Mold carriers and plants
Powerful. Reliable. Easy to use.

Engineering Passion

KraussMaffei

Facts and figures regarding the mold carriers

Applications

Automotive industry

Automotive industry

Automotive industry

Utility vehicles

Insulation

Leisure/consumer products

White goods

Optimum quality for all PU processing tasks

Process-optimized and variable kinematics; molds that are easy to clean and add release agent to; high clamping force and optimal clamping force distribution; powerful, reliable and robust design concepts for moving and turning the molds, which can be extremely heavy; high positioning accuracy and extremely reliable movement processes – the demands placed on modern mold carriers for PU processing are diverse and complex.
The range from KraussMaffei offers the right solution for all these tasks. Machines and systems can be quickly adapted to customer-specific requirements, in terms of the application, production volumes and shot weight, at any time.

The mold carrier, metering machine and mixing head form a production unit that must be tailored to the part it will be used to make, taking into account the part's production requirements. The mold carrier you use therefore has a significant impact on how cost-effective your production can be. The experts at KraussMaffei work with you to decide which mold carrier you need and choose the necessary tool fixing areas, traversing times, parallel strokes, clamping forces, tear-open forces and pivot axles. Specific control systems are used depending on the overall system and level of automation. Special focus is also placed on safety in the workplace, environmental protection and energy efficiency, which are provided by numerous features.

Mold carriers and plants
Powerful. Reliable. Easy to use.

Our comprehensive range of mold carriers and plants makes KraussMaffei your expert partner for advanced PU processing. Whether you make refrigerator doors or vehicle instrument panels, leisure products or wall cladding – whatever your special requirements and tasks, we can offer you a wide range of machine components that can be quickly and flexibly adapted to your individual needs at any time.

Your advantages at a glance:

– Powerful, precise, user-friendly and reliable mold carriers
– Versatile plant concepts for producing a wide variety of products and ensuring maximum cost-efficiency
– Comprehensive range of peripheral equipment and accessories
– Everything from a single source

Take a tour
Fascinating insights into our mold carriers – the EFT series close-up

Electric motors carry out all tilting movements and parallel stroke

Proven, low-maintenance, highly dynamic chain drive

Switching cabinet installed in a fixed position on the mold carrier with frequency converter complete with remote peripherals for connecting all the inputs and outputs of the mold-carrier valves

Pneumatic safety pegs

Standardized modular design
for easy access to the front and back

Internal piping for water, compressed air and vacuum

Pneumatic clamp force build-up
over the whole mold fixing platen via pressure pads

Mold carrier control unit
with hardware components for power supply, including Siemens control unit and interface to metering machine with integrated safety device

The FTR series – user-friendly, modular upgradeable mold carriers

Versatile, powerful, robust, modular, multi-functional and easy to use – these are the key characteristics of FTR mold carriers from KraussMaffei.

Mold carriers in the FTR design for fiber composite parts

Tilting design for excellent part quality

Their proven tilting design gives FTR series mold carriers their distinctive rapid closing movements and high platen parallelism, which ensures short process times and consistently high part quality. Easy accessibility allows maximum flexibility for operation and automation. Their clamping force and clamping-force distribution are a further sign of their quality.
KraussMaffei's FTR mold carriers benefit from a well-engineered, solidly built design that ensures heavy molds are tilted safely. The strength-optimized frame structure of the mold carriers, in combination with a hydraulic locking device, ensures an optimal force flow when closing the mold halves. The minimal warpage of the mold fixing platens even allows non-inherently rigid molds to be used. Proportional hydraulics as standard, in combination with process-optimized kinematics, ensure smooth and shock-free sequences of movements.

Versatile and cost-efficient ...

FTR mold carriers can be accessed from almost every angle. This offers numerous advantages: It not only makes it possible to pour foam into the molds while they are open, but also allows molds to be changed quickly and easily. Even the fixed mixing head is easy to install. The versatility of FTR mold carriers means that they are suitable for a wide range of uses in many different technologies. They are designed to be used in technical laboratories and can be integrated into a fully automated production line.

The key feature that makes machines in the FTR series so flexible and cost-efficient is their modular design. This concept allows them to be adapted to very specific customer requirements and gives users the option of adding helpful additional equipment quickly and easily. The standard range includes a 0° to 90° lid tilting movement. Optionally, the complete clamping unit can be tilted to improve the position for foaming, venting and curing. Additional features, such as core-pulls and ejectors, facilitate the manufacture of technically complex parts and allow parts to be released from the molds completely seamlessly.

