

KraussMaffei at formnext for the first time: New 3D printing division brings industrial- ized production solutions to market

- KraussMaffei makes its debut appearance at the leading trade show for additive production
- New products enable AM series production with the highest quality and cost-efficiency
- powerPrint makes it possible to manufacture large-format parts using fused granulate molding
- precisionPrint is an innovative system concept that makes series production using stereolithography possible

(Munich, October 31, 2022) We have something to add. With this slogan, KraussMaffei (Hall 11.1 F21) is presenting newly developed solutions for additive manufacturing on an industrial scale for the first time at formnext, the international industry trade show for additive production technologies.

KraussMaffei is a worldwide leader in plastics processing as an innovative technology partner for injection molding, extrusion technology and reaction technology. "With additive manufacturing as the fourth technology, we create new opportunities both for established plastics processors and for companies that see their core competence in additive manufacturing and want to take a step towards industrial production of plastic parts," explains Rolf Mack, Head of Additive Manufacturing at KraussMaffei. With this fourth technology, KraussMaffei has another production process at its disposal so that it can offer its customers the best possible solution depending on their needs and requirements.

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Innovative solutions for a wide variety of industries

The new powerPrint and precisionPrint products combine innovative technologies with longtime expertise from injection molding and extrusion technology and thus open up new application fields in the industry.

"At formnext, we will demonstrate how intelligent end-to-end system concepts make it possible for our customers to scale additive manufacturing," explains Mack.

powerPrint for large-scale additive manufacturing

powerPrint is an extruder-based system for processing thermoplastic granulate. It prints large-size components with volume up to 10 m³ to industrial standards. Optimal component properties are achieved at affordable material costs. In addition, short set-up times and the use of common software solutions for print preparation enable fast implementation from component design to print. High output capacity at fast print speeds ensures short throughput times of large components. PowerPrint benefits from KraussMaffei's many years of expertise in plastic and extrusion to achieve the best possible printing results. This offers various industries new opportunities for efficient production of near net shape components. Typical application fields include moldmaking, prototype construction and manufacturing of elements in furniture construction as well as customized solutions for the water and supply infrastructure. In the foundry industry as well, fast, cost-effective manufacturing of molds with 3D printing models boosts productivity.

precisionPrint – the SL printer for industrial manufacturing

precisionPrint is a high-performance stereolithography solution. The highly automated system offers cost-effective production of components with the most stringent requirements for surface quality and detail resolution on an industrial scale. An innovative laser system and the sophisticated end-to-end system concept enable the series production of AM components at the lowest costs. The printer is ideal for short-run printing in the electrical and electronics industry, for example connectors or customized solutions with highest precision. The latter offer great added value among others in the medical

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industry, for example, for printing hearing aids, or in the sports and leisure area.

KraussMaffei @ Formnext, Hall 11.1 Booth F21

KM_AM_2022_10_28_precisionPrint.jpg

precisionPrint is a high-performance SL (stereolithographic additive manufacturing) solution for industrial manufacturing of high-precision components.

KM_AM_2022_10_28_powerPrint.jpg

powerPrint from KraussMaffei for extruder-based additive manufacturing of large-size components up to 10 m³.

Photos: KraussMaffei

Enclosure: Pictures and more information can be found at www.kraussmaffei.com

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KraussMaffei – Pioneering Plastics

KraussMaffei is among the world's leading manufacturers of machinery and systems for the production and processing of plastics and rubber. Our brand stands for cutting-edge technologies – for more than 180 years. Our range of services covers all areas of injection molding machinery, extrusion technology and reaction process machinery. This gives KraussMaffei a unique selling point in the industry. With the high innovative power of our standardized and individual product, process, digital and service solutions, we can guarantee customers sustained additional value over the entire value-adding chain. Our range of products and services allow us to serve customers in many sectors including the automotive, packaging, medical and construction industries, as well as manufacturers of electrical and electronic products and household appliances. KraussMaffei employs around 4.700 people all over the world. With more than 30 subsidiaries and over 10 production plants, as well as about 570 commercial and service partners, we are represented internationally close to our customers. Since its foundation in 1838, the company's headquarters have been in Munich.

In April 2016, the Chinese state-owned company China National Chemical Corp. Ltd. ("ChemChina"), one of the leading chemical companies in China, became the majority shareholder of KraussMaffei Group. At the end of 2018, ChemChina listed the KraussMaffei Group as KraussMaffei Company Ltd. in Shanghai. The listing opened up access to the Chinese capital market and local investors.

For more information: www.kraussmaffei.com

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