

#Sensor+Test

## CeramTec at Sensor+Test 2024: Exciting Ceramics!

Plochingen, May 2024

**CeramTec will once again be represented at the Sensor+Test 2024 trade fair in Nuremberg with its portfolio of solutions and services in the fields of ultrasonic measurement solutions and structural ceramics.**

- **Innovative piezoceramics, ultrasonic sensors and transducers**
- **High-precision piezoceramic flow sensors for smart metering**
- **Various technical ceramic solutions for measurement applications**

Exciting Ceramics! This is the motto of CeramTec's appearance at this year's Sensor+Test 2024, the world's leading forum for sensor, measuring and testing technology. From 11 to 13 June 2024, CeramTec will be presenting its piezoceramics, ultrasonic solutions, transducers and structural ceramics in Hall 1 (Stand 1-530) at the exhibition center in Nuremberg, Germany. The advanced ceramics manufacturer will be showcasing piezoceramic components for sensors as well as its new next-generation fully assembled ultrasonic flow sensors. CeramTec will be demonstrating the important role that ceramic materials play in reliable sensing and measurement technology.

### **Ultrasonic solutions: highly precise, stable and durable**

A CeramTec highlight at Sensor+Test fair will be the recently presented 2 MHz water coupled piezoceramic flow sensors of the next generation. They are suitable for use in domestic and industrial smart ultrasonic water meters and ensure reliable operation under high pressure and over a wide temperature range.

CeramTec will be showcasing other areas of application for piezoceramics in ultrasonic technology for high-precision sensor and measurement technology using various products and customized solutions. Visitors to the trade fair can immerse themselves in a wide range of applications, such as flow measurement of liquid and gaseous media, leak detection, meteorology, material testing or acceleration measurement.

"Piezoceramics are at the heart of precise flow measurement with ultrasonic technology," says Charlie Dowling, Business Line Director

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## #Sensor+Test

Piezo & Sensors at CeramTec. "At the Sensor+Test 2024 trade fair, we will be showcasing our broad portfolio of services in the customized development and production of piezo ceramics for ultrasonic solutions. And with the new 2 MHz water coupled ultrasonic flow sensors, we are providing proof that we also have comprehensive and application oriented manufacturing expertise."

### **Technical ceramics: versatile solutions for reliable measurement results**

CeramTec will be showing what it can develop and produce from a variety of more than 40 structural ceramics materials. These include silicate ceramic solutions, substrates, ceramic membranes, protective and insulating tubes for industrial measurement applications and customized high-performance ceramics manufactured using the 3D printing technology.

"When it comes to sensors and measurement technology, maximum precision and reliability are required," says Fabio Lodigiani, Business Line Director Structural Ceramics & 3D at CeramTec. "Our innovative solutions deliver exceptional performance, resilience, and precision, even for the most demanding sensor and measurement applications. Whether enhanced durability, thermal stability, or complex custom designs are needed, our solutions are tailored to meet unique requirements. Visitors are invited to join us at our stand to explore our latest advancements, engage with our knowledgeable team, and discover how our pioneering ceramic technologies can drive success."

CeramTec will be showcasing its solutions for ultrasonic measurement technology and structural ceramics from 11 to 13 June 2024 at Sensor+Test 2024 (stand 1-530 in hall 1), the measurement technology trade fair in Nuremberg, Germany.

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**Picture Material**

Publication free of charge // magazine copy or link appreciated



**CeramTec\_Sensor+Test\_01.jpg**

Only need to be plugged into the ultrasonic counter and wired: The new piezoceramic ultrasonic sensors - developed and manufactured by CeramTec.

**Source: CeramTec**



**CeramTec\_Sensor+Test\_02.jpg**

Stand for maximum precision and reliability: The structural ceramics developed and manufactured by CeramTec guarantee precise measurement results, even in harsh industrial environments.

**Source: CeramTec**



**CeramTec\_Sensor+Test\_03.jpg**

Piezoceramic components in different sizes and designs.

**Source: CeramTec**

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**The following information will help you publish this press release on your online and social media channels.**

**Meta Description**

Exciting Ceramics! This is the motto of CeramTec's appearance at Sensor+Test, the trade fair for measurement technology. From June 11 to 13, 2024, CeramTec will be presenting its solutions for ultrasonic technologies and structural ceramics in Hall 1 (Stand 1-530) at the Nuremberg Exhibition Center.

**Social Media / Newsletter Teaser:**

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Exciting Ceramics! Under this motto, CeramTec will be presenting its solutions for ultrasonic technologies and structural ceramics at Sensor+Test 2024 in Nuremberg from June 11-13: Hall 1, Stand 1-530.

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### About CeramTec

CeramTec has been a manufacturer and supplier of technical ceramics with a focus on advanced ceramic (HPC) solutions since 1903 and specialises in the development, manufacture and distribution of parts, components and products made from ceramic materials. With more than a century of development and production experience in the HPC industry, CeramTec is a world leader in the manufacture of advanced ceramics and develops these materials for use in a wide range of applications. CeramTec's advanced ceramics are used in a number of areas, including medical applications such as hip prostheses, other orthopaedic implants, dental implants and medical devices, as well as in the mobility and electronics industries, and also in other industrial applications. With production sites and subsidiaries in Europe, North and South America and Asia, CeramTec has a global presence as a manufacturer and supplier. CeramTec's headquarters are located in Plochingen near Stuttgart. In 2023, CeramTec generated revenue of more than 817 million euros. CeramTec employs more than 3,800 people worldwide, including around 2,000 in Germany.

More info: [www.ceramtec-group.com](http://www.ceramtec-group.com)