... and for large tasks

KraussMaffei has developed a line of mold carriers for producing large-format, contoured parts and for backfoaming carpeting for cars or materials and films with the potential to be subsequently compounded inside the mold. Ease of use and optimized material flow are the focal point of these designs too. For example, swiveling the upper mold fixing platen by 180° allows both mold fixing platens to be operated at the same time. This design feature allows large-format, contoured parts to be produced in a cost-effective way.

Horizontal design for optimal ergonomics

Another line in the FTR series comprises horizontal mold carriers that carry out the same movements horizontally by pivoting on the vertical axle. They have been designed for applications in which materials are poured into closed molds, such as CCM and NyRIM. This is advantageous because it optimizes the venting of the molds and improves usability in terms of adding and demolding the parts. An initial pivoting movement is not needed to achieve a vertical position. These mold carriers are also driven hydraulically and carry out the same movements and functions as the other mold carriers in the FTR series.

FTR design mold carrier for producing steering wheels

Your advantages:
- Versatile thanks to modular design
- Well-engineered design with solid structure for optimal power flow
- Accessible from almost every angle

Four-column design
SFT mold carriers for extremely heavy molds

KraussMaffei developed SFT series mold carriers specifically for the automotive industry and they are suitable for use with a wide range of materials and processes thanks to their extremely high holding forces and quick traversing times.

Your advantages:
- Short cycle times and very high speeds
- Perfect power flow and a high degree of stiffness
- Considerable holding forces and outstanding precision
- Very easy to use, option of extending with additional equipment
- Good ergonomics

Four-column concept for extremely heavy molds

The high degree of positioning accuracy and flexural rigidity provided by a four-column concept allows extremely heavy molds for making bumpers, spoilers, bodywork parts or even a complete chassis to be used at clamping forces of up to 10,000 kN.

This considerable holding force in the mold carrier system is made possible thanks to hydraulic locking cylinders over the entire press stroke. The use of differential cylinders ensures extremely short cycle times and very high speeds. At the same time, the SFT design concept from KraussMaffei guarantees a perfect power flow and a high level of stiffness (FEM-optimized).

Compact and easy to maintain: The SFT-MX series

The distinguishing feature of the SFT-MX design is its low installation height. At a total height of just 5.5 m, it can even be installed in plants with low ceilings. It is also extremely easy to maintain: All hydraulic cylinders can be accessed quickly and easily, most of the hydraulic components are placed at ground level and wear parts have been reduced to a minimum.

Depending on the requirements of the process, the MX series may optionally feature a force-travel-controlled compression function. Unevenly distributed compression forces in the mold are compensated with an extremely high-precision parallelism control acting on all four tiebars.

