Press Information

Kyocera receives BSFZ seal of approval for research and development activities for the fourth time

KYOCERA Fineceramics Europe GmbH has once again been recognised for its innovative expertise. The beneficiary projects focus on a new process for the additive manufacturing of large-format components made of silicon-infiltrated silicon carbide (SiSiC) for high-performance industrial applications.

Kyoto/London, 26th February 2026. KYOCERA Fineceramics Europe GmbH has received the Research Allowance Certification Authority (BSFZ) seal of approval for the fourth consecutive time. Three projects were submitted for recognition, all of which met the criteria of novelty, unpredictability and systematic planning.

'The fact that we have once again been awarded the BSFZ seal highlights our ongoing commitment to innovation in research and development,' says Dr Nikolaos Katsikis, Kyocera CTO. 'Additive manufacturing of SiSiC ceramic components represents an important milestone for us, strengthening our technological position in the field of high-performance products.'

Additive manufacturing with SiSiC – maximum design freedom

The current award focuses on developing a highly innovative process for additive manufacturing with silicon-infiltrated silicon carbide (SiSiC), for which Kyocera has now also received the BSFZ seal for 2026. By establishing the binder jetting process at its Selb site, the company is expanding its portfolio in the field of high-performance technical ceramics, creating new opportunities for manufacturing complex, large-format components.

As part of its research and development activities, Kyocera is working continuously to optimise materials and processes further, with the aim of expanding the range of applications for additively manufactured SiSiC components even more in the future.

Examples of additive manufacturing with SiSiC

Other projects: High-pressure containment shells and semiconductor components

In addition to the 3D printing project, which was awarded the 2026 seal, two other research and development projects were also considered for the 2025 BSFZ seal of approval, both of which were designed for particularly challenging application conditions. One of these projects focuses on containment shells made of magnesium oxide-stabilised zirconia. These shells are used as pressure-bearing separating elements in magnetically coupled pumps, including those used for transporting liquefied gases. The project aims to develop a process that is both resource-efficient and cost-effective for manufacturing thin-walled, high-pressure-stable containment shells for cryogenic applications, which are subject to increasingly stringent requirements in terms of high-pressure stability down to -200 °C at up to 94.5 bar.

The second project focuses on optimising silicon nitride plates for use as guide elements in probe cards for semiconductor manufacturing. With over 100,000 test pins per card, considerably higher requirements apply with regard to strength, flatness and surface homogeneity. The new production process enables the manufacture of high-strength silicon nitride (Si_3N_4) ceramics with a flexural strength of over 1150 MPa.

Expample for containment shells

Example for silicon nitride plates

About BSFZ

The Research Allowance Certification Office (BSFZ) is a Federal Ministry of Education and Research institution. It awards the BSFZ seal to companies whose research activities demonstrate a high level of technological relevance and innovation. This recognition helps research-based companies claim tax allowances for research and enhances Germany's profile as a location for innovation.

BSFZ-Seal 2025

BSFZ-Seal 2026

The press material is available for download via the following link:
https://spgroup.box.com/s/6gdtf64mvv856jsfuancsw0ff6hwh3xx

For more information on Kyocera: www.kyocera-fineceramics.de

About Kyocera

Kyocera has been successful in Europe for over 50 years. From its European headquarters in Esslingen am Neckar, KYOCERA Europe GmbH operates 29 sites including manufacturing facilities, with products ranging from fine ceramics, automotive, semiconductor and optical components to components for medical products, industrial tools, LCDs, touch solutions, industrial printing components, 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 renowned supplier in semiconductor, industrial and automotive components as well as electronic components, printing and multifunction systems, smart energy systems, and communications technology. Kyocera is one of the most experienced technology producers, with more than 65 years of industry expertise. The Kyocera Group comprises 288 subsidiaries (31 March 2025). With around 77,200 employees, Kyocera generated net annual sales of around EUR 12.43 billion in the 2024/2025 fiscal year.

Kyocera is ranked 1,123 on Forbes magazine's 'Global 2000' list for 2025 and ranked as 'The 100 Most Sustainably Managed Companies in the World' according to the Wall Street Journal. For the fourth time Kyocera has received an A ranking on the CDP A List for their performance on climate change. Kyocera has also received a silver rating in the EcoVadis Sustainability Survey and was acknowledged as a 'Top 100 Global Innovator 2026' for the tenth time by Clarivate, being one of the world's leading innovators.

Kyocera 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 €539,000 per prize category).

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