Press Release

Exentis Group and Fraunhofer IFAM amplify co-operation for the expansion of Industrialized 3D Production

- **Fraunhofer IFAM Dresden launches new Exentis 3D Development System for 3D Screen Printing**
- **Connecting Application Development and Industrialized 3D Production**

Stetten, Switzerland, November 4th, 2021 - Exentis Group AG, the independent market leader in Industrialized Additive Manufacturing, and the Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, as part of the Fraunhofer Society, one of the most important independent research institutions in Europe, are amplifying their co-operation in the expansion of Industrialized 3D-Production.

The Fraunhofer IFAM has therefore launched a new Exentis 3D development system at its Dresden site. With its sustainable cold printing process, the 3D screen printing technology allows the processing of a wide range of materials, including active pharmaceutical ingredients, and enables the production of ultra-fine structures.

Thomas Weißgärber PhD, Director of Fraunhofer IFAM Dresden: “Through the collaboration with Exentis, we are offering our customers for the first time the bridge to Industrialized 3D Manufacturing. After the development of a specific material or application for the customer in-house, the customer can have their components mass-produced at Exentis or acquire an in-house production licence.”

This significantly shortens the time between component development and industrial series production. “Customers who are interested in 3D screen printing technology

are invited to visit Fraunhofer IFAM in Dresden to learn more about the wide range of possible 3D screen printed applications."

Gereon Heinemann PhD, Chief Executive Officer of Exentis: "For Exentis, the cooperation with Fraunhofer IFAM is of utmost importance. With its comprehensive development know-how for materials and component geometries, Fraunhofer IFAM connects industry demands with us as an innovative 3D large-scale manufacturer for flexible and cost-effective 3D components."

About Fraunhofer IFAM Dresden

Fraunhofer IFAM in Dresden is one of the leading institutions in the field of powder metallurgy. In both basic and applied research, solution-oriented material and technology developments for innovative sintered and composite materials, functional materials for energy technology and medical technology and cellular metallic materials are driven forward.

The range of services includes the industrial implementation of research results through to the production of prototype components and transfer to industrial applications.

About Exentis

As a solution provider, Exentis offers large-scale production of components with free choice of materials and ultra-fine geometries. Industrialized Additive Manufacturing creates a new level of flexibility in 3D manufacturing processes and replaces time-consuming and costly tooling production when using established manufacturing technologies. Exentis optimizes the entire process chain from the development project to the industrial production of millions of components for the application fields of industrial e-mobility, fuel cells or med-tech, among others. This enables the customer to decide between production of the components at Exentis or in-house production with a manufacturing licence when purchasing the Exentis 3D development and production systems.

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