Ease of use and part quality in focus

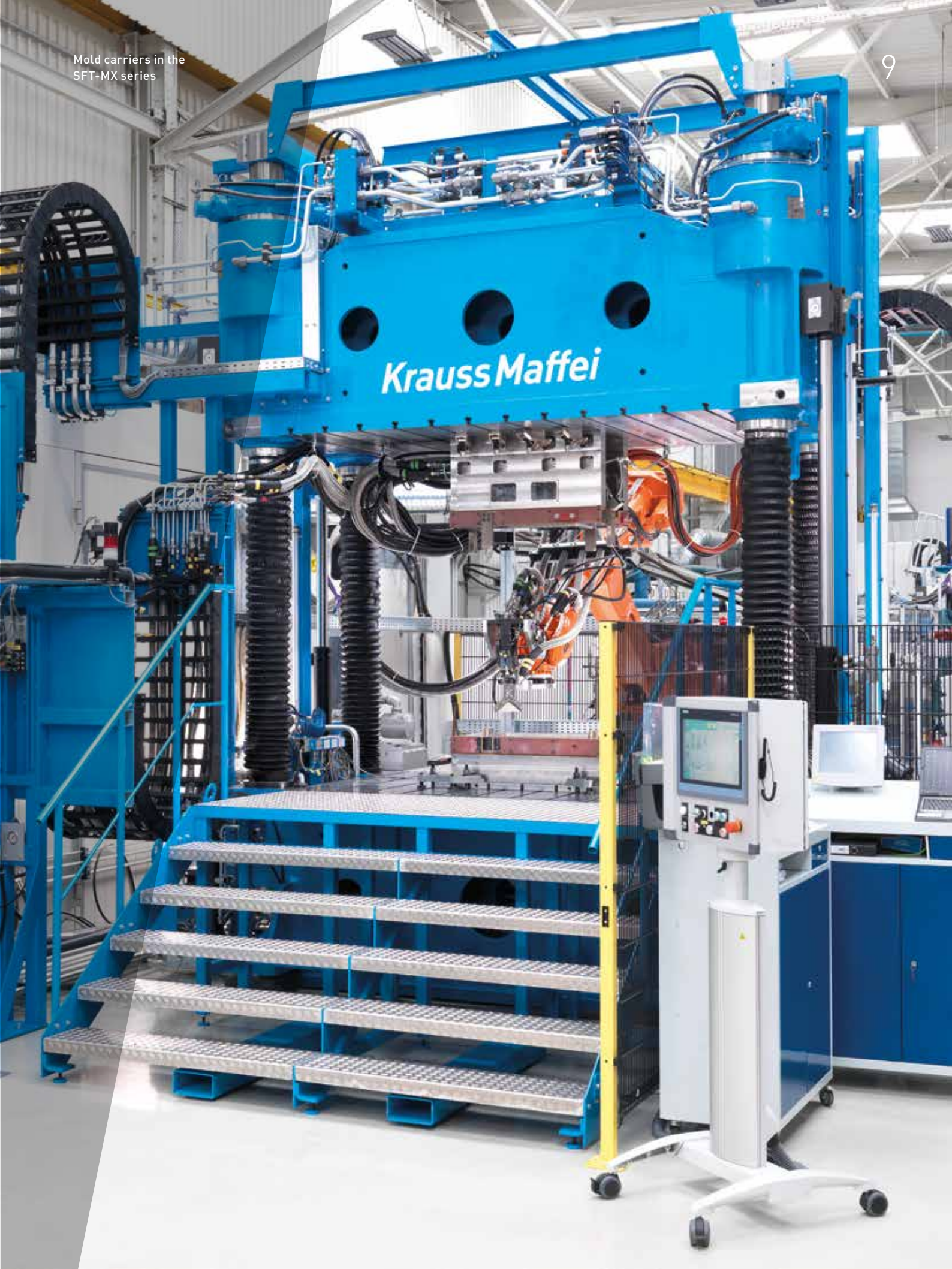
The developers at KraussMaffei always pay attention to the interaction between ease of use and product quality when creating their mold carriers – and the SFT-MX series is no different. Both mold fixing platens are freely accessible so that molds can be changed from the back as well as the front.

Various other features also demonstrate how easy the mold carrier series is to use, such as proportional hydraulics with variable delivery pumps that ensure movement sequences are smooth. There is also an electronic position measuring system for measuring all traversing and tilting movements. All production-specific settings can be entered via a control cabinet with a computer and screen, which allows operators to control everything precisely. Last but not least, the comfortable operating height of the mold carriers makes work more ergonomic.

Additional equipment for even greater cost-efficiency

Mold carriers in the SFT series can be made not only more user-friendly but also more cost-effective by installing numerous pieces of additional equipment. This is why KraussMaffei offers an integrated automated tool change system that makes extremely heavy molds easier to operate. Complex parts can be produced using additional core-retraction features and ejector concepts.

Mold carriers in the
SFT-MX series



All-electric drive concept
Clean and efficient mold carriers of the EFT series

Clean and efficient:
Mold carriers in the EFT series

Electric mold carriers in KraussMaffei's EFT series were designed with advanced production methods in mind. The stiff design of their frames allows clamping units to be tilted even at high holding forces and with heavy molds.

Modular design ensures good price-performance ratio

The design of the EFT series is based on standardized modules. This keeps investment costs low and delivery times short, while also allowing short assembly and commissioning times. The series is also extremely easy to handle and incredibly versatile: Users can program the movements and functions of the mold carriers and molds on the control cabinet with ease and without any prior knowledge of PLC programming.

Electric drive units are used to power all the movements of the EFT models. The resulting fast, precise opening and closing movements of the molds boost efficiency when producing PU parts. Further advantages of the electric drive units are that they make very little noise and that they use very little energy, as power is only consumed when the mold carriers are moving. By using electric components instead of hydraulic ones, users also benefit from machines that are cleaner and easier to maintain.

