

News Release

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BASF 3D Printing Solutions Presents Cutting-Edge Manufacturing Solutions at K 2019

- **Comprehensive 3D printing expertise in the automotive, aerospace, consumer goods and medical application sectors**
- **Hands-on application presentation with a leading RV and trailer manufacturer**
- **Content-rich Live Talks with industry-leading business partners**
- **Live demonstration of pigmented plastic filaments with BASF Colors & Effects**

BASF 3D Printing Solutions (B3DPS) will be exhibiting for the second time at K 2019 in Düsseldorf, Germany. At the world's biggest trade show for plastics and rubber industry, B3DPS will be welcoming visitors from October 16 through 23 at the BASF SE stand C21/D21 in Hall 5 and presenting its extensive portfolio of 3D printing materials and service solutions aiming at enabling industrial additive manufacturing at scale. What's more, the company's 3D printing experts will be offering insights into the latest technological innovations and application developments in the "competencies" section.

Customized 3D printing highly attractive to RV and trailer market

The Concept Caravan at the BASF stand will give visitors hands-on experience of the impressive spectrum of applications offered by B3DPS. Alongside complex samples of printed modular construction elements, over one hundred individual parts have been 3D-printed using advanced photopolymer, filament and powder-

based ready-to-print material formulations. The RV and trailer market is exceptionally attractive as it can greatly benefit from unique advantages offered by additive-based manufacturing, namely the high customizability of parts with complex geometries as well as the rapid availability of production parts without incurring tool costs. The very diverse material characteristics of the construction elements meet the production requirements for both vehicle exteriors and interior fittings. In addition, the final coating of manufactured parts plays a decisive role in many application areas, and this is also covered by the comprehensive BASF technology portfolio.

BASF Live Talks with renowned industry partners

Together with world-leading partners from diverse manufacturing sectors, BASF 3D Printing Solutions will be presenting application opportunities for the most demanding industrial applications. “3D printing is a key technology for the digital manufacturing of the future”, confirms Volker Hammes, Vice President Business Build-Up 3D Printing Solutions. “With our manufacturing partners we are driving the development of radical new solutions that meet and often exceed the industry’s demanding requirements.”

Furthermore, BASF 3D Printing Solutions will be contributing its expertise daily to the Live Talks at the BASF stand. In collaboration with Daimler, B3DPS has successfully developed a 3D-printed engine bracket using cutting-edge Ultrasim® simulation technology and printing with highly advanced Ultrasint PA6 MF material using laser sintering. Visitors will be able to view this in the Live Talk from 2 p.m. on Day One of the show, which will also inaugurate the overall B3DPS Exhibition Program. As well as fulfilling core manufacturing requirements such as temperature and mechanical stress stability, 3D printing enables a high degree of customization: Through this technology BASF is responding rapidly to the manufacturing sector’s demand for scalable industrial production solutions for customized consumer goods such as eyewear, footwear and accessory articles. One decisive success factor here is configuring the software, hardware and printing materials perfectly with each other: In its Live Talks with executives from Daimler, EOS, Essentium, HP, Photocentric, Materialise and Ultimaker, B3DPS will be providing real-life examples of how it has achieved this in collaboration with global-leader industrial partners.

Pigmented filaments – in collaboration with BASF Colors & Effects

The spectrum of potential additive-based manufacturing applications is simply unlimited. BASF 3D Printing Solutions and BASF Colors & Effects (BCE) have pooled their know-how and will be presenting a B3DPS plastic filament pigmented by BCE. This exciting joint product will be 3D-printed live in demonstrations at BCE's own stand C41 in Hall 5.

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About BASF 3D Printing Solutions

BASF 3D Printing Solutions GmbH, headquartered in Heidelberg, Germany, is a 100% subsidiary of BASF New Business GmbH. It focuses on establishing and expanding the business with materials, system solutions, components and services in the field of 3D printing. BASF 3D Printing Solutions is organized into startup-like structures to serve customers in the dynamic 3D printing market. It cooperates closely with the global research platforms and application technologies of various departments at BASF and with research institutes, universities, startups and industrial partners. Potential customers are primarily companies that intend to use 3D printing for industrial manufacturing. Typical industries include automotive, aerospace and consumer goods. Further information at www.basf-3dps.com.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 122,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of around €63 billion in 2018. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at www.basf.com.