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Press Release

ceramitec 2018 – Technical Ceramics with a Stronger Presence

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Technical ceramics are one of the most fast-growing fields of the industry. This development will be reflected at ceramitec 2018: up to now, 20 percent more exhibitors from this segment have signed up for the trade show. The opportunities that will arise from this for the worldwide ceramics industry will be displayed at ceramitec from April 10 to 13, 2018.

“Technical ceramics are a dynamic element“

The Technical ceramics segment has significantly grown since ceramitec 2015. Igor Palka, Exhibition Director of ceramitec, states the reasons why: “High-performance ceramics have developed to become an important constituent for the ceramics industry. Particularly in the field of material and component development, Technical ceramics are a dynamic element because the industry constantly requires new developments in terms of materials and components.”

Robert Schönberger, Exhibition Group Director of ceramitec, explains: “The further development of Technical ceramics opens up new sales/application potentials for the industry, for example in the automotive sector, in aerospace or in medical engineering. This means an added value for the visitors of ceramitec 2018: On the one hand, they will receive information on raw materials, additive manufacturing, machines and kilns for the production of components made of Technical Ceramics; on the other hand, they can view and appraise the most diverse technical components from ceramics materials.”

The fact that the application field of Technical ceramics is gaining in importance can be seen from the increase in the space occupied by the "CERAMIC APPLI-

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CATIONS – Ceramics Meeting Place", which has nearly doubled. In 2018, national and international ceramics manufacturers will occupy nearly 1,000 square meters of space. Well-known exhibitors, such as Lithoz, Morgan Advanced Materials, SCeram, Schunk Ingenieurkeramik or WZR ceramic solutions, have already signed up. In addition, new exhibitors like Robert Bosch Start-up from Germany, XJet from Israel or Toto from Japan will be represented. Thus, the key trade show is the central platform for introducing new products and developments from mechanical engineering as well as products and components from Technical ceramics.

Technical requirements

Further development leads to new demands placed on Technical ceramics. New manufacturing technologies in operational practice and hybrid technologies in component design, inter alia, find their way into high-performance ceramics – key word: additive manufacturing plus ceramic injection molding. / AM +CIM. In the area of kiln construction, too, special systems must be designed owing to the necessary temperatures and atmospheres, mostly for temperatures between 1,500 and 1,800 degrees – for specific materials even beyond 2,000 degrees. The topics of energy and resource efficiency also play an important role. The reduction of energy requirements (high process temperatures), material efficiency and environmentally sound process technology are in the focus.

Highest precision and “zero defects” in the structure are requirements that also initiate a development towards Industry 4.0, because in-line measurements, analyses and adjustments must be performed to an increasing extent in order to be able to reach these objectives.

In the area of sensor technology, piezo-ceramics play an important role and thus make an additional contribution to the further development of production technology in the sense of Industry 4.0.

Day of Technical Ceramics

It is not only at the trade show that visitors and all those interested can gather information about the topic of high-performance ceramics. The conference pro-

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gram, too, dedicates an entire day to the topic of Technical ceramics. This will be on Thursday, April 12. The “Day of Technical Ceramics” is subdivided into four sessions with different focus areas: **“New Materials for Ceramic Components with Enhanced Performance”**, **“Design of Ceramic Components for New Applications”**, **“Ceramic Components for Harsh Working Environment”** and **“Technology Enhancement for New Applications”**. Well-known speakers will present innovations and solutions, and discuss the future perspectives of Technical ceramics.

Further information on the details of the program will follow in a few weeks on the homepage of ceramitec.

Further information is available online at www.ceramitec.de

In 2018, analytica will take place in parallel with ceramitec. You will find further information at www.analytica.de

About ceramitec

ceramitec is the international key trade show of the ceramic industry. It covers the entire spectrum of the ceramic industry – ranging from classic ceramics and raw materials to technical ceramics through to powder metallurgy. ceramitec 2015 attracted 600 exhibitors from 37 countries and more than 15,000 visitors from 93 countries. ceramitec Technologies - Innovations - Materials takes place every three years; the next event will be held in Munich from April 10 to 13, 2018.

International trade shows of the ceramic industry of Messe München International

Besides ceramitec, the international key trade show, Messe München's portfolio of ceramics trade shows also includes Indian Ceramics. India's leading trade show for the ceramic industry combines international competence with in-depth regional know-how. Indian Ceramics takes place on an annual basis, the next event being scheduled in Ahmedabad, Gujarat, India, from March 7 to 9, 2018. It will be held in parallel with Ceramics Asia. More than 280 exhibitors and over 7,100 trade visitors took part in Indian Ceramics & Ceramics Asia 2017.

Messe München

Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. Every year, a total of over 50,000 exhibitors and around three million visitors take part in more than 200 events at the exhibition center in Munich, at the ICM – Internationales Congress Center München and the MOC Veranstaltungszentrum München as well as abroad. Together with its subsidiary companies, Messe München organizes trade shows in China, India, Brazil, Russia, Turkey, South Africa, Nigeria, Vietnam and Iran. With a network of associated companies in Europe, Asia, Africa and South America as well as around 70 representations abroad for over 100 countries, Messe München has a global presence.