

## precisionMixhead from KraussMaffei: Smaller size, higher performance and outstanding ease of service

- Compact design - ideal even for complex molds
- Reduced weight facilitates automatic and manual handling
- Wide production window thanks to optimized mixing parameters even for demanding material formulations
- Modular design for fast service and replacement of spare parts as needed

**(Munich, October 6, 2022) KraussMaffei is introducing a new generation of high-pressure mixing heads, called the precisionMixhead, for processing polyurethane at the K trade show.**

"With its smaller size, higher performance and outstanding ease of service, the precisionMixhead sets new standards in its class," says Prof. Jens Liebhold, Head of Plastification Technology and Mixing Heads. "The new design pairs maximum precision in mixing quality with maximum availability for the production process."

### **Small is beautiful and saves energy**

The precisionMixhead features ideal dimensions. Compared to its predecessors, the compact design offers a volume savings of up to 25%. This makes the new mixing head easier to integrate into complex molds.

The weight has been reduced also. With a total weight of about 10.5 kg, the new precisionMixhead 8/12 is about one-fifth lighter than its predecessors. This saves energy because the handling robot has less mass to move.

The smaller, more lightweight mixing head is also faster and easier to move during manual handling and maintenance work. This saves time and increases productivity.

**KraussMaffei Technologies GmbH**  
**Marketing**  
Krauss-Maffei-Straße 2  
80997 Munich/Germany

Phone +49 (0) 89 8899 3086  
[www.kraussmaffei.com](http://www.kraussmaffei.com)

## **Excellent part quality**

KraussMaffei mixing heads are market leaders thanks to their high mixing quality. By using state-of-the-art calculation methods for flow simulation, an additional performance boost has been given to the precisionMixhead. This made it possible to enlarge the process window by up to 30% especially for materials that are difficult to mix. This reduces the risk in the production process and minimizes the scrap rate even when the requirements are complex. For the user, this means more good parts, less scrap.

## **Replacement parts for fast service**

Mixing heads require regular maintenance to produce at a consistent performance capacity. To attain maximum availability in this respect, the wear-prone parts in particular are designed for quick replacement. In addition, a global service concept ensures that repairs are as fast as possible under conditions that are fair and transparent. Customers are also pleased by the fact that the high availability means they do not have to invest as much in backup solutions.

### *KM\_RPM\_20221509\_precisionMixhead .jpg*

precisionMixhead 8/12, the new mixing head from KraussMaffei: Lower weight and volume for more performance capacity and little energy consumption

### *KM\_RPM\_20221509\_Muster Panoramadach.jpg*

Process improvements can be attained in this area for components such as seals for panorama roofs in the automotive industry, under-the-hood engine covers and office chair armrests. (Panorama roof from webasto)

### *KM\_RPM\_20221509\_Muster Motorabdeckung.jpg*

The precisionMixhead is ideally suited for structural foams and other hard-to-mix materials. The expanded process window increases process reliability for complex production processes.

**KraussMaffei Technologies GmbH**  
**Marketing**  
Krauss-Maffei-Straße 2  
80997 Munich/Germany  
  
Phone +49 (0) 89 8899 3086  
www.kraussmaffei.com

Photo: KraussMaffei

Enclosure: Pictures and more information can be found at

[www.kraussmaffei.com](http://www.kraussmaffei.com)

Press contact:

Gerhard Konrad

Content & Campaign Manager / Press Officer Reaction Process Machinery

Phone: +49 (0) 89 8899 3086

Email: [Gerhard.Konrad@kraussmaffei.com](mailto:Gerhard.Konrad@kraussmaffei.com)

Mathias Künstner

Head of Corporate Marketing Global

Telefon: +49 (0) 89 8899 2217

Email: [Mathias.Kuenstner@kraussmaffei.com](mailto:Mathias.Kuenstner@kraussmaffei.com)

(Number Words:384 / Number Characters:2547)

## **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](http://www.kraussmaffei.com)

**KraussMaffei Technologies GmbH**

**Marketing**

Krauss-Maffei-Straße 2  
80997 Munich/Germany

Phone +49 (0) 89 8899 3086  
[www.kraussmaffei.com](http://www.kraussmaffei.com)