

Press Information

Kyocera presents its products at The Advanced Ceramics Show 2025

Kyocera will showcase its portfolio of semiconductor, fineceramic and automotive components at the exhibition and conference taking place on July 09-10 in Birmingham, UK.

Kyoto/London, 1st July 2025. In 2025, Kyocera will return to The Advanced Ceramics Show 2025 (Booth 1126), reaffirming its commitment to advancing key market segments. The company will present an array of innovative products and technologies aimed at enhancing everyday efficiency and convenience.

Kyocera seeks to reinforce its strategic role across the following core markets by consistently developing high-performance products and tailored solutions:

1. Semiconductor Components
2. Fineceramic Components (KYOCERA Fineceramics Europe GmbH)
3. Automotive Components

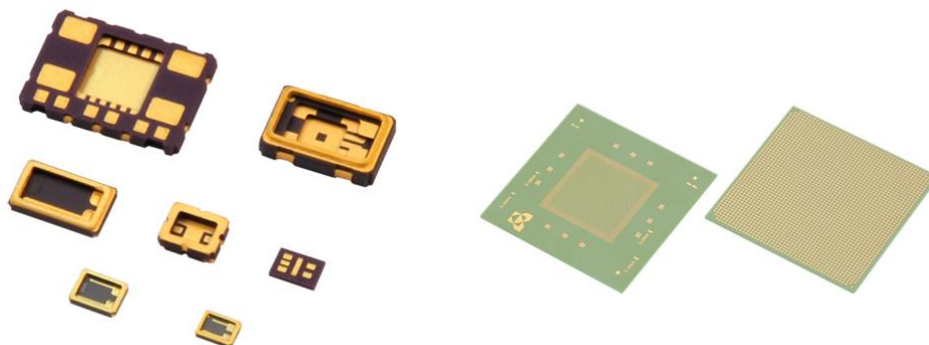
1. Semiconductor Components

As the demand for semiconductor solutions continues to grow across a range of industries, Kyocera dedicates its development efforts to versatile products suitable for various environments. The company focuses on several sectors, including:

- **Quantum technologies:** Designed for quantum computing, sensing, and secure communication, [Quantum Technologies](#) are used for fields such as finance, medicine, automotive, and chemical industries. Qubits, the core units of quantum information, allow for significantly faster and more complex calculations, along with highly sensitive magnetic field measurements. Kyocera offers advanced ceramics and assembly technologies to support these applications.
- **Aerospace:** [Aerospace](#) applications require circuitry and have to work reliably and accurately, even in special environments. Kyocera's ceramic packaging assists in the provision of these requirements and with the added advantage of hermeticity, stable dielectric properties as well as low-loss interconnects in a mechanically robust 3D or planar structure. As aerospace moves toward more integrated and power-efficient electronics, Kyocera's solutions provide the needed scalability and durability.
- **Data transfer:** Connectivity needs fast and reliable [data transfer](#) to deploy its vast possibilities, including Industrial IoT, smart healthcare, and autonomous mobility. Kyocera

contributes essential components for next-generation data highways, such as fiber optic Ethernet, and 5G/6G millimeter wave technologies.

- **Sensor packaging:** With Kyocera's tailored packaging technologies, clients can achieve improved sensor performance and meet specific technical criteria.



Semiconductor Components: MEMS sensor packages and LTCC material for faster data transfer

- **High class and low-cost ceramic technology:** Kyocera offers a variety of packages in order to meet market demands and full support of high design technology aiming to provide optimized packaging solutions for the individual requirements of every client. For example, a thinner, smaller surface mount type leadless package as well as other customized design structures are available for [MEMS](#) which have an open air cavity structure or other specifications. The MEMS sensors are used in the Automotive sector, for example in the Electronic Stability Control (ESC) or in the Advanced Driver Assistance Systems (ADAS), and in the consumer field, for example in wearable devices or 3D virtual reality.

2. Fineceramic components (KYOCERA Fineceramics Europe GmbH)

Kyocera continually enhances its offering in the technical ceramics sector in order to meet the broad needs of modern industries.