Short cycle times with the EFT series

Electric mold carriers of the type EFT-P-20-11 are used, for example, for the back-foaming of instrument panels. The pneumatic clamp force builds up over the whole mold fixing platen via pressure pads. The distinguishing feature of EFT series mold carriers is their short cycle times, made possible thanks to quick, simultaneous traversing and tilting movements in combination with tower tilt. Operators benefit from easy access to the front and back of the molds with optimum user-friendliness. There is an optional tower tilt for obtaining the optimal curing position and operator ergonomics: 70° is the standard tilting range (35° forward, 35° backward). The mold carriers get back in action quickly after changing from rotary table to stationary operation. As a further option, the upper mold fixing platen can also be tilted 180°: 90° forwards and 90° backwards. This is ideally suited to installing a flame treatment device for the upper mold on the back of the mold carrier.

The completely modular design also allows a variant to be configured that can pick up heavy molds with top halves weighing up to 1.5 t. An optional pneumatically driven automatic mold clamping system allows molds to be changed in a highly efficient and time-saving way.

Upper mold fixing platen with tilting mechanism and magnetic clamping plate system of the EFT series

EFT series for optimum productivity
One of many areas of application of the EFT series is the foaming of windows. Customers are also able to choose between various standard sizes and numerous special versions for other applications.

Depending on the model, molds can be changed from both the front and the back. External additional units specially adapted for the mold functions concerned add to the great flexibility. The optional magnetic clamping plate system allows the user extremely fast mold changes.

For all mold carriers of the EFT series:
The clamping force is generated pneumatically over the entire mold fixing area. Electric drives allow very fast movements. Furthermore, the parallel movements ensure quicker traversing times. In all cases, the mold carriers of the EFT series are characterized by an excellent and user-friendly ergonomic design when the upper and lower mold halves are tilted.

Your advantages:
- Standardized modular design ensures short assembly and commissioning times
- Easy to handle and highly flexible thanks to intelligent operating concept
- Robust, highly dynamic, low-maintenance electric drive units for parallel stroke
- No hydraulic components means machines are cleaner and easier to maintain
- Excellent ergonomics

Shuttle mold carriers convince with flexibility

KraussMaffei Shuttle mold carriers are used especially in LFI applications. The large-format, contoured parts – which are sturdy yet lightweight – can be used in a whole host of applications, such as making tractor roof modules, car radiator grills and components for interior trim. Using a double shuttle system allows different parts with different sizes to be made at the same time.

Quick movements, short clamping times

Thanks to their high degree of stiffness and positioning accuracy, Shuttle mold carriers are suitable for positive molds, LFI molds and molds that are not inherently rigid. The base frame incorporates linear guide rails and a gear rack, and the shuttle carriage is driven by a servo motor. The series is characterized by fast shuttle movements and short mold clamping times. The parallel stroke is guided by the integrated guide frame. Another distinguishing feature of the series is the tilting movement of the upper and lower mold fixing platens.

Ergonomics and flexibility in focus

This concept boasts numerous advantages. The foaming robot has maximum freedom to move over the mold cavity. Ergonomics is the focus of the Shuttle series: This why all models have a low installation height, which offers easy access to the lower mold fixing area and means that the machine can be operated at ground level – without the need for pits or foundations. This avoids clamping pressure on the floor of the plant, which in turn lengthens the service life of rollers and guide rails.

Shuttle mold carriers can handle a variety of different mold heights and sizes, which can be adapted to suit customer-specific requirements. Numerous options for additional equipment offer further possibilities for individual customization. These include integrating an additional shuttle mold carrier into the plant, providing extra mold features, varying the safety components, modifying the technical specifications according to dimensions, and using different clamping forces.

Your advantages:
- Different or different-sized parts can be made simultaneously
- Very flexible – can be adapted to individual requirements
- Good ergonomics and ease of use
- High level of automation

Shuttle mold carrier for applications using composites

The largest double shuttle mold carrier for RomeoRIM

KraussMaffei has built the largest double-shuttle mold carrier to date for the American company RomeoRIM (Romeo, Michigan, USA), showcasing its expertise in innovative custom solutions.

Molds weighing up to 36 t are now possible

Boasting a platen measuring 3660 x 3660 mm, it can accommodate molds weighing in at up to 36 t. The mold carrier, which measures 22 x 5 x 9.5 m and has a clamping force of 400 t, is equipped with a double-shuttle system that conveys and then presses one of the two bottom mold halves alternately from either side into the centrally positioned mold clamping unit.

