



The 3D platform enables the production of millions of industrial parts, for example. Image credit: Exentis

Exentis revolutionizes the production of ultra-fine structures

15 August 2023 09:48

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Exentis Group AG

Stetten - Exentis' 3D technology can increase efficiency and quality in the production of ultra-fine filter structures. According to a study, one exemplary advantage of this Swiss technology is improved imaging in innovative X-ray devices.

Exentis' 3D technology is well positioned to fully develop its key benefits in the production of ultra-fine filter structures, according to a study by the management consultancy Roland Berger. Exentis Group AG from the canton of Aargau is the leading provider of a 3D technology platform for industrialized manufacturing. The platform enables the production of millions of industrial parts or cleanroom applications such as tablets on a single 3D production system. In addition to the strategic business field of Ultra-fine Structures, Exentis focuses on the business areas of New Energy and Pharma & Medtech.

For the ultra-fine filters that are relevant to Exentis, Roland Berger's experts expect annual growth of 6 per cent until 2026. Exentis' focus is on micro-disc filters, which are used in the automotive industry, among others; casting filters, for a wide range of industrial applications; and X-ray collimators. None of these areas has to date deployed 3D technologies, due to obstacles including the small quantities that could previously be achieved with 3D processes. Exentis' 3D technology platform, on the other hand, can achieve large-scale industrial production of these parts.

Unlike other manufacturing processes, the use of Exentis' 3D technology makes it possible to optimize materials. For example, tungsten, the preferred material for X-ray collimators, can be processed much better with 3D screen printing. In addition to a broad material portfolio ranging from metals and ceramics to biomaterials, the technology also facilitates multi-material processing. Up to four materials can be printed in one layer or across layers. ce/yvh

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Swiss aviation industry well represented at the Paris Air Show

20 June 2023 14:44

Le Bourget - In total, 40 Swiss companies are in attendance at the Paris Air Show. The SWISS Pavilion is being organized by Swissmem. The official Swiss delegation is headed up by the National Armaments Director Martin Sonderegger.

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Keepars continues to grow

15 June 2023 16:11

Allschwil - Keepars, based in the canton of Basel-Landschaft, is planning to expand further in Europe and the Middle East. It is set to open a site in Abu Dhabi this year, and another in France, where it intends to step up its activities of clients' support as well as research and development activities focusing on hearing systems for extreme environments.

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Carbomill expands aerospace offering

15 June 2023 12:04

Seon - Carbomill AG is now offering the production process of electrical discharge machining (EDM) to the aerospace industry. The mechanical high-end processing specialist based in Aargau has enlarged its machine fleet to do so.

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Airwork & Heliseilerei bring many production steps in house

15 June 2023 11:15

Immensee - Airwork & Heliseilerei has established more and more competences and machines in Immensee in the canton of Schwyz over recent years. This has shortened production routes and supply chains and quantifiably improved processes. It also enables even greater consideration of client wishes.

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