

Press information

Kyocera is now offering ceramic 3D printing in Europe

KYOCERA Fineceramics Europe GmbH is now offering the production technology “Ceramic Additive Manufacturing” for customers in Europe. Using this method, it is possible to manufacture products with complex geometries and almost any type of customized shape. In addition, prototypes can be created very quickly, allowing production volumes of thousands of units per week to be reached in a short period of time.

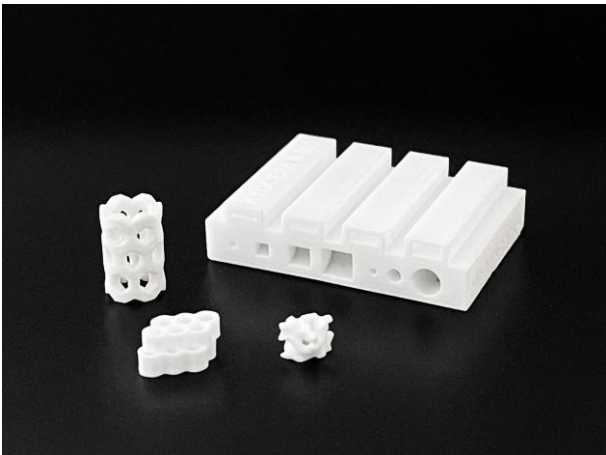
Kyoto/London, 10th April 2025. Kyocera’s Ceramic Additive Manufacturing uses alumina and zirconia as base materials. Products and components produced with 3D printing technology have the same material properties as products made by using more traditional processes such as injection molding or isostatic pressing. In comparison to these methods, CAM offers the advantage of being able to realize complex geometries and almost any customer-specific shape.

Alumina is a versatile ceramic material with high strength, stiffness, and wear resistance. Zirconia is characterized by high mechanical strength, toughness and wear resistance. Therefore, both materials are a good choice for applications requiring a long service life. Ceramic additive manufacturing enables low tolerances, narrow channels, composite shapes and much more.

Quickly from prototype to large-scale production

With a lead time of about two weeks, it is possible to produce prototypes. A subsequent transition to large-scale production of up to thousands of units per day is possible in a very short time. In contrast to other production processes, no costs or time are incurred for the production of special tools.

It is possible to make design modifications in real time by making changes to the 3D CAD model. This even allows the simultaneous production of several iterations of a design. The manufacturing processes for prototypes are identical to those for series production. Even complex forms such as internal passages and cavities, interlocking assemblies or curved surfaces can be realized. It is also possible to integrate text, logos, labels and serial numbers. Examples of CAM-printed components include medical implants, spray nozzles, electrical coils and insulators, fluid flow / internal tubing or valves and bearings.



CAM printing technology can be used to produce parts in complex shapes. Even the production of internal passages and cavities, interlocking assemblies or curved surfaces is possible.

Technical specifications: CAM-printed objects have a wall thickness between 0.25 and 10 mm. The maximum size of a single object is 200 x 105 x 40 mm. The tolerances are below +/-1 % (as-fired).

Comprehensive range of CAM-related services

Kyocera offers a wide range of services related to [Ceramic Additive Manufacturing](#). These include 3D design and modeling with CAD, structural and flow analyses (FEA/CFD) as well as conjugate heat transfer analysis. In addition, CAM enables computer-aided machining of parts with multiple axes.



For more information on Kyocera: uk.kyocera.com

About Kyocera

Kyocera has been successful in Europe for over 50 years. From its European headquarters in Esslingen am Neckar, KYOCERA Europe GmbH operates 28 sites including manufacturing facilities, with products ranging from fine ceramics, electronics, automotive, semiconductor and optical components to industrial tools, LCDs, touch solutions, industrial printing components, solar systems and consumer goods such as kitchen and office products.

Kyocera's high-performance ceramic products are produced and distributed by [KYOCERA Fineceramics Europe GmbH](#), a subsidiary of KYOCERA Europe GmbH. The Kyocera Group is one of the world's leading providers of high-performance ceramic components for the technology industry, offering over 200 different ceramic materials, as well as state-of-the-art technologies and services tailored to the specific needs of each market.

KYOCERA Europe GmbH is a company of the KYOCERA Corporation headquartered in Kyoto/Japan, a world leader in semiconductor, industrial and automotive components as well as electronic components, printing and multifunction systems, and communications technology. The technology group is one of the world's most experienced manufacturers of smart energy systems, with more than 45 years of industry expertise. The Kyocera Group comprises 292 subsidiaries (31 March 2024). In England, Kyocera has a subsidiary in Frimley, KYOCERA Fineceramics Ltd. With around 79,200 employees, Kyocera generated net annual sales of around EUR 12.29 billion in the 2023/2024 fiscal year.

Kyocera is ranked 874 on Forbes magazine's 'Global 2000' list for 2024, and ranked as 'The 100 Most Sustainably Managed Companies in the World' according to the Wall Street Journal. For the second year in a row, Kyocera qualified for the Dow Jones Sustainability Index (Asia-Pacific). As well, Kyocera receives a Bronze rating on EcoVadis Sustainability Survey and was acknowledged as a 'Top 100 Global Innovator 2025' for the ninth time by Clarivate, being one of the world's leading innovators.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr Kazuo Inamori — to individuals worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (equivalent to approximately €596,500 per prize category).

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