While material is being poured into one mold for long fiber injection (LFI) and the reaction time is under way, the second part can be demolded in parallel and the mold prepared for the next process cycle. Thus, within a cycle time of 9 to 10 minutes per element, alternately one of the two elements for the complete roof module is formed. For precise part thicknesses and reproducible processes, the mold carrier is equipped with a hydraulic four-axis parallelism control, which ensures parallel closing of the molds even for asymmetric parts or off-center mold clamping.

Painting in the mold

It is therefore on this LFI system – the world's largest – that RomeoRIM produces a two-part roof for agricultural machinery based on a PU glass-fiber mixture. The durable painted surface is fully automatically sprayed into the mold using the in-mold painting (IMP) process prior to commencement of the LFI process. Despite its impressive dimensions of around 2.5 x 2.1 m and an area of over 5 m^2, the two-part roof in its entirety weighs less than 23 kg and fulfills all the requirements in terms of flexibility, superior durability, low weight and cost-effective production. The option for integrating bumps and ribs at the rear also makes a contribution.

Two industrial robots, each of which is equipped with a latest-generation LFI mixing head, are moved over the mold in parallel to pour in the LFI mixture. Beforehand, two additional industrial robots can be used to apply a layer of paint (in-mold painting) and a barrier layer to the bottom mold, which prevents the fibers from standing out on the visible side. Consequently, completely painted parts with excellent mechanical properties and premium quality surfaces are manufactured in a single pass.

User-friendliness in the spotlight

In spite of the enormous size of the mold carrier, the importance of user-friendliness has not been forgotten. This is provided for by a swivel device on the movable upper platen. When the mold carrier is completely open, the swivel device along with the upper mold can be swiveled out by 90°. Moreover, in the areas in which paint fumes evaporate, the shuttle system is designed to be explosion-proof so that no problems arise there. This was the ideal opportunity for KraussMaffei to showcase its combined expertise in process and mechanical engineering. Because all system components were made in-house, we could be sure of meeting all the customer's requirements quickly and completely.

Your advantages:

- Hydraulic four-axis parallelism control allows for reproducible processes
- Parts with excellent mechanical properties and premium-quality surfaces
- In-mold painting allows paint surface to be applied directly in the mold
- User-friendly despite enormous size

The right concept for every task

For customer-specific PU processing methods that are optimized to suit the parts to be produced, KraussMaffei offers a choice of two system concepts – stationary and mobile systems – depending on the components, the variety of products to be manufactured, the production capacity and volume, as well as the manufacturing steps and times, and the required level of automation. With these, it is possible to produce a broad spectrum of parts for a wide range of industries using various different production processes. Both concepts offer flexibility in the implementation of customized solutions, transparency in production, reproducibility, top product quality and the highest possible level of automation.

Stationary systems are ideally suited for low production volumes

Stationary systems for low production volumes

A simple design that is easy to upgrade – KraussMaffei stationary systems

They come into their own when the process requires fixed mixing heads on the mold and when the material is foamed in the closed mold, or the mold carriers are big and heavy and cannot be moved using conveyor systems. Depending on the product and the configuration of the molds, foam can therefore also be applied in stationary systems by means of a hand-held outrigger or a robot. For this purpose, each station is fitted with the necessary protective devices.

The molds and mold carriers in KraussMaffei's stationary systems are – as the name suggests – fixed in one place. All the steps of the entire cycle are carried out in these stations, in contrast to conveyor systems, where the molds are transported to each individual process step. Stationary systems allow you to reduce investment costs for low production volumes. In addition, you achieve streamlined logistics with separate provisions for each mold.

Your advantages:
- Simple design makes for easy upgrades
- Low production volumes require only relatively low investment costs
- Logistics are streamlined because separate provisions are made for each mold

Well rounded
Robust and low-maintenance rotary tables

With its various different rotary table concepts, KraussMaffei offers you the optimal solution for your individual requirements. A number of different configurations are possible thanks to the integration of peripheral devices such as robots and extraction systems. The design is tailored to the customer's specifications.

Rotary table with gear drive

Customized to your needs

While the chain-driven version is designed for high payloads, the gear-driven version is suitable primarily for small diameters and small mold carrier and mold loads. Both of these models are robust and low-maintenance. The mold carriers can either be equipped with their own drive unit or be actuated by an external unit. Mold carrier and mold safety features are automatically switched off in the operating area.

Chain-driven rotary tables

Chain-driven rotary tables are designed with welded steel structures and consist of standardized segments. A wrap chain driven by a stationary drive station is fitted around the rotary table. Each segment is equipped with a cover plate – on one of these segments is a hatch enabling access to the rollers for maintenance work. A ring line is fitted to the rotary table to supply the individual rotary table segments with power, air, water, a vacuum or hydraulic oil. Media is fed via a slip ring element and a rotary transmission feedthrough on the rotary table, or via injection units traveling with the rotary table.

