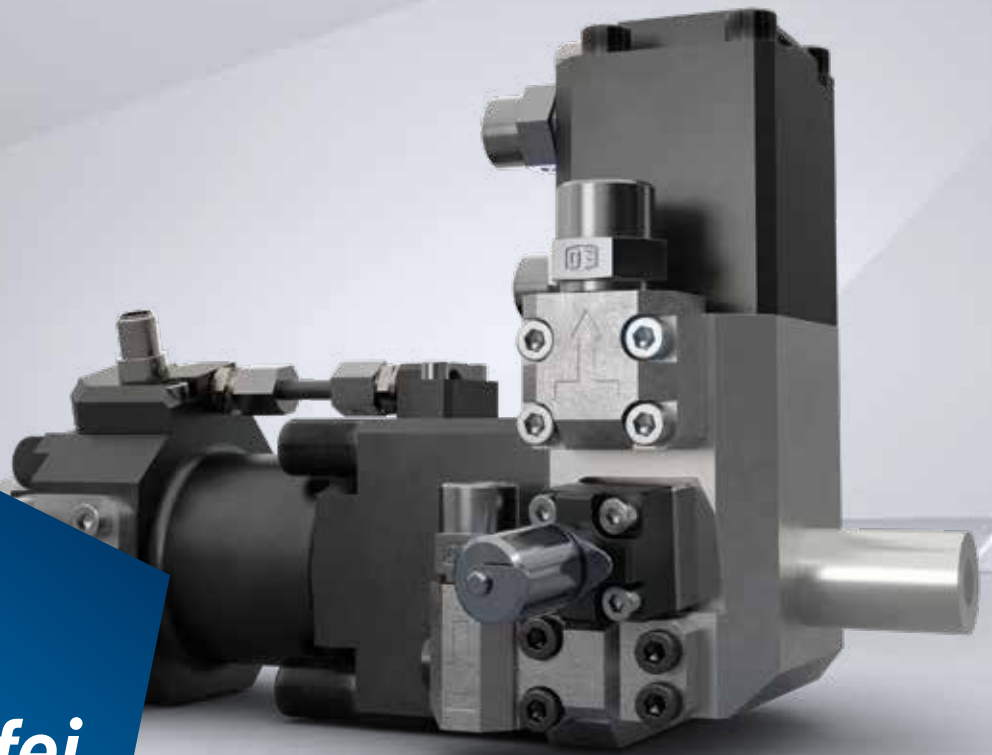


# COMPACT, EFFICIENT, EASY TO SERVICE.

PRECISIONMIXHEAD – DISCOVER OUR NEW  
MIXING HEAD FOR ALL-ROUND USE.



***KraussMaffei***

*Pioneering Plastics*

# COMPACT AND ADAPTABLE

In polyurethane processing, the mixing head plays a key role in the quality of the products and efficiency in production. Thanks to the excellent mixing quality and efficient output behavior, high-pressure mixing heads from KraussMaffei are today's benchmark in the reaction processing industry. We are now introducing a completely revised concept in the precisionMixhead. With its smaller size, lightweight design, higher performance and outstanding ease of service, the precisionMixhead sets new standards in its class.

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 molds for complex components. This saves money in moldmaking as well as in installation for mold changes and maintenance work.

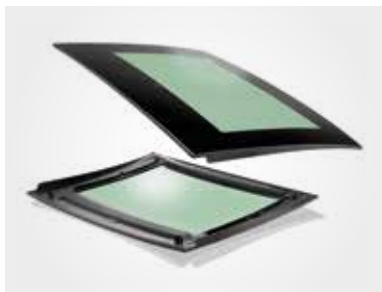
#### Lightweight for simple handling and energy savings

The weight has been reduced also. With a total weight of about 10.5 kg, the precisionMixhead 8/12-2K-40 is about one-fifth lighter than its predecessor. This reduces the energy requirement 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, improves ergonomics and increases productivity.

#### Broad range of applications

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

Process improvements can be attained in this area for components such as seals for panorama sunroofs in the automotive industry, under-the-hood engine covers, when encapsulating steering wheels and for office chair armrests. However, the precisionMixhead is also the first choice for standard applications such as a reamer for construction workers. Here is precisely where the high output quality and simple handling are critical advantages for manual foaming.



*Seal for panorama sunroof  
(webasto)*



*Office chair armrest*



*Engine cover*



**precisionMixhead, the new mixing head from KraussMaffei:**  
**Lower weight and volume for more performance capacity and less energy consumption.**

#### Excellent part quality

KraussMaffei mixing heads are market leaders thanks to their high mixing quality. By using state-of-the-art simulation methods, an additional performance boost has been given to the precisionMixhead. This made it possible to enlarge the process window by up to 30%, particularly 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 of the precisionMixhead 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.



*Wear-prone parts can be replaced quickly and thus make servicing the new KraussMaffei precisionMixhead particularly easy. Spare parts are available at spare parts centers for fast, professional overhaul.*

# COMPACT, EFFICIENT, EASY TO SERVICE.

## PRECISIONMIXHEAD – DISCOVER OUR NEW MIXING HEAD FOR ALL-ROUND USE.

High-pressure mixing heads from KraussMaffei are already the benchmark in the reaction processing industry. KraussMaffei is now introducing a completely revised concept in the precisionMixhead. With its smaller size, lightweight design, higher performance and outstanding ease of service, the precisionMixhead sets new standards in its class.

- Reduced weight makes automatic and manual handling easier*
- Compact design – also ideal for complex molds*
- Wide production window even for challenging material formulations thanks to optimized mixing parameters*
- High product quality and energy-efficient production*
- Modular design for fast service and replacement of spare parts as needed*



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