

Sales launch at K 2022: KraussMaffei starts sales of precisionMolding and powerMolding in Europe and North America

- New injection molding machine series deliver high precision and a high performance level with fast availability and short lead times
- Ideally suited for standard applications for TEC and consumer goods, electrical and electronic devices, automotive, logistics and packaging and medical technology
- Live at K: Sustainable applications for the toy and automotive industry

(Munich, October 19, 2022) KraussMaffei is launching sales of the precisionMolding and powerMolding in Europe and North America at K 2022. With this step, the all-electric precisionMolding is available worldwide in the clamping force sizes from 500 to 3,200 kN, while the hydraulic powerMolding two-platen machine will be available from January 1st 2023 worldwide in the clamping force sizes from 6,500 to 16,000 kN. KraussMaffei is expanding its product line substantially by adding two new premium quality injection molding machine series for standard applications.

"In Europe and North America, we are also seeing increasing demand for high-performance standardized injection molding machines that also offer fast availability," says Xiaojun Cui, Executive Vice-President New Machines Business at KraussMaffei. This development is driven primarily by increasing cost pressure as well as dynamically changing market and product trends. For these requirements, KraussMaffei is now offering two customized solutions in the precisionMolding and powerMolding. Both injection molding machine series feature an outstanding modular concept with a customized selection of options that are available quickly within short lead times. And

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this is available at an attractive price/performance ratio. The target industries for both the precisionMolding and powerMolding are standard applications, for example for technical parts and consumer goods, electric and electronic devices, as well as for the automotive, the logistics and packaging or the medical industry.

KraussMaffei is undertaking a significant expansion of its product portfolio with the precisionMolding and powerMolding. "We offer our customers system solutions from injection molding technology and automation for the complete range of requirements – from standard one-component injection molding on the precisionMolding or powerMolding to technologically challenging applications on the proven PX, CX, GX or MX series. We have been doing this for many years now with innovative, reliable solutions and worldwide service," Xiaojun Cui explains.

Proven KraussMaffei quality and maximum energy efficiency

Both the precisionMolding and powerMolding stand for high efficiency and profitability that meet the familiar KraussMaffei quality standards. Integration of digital solutions such as the APCplus (Adaptive Process Control) machine function or automation solutions is also easy.

The all-electric precisionMolding inherently features good energy efficiency thanks to the all-electric machine design. The powerMolding offers the proven KraussMaffei BluePower servo drive in standard models. This controls the pumps according to the optimal requirement/energy consumption. Only as much energy as necessary at the moment is consumed. The bottom line: Depending on the application, the powerMolding offers up to as much as 40 percent higher energy efficiency over comparable standard injection molding machines on the market.

Sustainable applications for the toy and automotive industry live at K

The precisionMolding 160-750 with a clamping force of 1600 kN produces soft tennis ball rackets from a sugar cane-based biopolyethylene from FKUR, which indeed are 100% made of this material. The most outstanding feature: The biopolyethylene from FKUR not only binds CO₂ during its own

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production, but is particularly robust and durable and can be recycled up to 100 percent after use. Here as well, the proven APCplus machine function reliably compensates for external influences on the injection molding process and ensures consistently high component quality. The cost-effective system solution is being supplemented by an LRX EasyControl linear robot that is ideal for simple pick-and-place applications.

The powerMolding 1300-11900 with a clamping force of 13,000 kN is part of the complete circular economy at the KraussMaffei trade show booth. It is producing frontend carriers for the automotive industry. The material is 100 percent recycled PP made of old insulin pen caps for the medical industry. For this application on the powerMolding, too, the APCplus machine function assumes an important function. It reliably compensates for the batch fluctuations commonly encountered in recycle processing and thus ensures consistently high component quality here as well. An integrated linear robot of the LRX series takes over safe and reliable handling of the components.

1_KM_IMM_2022_10_19_precisionMolding.jpg

Perfect entry to the world of all-electric injection molding:
the precisionMolding provides a high performance level with fast availability
and easy operation

2_KM_IMM_2022_10_19_powerMolding.jpg

Proven KraussMaffei quality and maximum energy efficiency:
The hydraulic powerMolding two-platen machine is ideal for standard
applications in injection molding

3_KM_IMM_2022_10_19_softball tennis racket.jpg

Sustainable fun for kids: At K, the precisionMolding 160-750 produces soft
tennis ball rackets made of 100 percent biobased polyethylene

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4_KM_IMM_2022_10_19_front end carrier.jpg

From 100 percent recycled PP material: As part of the circular economy, the powerMolding produces a front end carrier for the automotive industry at the KraussMaffei trade show booth

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

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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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