Chain extension is compensated by an automatic clamping station. The incremental position measuring system positions the rotary table very precisely. A traveling apron for the operator can also be fitted to the segments. The mold carriers can be fixed as per the customer's requirements, and the mold carriers themselves can be controlled either centrally or locally.

Highly dynamic system

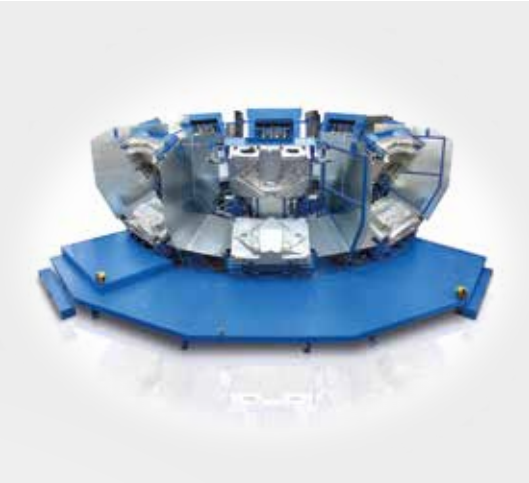
The chain-driven rotary tables enable a high output of parts. The highly dynamic system allows for short rotary table travel times. These systems are flexible and offer 'cyclic', 'continuous' and 'continuous with foam stop' operating modes. The rollers are leveled and sprung for reduced wear. They are additionally fixed to the floor, which precludes the need for recesses. The drive unit and the center console with four-point mounting are fixed to the floor and embedded in mortar. The exchangeable roller guide is screwed to the segment. Either plastic or steel rollers can be used.

Gear-driven cantilevered rotary tables

Gear-driven cantilevered rotary tables may either be designed as welded structures consisting of standardized segments, or they may have a spoked design. The center console with externally toothed four-point mounting is fixed to the floor and embedded in mortar. Force is transmitted beneath the rotary table via an externally toothed live ring into which the pinion of a bevel gear motor engages. The mold carriers can be controlled centrally or locally.

Like chain-driven rotary tables, gear-driven systems offer the following three operating modes: 'Cyclic', 'continuous' and 'continuous with foam stop'. With these drive variants too, a ring line is fitted to the rotary table to supply media, which takes place via slip ring elements and a rotary transmission feedthrough.

The mold carriers and mold can be fitted horizontally or vertically according to your needs. The central gear drive and automatic lubrication significantly reduce maintenance requirements for you. The systems are made particularly compact by the central drive. An absolute position measuring system positions the rotary table very precisely.



Rotary table with chain drive

Your advantages:

- Position measuring systems allow for precise positioning
- Three different operating modes afford flexibility
- Stability is provided by the reliable four-point mounting and the fact that the system is fixed to the floor

Modular oval conveyor systems
Flexible and easy expansion in production

KraussMaffei offers modular oval conveyor systems for efficient production of very high volumes. The mold carriers are designed as cassettes and mounted on carriages conveyed by a chain. The chain is driven by a central drive station with a hydraulically pre-tensioned turn station.

Low maintenance and user-friendly
A reduction in the number of mold carrier drives makes the systems low maintenance and, because they are easy to access, user-friendly too. The floor-level design makes it easier to use and improves the ergonomics. The shallow pitch allows for a high output of parts at a low conveying speed. The mold carriers are supplied with air via a central air feed, and injection units for heat-balanced water that travel with the system permit autonomous operation. Electrical power and data are transmitted via a sliding contact.

With KraussMaffei's oval conveyor systems, the mold carriers may either be actuated by an external guide rail with a clamping station or by internal pneumatic or electric drive units. The closing station is available in various designs all ensuring that the mold carriers can be closed rapidly and independently of speed. When they are in the reaction zone, the mold carriers can also be individually tilted.

Easy to expand thanks to modular design
Because the oval has a standardized modular design, it can be expanded to meet the requirements of an increased production volume.

External, high-precision foam and release agent robots are integrated into the plant.

The optimized drive and guidance concept ensures that your system runs quietly. Systems can be designed to use any of several methods of mold carrier actuation, and the number of stations can be varied. Because the mold carriers close very quickly, up to 2 x 6 components can be processed with the appropriate foaming machines and mixing heads. In addition, various equipment options are available.