- **Industrial:** Due to their excellent material properties, advanced ceramics have an enormously diverse variety of applications. Furthermore, another advantage is that acids, alkalis as well as high temperatures do not cause problems for technical ceramics. Whereas metals as well as plastics have their limits, or where these limits are exceeded, Kyocera's [high-performance ceramics for mechanical and plant engineering](#) stand out from other materials.
- **Mixing grinding products:** Kyocera's corrosion-resistant ceramics ensure reliability in chemical environments where acids, alkalis, and solvents are present, especially due to

their excellent corrosion resistance. Therefore, companies in the [chemical industry](#) can make their production processes even more efficient thanks to high-quality, technical ceramic components. Furthermore, Kyocera's advanced ceramics stand for their enormous reliability.

- **Semiconductor industry:** Kyocera provides a wide array of components for the [semiconductor industry](#), including single-crystal sapphire elements, metallized ceramics, and large monolithic components.

3. Automotive components

Kyocera is committed to designing responsible innovations that make modern life more efficient and sustainable. Focus areas include:

- **Heaters:** Kyocera's [ceramic heater](#) is widely used in industrial as well as in automotive applications. Over the years, the company perfectionated its ceramic lamination technology and uses more than 30 years of experience to deliver robust quality heaters with outstanding performance. The highly reliable ceramic heaters allow customers to minimize the size of the heater while maintaining maximum wattage to support a rapid heating rate. Kyocera works with each customer to provide open-source tools or customized designs in order to meet their client's unique performance needs.
- **Piezo products:** Kyocera's [Piezoelectric ceramic elements](#) respond to voltage by vibrating or extending, and likewise generate electricity when subjected to mechanical pressure. These highly sensitive components operate in the nanometre to micrometre range and can perform rapid, precise movements, even under demanding automotive conditions. Conversely, when the piezo device receives mechanical pressure, it is converted to electricity, which becomes a signal and is used for a sensor or detector.

Overview – Kyocera at The Advanced Ceramics Show 2025

Show	The Advanced Ceramics Show 2025
Date	09 th and 10 th July 2025
Location	Birmingham, UK
Kyocera's booth	NEC Birmingham, UK Booth 1126

Keynote speech by Dr Carsten Rußner on the Ceramics Stage

A particular highlight of this year's Advanced Ceramics Show conference program will be the keynote speech by Dr Carsten Rußner, President of KYOCERA Fineceramics Europe GmbH and current President of the European Technical Ceramics Federation (EuTeCer), where he also represents technical ceramics within the Cerame-Unie presidium.

In his keynote "Decarbonizing the Ceramic Industry: Pathways to Net-Zero Emissions", taking place on the Ceramics Stage on July 10th from 13:30 to 13:50 (BST), Dr Carsten Rußner will highlight how the ceramics industry can become smarter, cleaner, and more sustainable – starting today. He will present actionable strategies for reducing the environmental footprint of ceramic manufacturing. These include the adoption of kiln technologies, energy efficient process design, intelligent production planning, and integrating product circularity from the outset.

About The Advanced Ceramics Show 2025

[The Advanced Ceramics Show](#) is Europe's premier event for the technical ceramics industry. As a free-to-attend exhibition and conference, it gathers professionals from industry, academia, and applied research to explore the latest ceramic innovations. Key sectors include aerospace, energy, automotive, chemicals, electronics, medical, and defense. The event is co-located with The Advanced Materials Show, the Battery Cells & Systems Expo, and the Vehicle Electrification Expo. Taking place in July 2025, all four exhibitions will attend over 300 exhibitors and more than 5,500 visitors.

High resolution images are available for download by clicking the following link:

<https://spgroup.box.com/s/qezs3zbw27eaj1w43y5eqohrm4mrb61c>



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 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, 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 288 subsidiaries (31 March 2025). In England, Kyocera has a subsidiary in Frimley, KYOCERA Fineceramics Ltd. 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 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.

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 €596,500 per prize category).

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