for the very first time at formnext 2017. Raylase considers the most important application industries to include aerospace, automotive, and medical technology.

The module is equipped with completely new digital control and electronics, and according to Raylase, offers »optimal position stability of the laser beam, homogeneous power distribution on the workpiece, highly-dynamic laser beam guidance with targeted modification of the spot diameter, and process monitoring with autonomous focusing.«

» Raylase at formnext 2017: 3.0-B88



LAMP AND SPEAKER IN ONE

The designer speaker »Alux« from Alice Barki is a current example of what DigitalWax 030X from Italian manufacturer DWS can offer. Production of the speaker, which also serves as a lamp, takes 48 hours on the stereolithography printer. Postproduction, which lasts a good 20 minutes, comprises a water and alcohol bath and UV irradiation.

DWS specializes in hi-tech solutions for prototyping and rapid manufacturing using

stereolithography. The Italian manufacturer's production range includes jewelry and accessories, dental products, industry and design products, as well as professional consumer goods, and it exports to more than 60 countries worldwide.

With a build volume capacity of 300 x 300 x 300 millimeters, the DigitalWax 030X can create filigree objects with high-quality surfaces from plastics such as ABS, polypropylene, elastomer, or nanoceramics.

» DWS at formnext 2017: 3.1-E88