Optional highlight for maximum efficiency:
In systems with automatic mold-carrier changing, the mold carriers can be changed at full production speed.

Your advantages:
- Media supply system that travels with the oval conveyor system
- Fast and independent mold carrier closing
- Optimized drive and guidance concept ensures that system runs quietly
- Maximum efficiency with optional fully automatic mold carrier change without interrupting production

Oval conveyor systems provide high output:
The mold carriers are mounted on roller units and continuously conveyed by the central drive in the oval conveyor system. The number of stations, as well as the size and function of the mold carriers, is variable as desired. The automatic mold carrier change is optional.

KraussMaffei supplies complete production plants that are perfectly tailored to your needs

Many modules for an optimized system
Focus on individual requirements

The system concepts are composed of various different modules, all of which are supplied by KraussMaffei. These include a wide range of metering machines with numerous additional units, which guarantee high product quality and flexibility combined with low scrap rates. Added to this is a varied portfolio of high-pressure mixing heads characterized by their cost-efficiency, reliability and very low costs. Using manipulators or robots, the mixing head can travel along precise, reproducible trajectories across the open mold and pour in the foam.

KraussMaffei's comprehensive mold-carrier range offers the right solution for all advanced PU-processing tasks. Machines and systems can be quickly adapted to customer-specific requirements, in terms of the application, production volumes and shot weight, at any time. Production-focused modular control concepts and process data capture systems configured to suit the degree of automation and other requirements ensure that important process parameters, such as pressure, temperature, flow rate, mixing ratio and shot time, are constantly monitored or regulated and can be logged. The range of system modules is completed by a varied selection of peripheral components.

Compact all-rounder
Self-locking molds

Self-locking molds counteract the foam pressure to keep the mold closed and lock it. In recent years, they have become a permanent fixture in KraussMaffei's product portfolio.

Your advantages:
- Occupy less space and are more compact than the conventional combination of mold carrier and mold
- Customized to suit the specific requirements set out by the customer
- Electric drive units can be used to open and close the mold, and to adjust the foam layers
- Specific tailoring to the mold often makes the complete system a better option

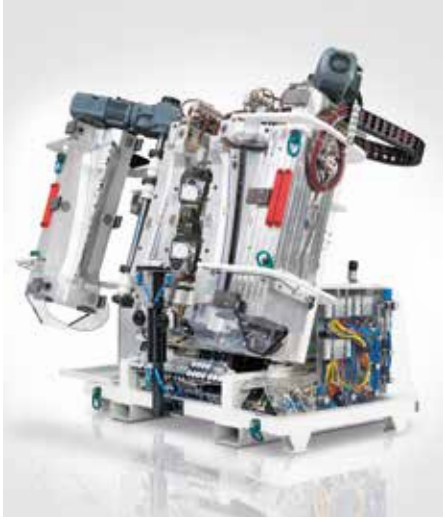
Space-saving alternatives

In the first instance, self-locking molds occupy less space and are more compact than the conventional combination of mold carrier and mold. Additionally, the clamping and locking components, as well as the steel structure, are specifically tailored to the mold, which often makes the complete system a better option.

Moreover, the self-locking molds can be customized to suit the specific requirements set out by the customer, which might concern ergonomics for the operator or on-site conditions, for example. Another advantage is that fast, electric drive units can be used to open and close the mold, and to adjust the foam layers.

Suitable for various applications in the automotive industry

Usually included with the systems is a PLC control unit, which regulates essential functions and features of the mold, such as seals, splitters, vacuums, air cushions, ejectors, opening, closing, locking, safety pegs, safety scanners, etc. Self-locking molds are used primarily in the automotive construction industry, where they are predominantly employed in the production of parts to be fitted in the passenger compartment, such as armrests, door panels and instrument panels, or for manufacturing elements such as cable bushings for the engine bay.



Self-locking molds with electric closing function

Intuitive to use and highly reliable PUC08 process data acquisition

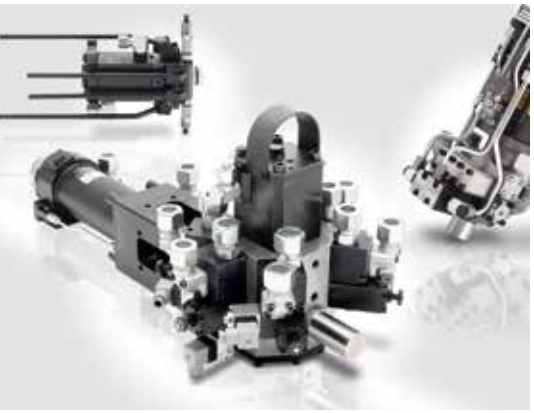
The PUC08 from KraussMaffei allows process data for polyurethane processing to be acquired in a clear and user-friendly way.

