

Highly efficient and flexible extrusion solutions at K 2022 in Düsseldorf

- ColorAdjust for the most exacting quality standards in plastics dyeing
- Operator-independent and consistently high productivity and quality
- New ZE-BluePower size gives maximum productivity
- KraussMaffei offers groundbreaking technology for the production of PO floor coverings
- At K 2022 (hall 15, booth C 24 to D 24), trade show visitors will get a live experience of the latest KraussMaffei innovations

(Hannover, 19 October 2022) At K 2022 in Düsseldorf (hall 15, booth C 24 to D 24), KraussMaffei will demonstrate how extrusion companies can boost their performance. At the exhibition booth in Düsseldorf, innovations will revolve around premium product quality, intelligent machine operation, cost-effective production and new processes for the plastics processing industry. The machine manufacturer will be presenting many of its innovations with a live demonstration of the Circular Economy process. In this process, a twin-screw extruder converts shredded medical caps into a fiber-reinforced recompound of precise coloring.

ColorAdjust for the most exacting quality standards in plastics dyeing

KraussMaffei kicks off K 2022 with far-reaching enhancements to its ColorAdjust color measuring and control system and thus meets the increasing demand for efficient and reliable quality control in plastics dyeing. “With ColorAdjust, KraussMaffei is providing the market with a spectrally operating measuring system for compounding applications,” reports Xiaojun Cui, Executive Vice President New Machines at KraussMaffei. “This system

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is designed not only for contactless monitoring of color variations, but it also detects even the slightest deviations, in which case it triggers instant corrections to restore the color setpoint.” This enables processors to achieve a high level of reproducibility even when processing input materials of varying color spectrum. The color setpoint is rapidly restored when starting the compounding process after a stop as well as in the event of color changes. ColorAdjust thus supports sustainable and highly efficient production of reclaim materials. Start-up scrap and rejects are thus minimized, eliminating disposal requirements. This saves time and money, and – above all – valuable raw materials.

Operator-independent and consistently high productivity and quality

“The shortage of skilled personnel is also affecting the plastics processing sector and companies are finding it increasingly difficult to recruit qualified specialists. That's why KraussMaffei's pioneer processControl focuses on simple and clear operation,” adds Xiaojun Cui.

The core feature of the new user interface are so-called wizards that provide the operator with step-by-step instructions for certain procedures such as starting the production line or shutting it down. Operators receive the right information at exactly the right moment and can additionally store their experiences in the system, so that colleagues will also benefit from them. This will enable even less experienced staff members to control complex extrusion processes. Operating errors are thus reduced, which minimizes standstill periods and optimizes production efficiency.

New ZE BluePower size gives maximum productivity

KraussMaffei is investing heavily in the further development of the ZE BluePower series. At K 2022, it launches a twin-screw extruder size with a screw diameter of 186 mm. This extruder size is mainly aimed at plastics processors with the highest throughputs, who require unparalleled productivity and excellent quality. The modular design enables optimum adaptation to different processes. Typical areas of application include reaction, degassing and compounding as well as recycling processes.

“With the new ZE 186 BluePower we once again underline our technology leadership. Our customers benefit from efficient and proven technology that

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they can adapt precisely to their individual requirements with a wide range of familiar peripherals from the ZE BluePower series,” emphasizes Xiaojun Cui.

KraussMaffei offers groundbreaking technology for the production of PO floor coverings

KraussMaffei is consistently investing in the “polyolefin floor coverings” growth market. By cooperating with leading raw material manufacturers, the company supplements its technology know-how with an important step in the workflow, i.e. the formulation development. In this way, the machine manufacturer supports its customers in further optimizing their process efficiency and cost-effectiveness.

All in all, KraussMaffei thus offers the complete technology range for highly efficient development and production of PO floor coverings – from formulation development to in-line compounding, shaping and polishing to fully automated lamination, cutting and stacking of the sheets.

Captions:

Photo1_KM_EXT_2022_10_19_Extrusion_news: The innovative ColorAdjust system combining a color-measuring instrument based on photo-spectrometer technology with the machine control system ensures precise and reproducible colors

Photo2_KM_EXT_2022_10_19_Extrusion_news: Enhanced ZE 28 BluePower production efficiency thanks to the new pioneer processControl

Photo3_KM_EXT_2022_10_19_Extrusion_news: One-stop solutions for the production of PO floor coverings

For further information and printing-quality photos, please visit:

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 has been synonymous with cutting-edge technology for over 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 added 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, and medical and construction industries, as well as manufacturers of electrical and electronic products and household appliances. KraussMaffei employs around 4700 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. The company headquarters has been in Munich since 1838. In April 2016, the Chinese state-owned company China National Chemical Corp. Ltd. ("ChemChina"), one of the leading chemical companies in China, became majority shareholder of KraussMaffei Group. At the end of 2018, ChemChina listed the KraussMaffei Group as KraussMaffei Company Ltd. in Shanghai. This listing opened up access to the Chinese capital market and local investors.

For further information, please visit: www.kraussmaffei.com

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