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[RAYLASE Will Present Products and a Wealth of Experts On-site to the Additive Manufacturing Industry at formnext 2019 in Frankfurt](#)

From 19 to 22 November 2019, **RAYLASE** will present its latest products and the solutions that can be realised with these in the field of additive manufacturing at the **formnext** trade fair in Frankfurt. RAYLASE will be represented at Stand D59 in Hall 11. "This year once again, formnext represents a highlight in our calendar of events at RAYLASE", says Dr Philipp Schön, CEO of RAYLASE. "Additive manufacturing is one of the most important applications in laser material processing. Our products and solutions offer significant technological innovations for this emerging market".

Visitors to the RAYLASE stand at formnext 2019 will have an opportunity to receive information about products and solutions directly from the experts in our company. "But our offering is also much broader. After all, it's topics like AM series production and industrial applications that are driving the sector. And we've something to offer there too", adds Dr Schön.

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For all these reasons, RAYLASE and our specially selected team of experts are really looking forward to presenting innovative solutions for additive manufacturing in Frankfurt. The following highlights are in store for industry experts attending formnext 2019:

PREMIERE: AXIALSCAN FIBER-20 for Additive Manufacturing

The AXIALSCAN FIBER-20, with its pre-focusing feature, is ideal for boosting the productivity of modern AM powder bed machines. Thanks to its ability to form a quadruple design set up, this deflection unit can increase efficiency 4-fold across the process field. The units are optimised for seamless integration and reliable operation, in particular in powder bed machines (SLM). Process monitoring is also integrated, so that the quality of the AM process can be checked at any time.



New deflection units AXIALSCAN FIBER-20 and AXIALSCAN FIBER-30 (Photo courtesy of RAYLASE)

ULTRADYNAMIC AM SOLUTION: AM-MODULE NEXT GEN

The AM-MODULE NEXT GEN for fibre-coupled lasers boasts homogeneous power density and exceptionally low drift values. It enables ultradynamic, rapid processing with flexible spot diameters and is available in 2 variants – as a Standard-Module or as a High-Performance-Module with fully digital galvanometer scanners. The AM-MODULE NEXT GEN is designed for use in the manufacture of ultra-high precision components that must satisfy particularly high safety specifications. This version is of particular interest for

users in the aerospace industry, automotive manufacturing and medical engineering.

SMALL AND POWERFUL: MINISCAN III-20

Common applications for the MINISCAN III-20 deflection unit include, in particular, challenging marking tasks or the filling of surfaces in additive manufacturing, where dynamic responses are essential. Speed and dynamic responses are guaranteed, thanks to digital control and powerful PWM output stages.



Photo courtesy of Raylase GmbH

WE'RE WORTH A VISIT!

In addition to these highlights, we will, of course, be happy to provide our visitors from the industry with information about all RAYLASE products that are relevant to the AM process, such as SUPERSCAN IV-15 hatching, the SP-ICE-3 control card and our AM JOB CONVERTER.

The RAYLASE team is looking forward to having lots of interesting conversations and encountering some new and inspiring challenges at formnext 2019 in Frankfurt.

About RAYLASE

RAYLASE GmbH, from Wessling near Munich, offers high-precision products for fast deflection and modulation of laser beams. These comprise top-quality optical elements, high-precision deflection units and control electronics with intuitive software.

Our products form the cornerstone of versatile industrial laser systems for established and high-end laser techniques for laser processing. From the laser marking of organically farmed oysters, to the manufacture of e-mobility battery cells, to the production of 3D

workpieces from metal powder in additive manufacturing. Laser material processing with RAYLASE solutions is flexible, innovative and cost-effective.

Since 1999, we've been enabling manufacturers, integrators, plant manufacturers and researchers to harness the possibilities of laser technology with our unique performance and reliability.

With our innovative solutions, we at RAYLASE are helping create a sustainable future. And, because the development and implementation of solutions like these represent a challenge, we continuously strive for excellence; act responsibly, fairly and cooperatively; and always go the extra mile in providing our customers with the right solutions.

Source: RAYLASE GmbH

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