The clear and intuitive user interface reduces training time and costs while ensuring fast analysis of any errors and faults. Wetside and dryside components are visualized. The PUC08 gives users a complete overview of the system's current status and is not only comfortable to use but also extremely reliable. The robust computer has been designed without any moving parts – that means no fans and a flash memory instead of a hard drive. The PUC08 communicates with the PLC via Ethernet.

Your advantages:
- Touchscreen with intuitive user interface
- Flexible system visualization
- Alarm, stoppage and shot records, plus all other process-relevant data, are logged and stored in an SQL database
- Production is extremely reliable as all production parameters are saved in the PLC
- System runs even when the computer breaks down
- Robust industry computer without moving parts
- Easy to expand thanks to modular design

PUC08 process data acquisition for oval conveyor systems

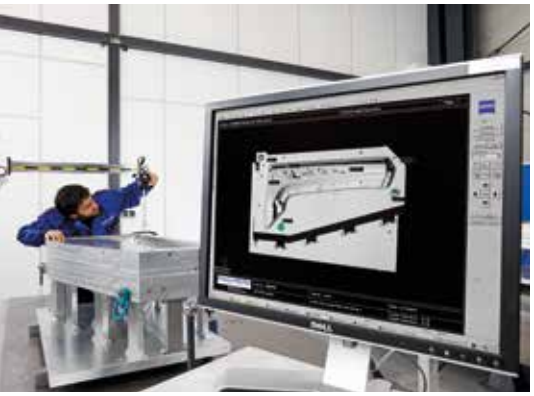
Further information
which might also interest you



Are you looking for the right metering machine or the mixing head best suited to your application? Obtain information about our broad product range, such as:

- Metering machines
- Mixing heads and mixing head handling
- Solutions for lightweight construction, white goods and molded flex
- Foam molds and trimming solutions

Please contact us. We will prepare documentation that is specially tailored to your need.



You can find our brochures and flyers online at: www.kraussmaffei.com. On request, we would also be happy to send you information and technical data for our products free of charge.

KraussMaffei
A strong brand in a unique global group

Cross-technology system and process solutions
Whether in Injection Molding, Reaction Process Machinery or Automation – the KraussMaffei brand stands for pioneering and cross-technology system and process solutions in plastics processing worldwide. For decades, our expertise, innovative ability and passionate commitment to plastics engineering have been your competitive edge. As a cross-industry system provider, we offer you modular and standardized systems as well as solutions customized to your needs.

There for you around the world
With our worldwide sales and service network, we offer our international customers an excellent basis for a successful business relationship. Due to the close proximity to our customers, we are able to answer your individual inquiries very quickly. We work out the best possible technical and economical solution for your product and production requirements together with you. Test our machine technology for your applications and let our experts put together an individualized service package for you.

Individualized service
Our employees from customer service, application technology and service help you with your questions and needs on every topic dealing with machines, systems and processes – around the globe, quickly and with a high level of expertise. We have developed an extensive customized service spectrum with our lifecycle design, which accompanies you throughout the entire lifecycle of your machines and systems. Take advantage of the personal interaction and flexibility we offer in our practically oriented seminars. We carry out customer-specific trainings either at your location or at our sales and service locations.

You can find additional information about KraussMaffei at: www.kraussmaffei.com

KraussMaffei Group
Comprehensive expertise

Unique selling proposition Technology[3]
The KraussMaffei Group is the only provider in the world to possess the essential machine technologies for plastics and rubber processing with its KraussMaffei, KraussMaffei Berstorff and Netstal brands: Injection Molding Machinery, Automation, Reaction Process Machinery and Extrusion Technology.

The group is represented internationally with more than 30 subsidiaries and over ten production plants as well as about 570 commercial and service partners. This is what makes us your highly skilled and integrated partner. Use our comprehensive and unique expertise in the industry.

You can find additional information at: www.kraussmaffeigroup.com

The KraussMaffei Group has a global presence. Countries with subsidiaries are marked in dark blue. In the white-colored regions, the Group is represented by over 570 sales and service partners.

Mold carriers and plants
Powerful. Reliable. Easy to use.

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