

Laboratory extruder relaunched: ZE 28 BluePower

- New ZE 28 BP twin-screw extruder design adapted to customer requirements
- Solution for any application with optimized ease of operation
- Focus on higher efficiency, shorter delivery times and increased cost effectiveness

(Laatzen, November 8, 2023) At this year's Fakuma in Friedrichshafen, Laatzen-based KraussMaffei Extrusion GmbH will exhibit the newly designed ZE 28 BluePower laboratory extruder. In addition to fast availability and a highly attractive price, this extruder is characterized by improved ease of operation and enhanced performance.

The new high-performance laboratory-scale extruder convinces by a perfect combination of free volume (OD/ID = 1.65) and high torque density of 13.6 Nm/cm³. Depending on the specific process requirements, the processing section can be configured within a length range of 32 to 64 D and equipped with up to three side feeders.

Just like the other extruders in this series, the ZE 28 BluePower is available in three material variants, in order to offer the wear resistance and corrosion protection required for customer-specific applications.

Solution for any application with optimized ease of operation

The laboratory extruder is designed to implement bespoke process solutions thanks to a wide variety of configuration options. These include processing section elements in high-temperature design with a thermal resistance of up to 420°C. In addition, the automatic screw removal towards the drive – or "UltraGlide" feature for short – further expands the range of applications for this machine.

Since October 2022, the standard version of the ZE BluePower extruder has been equipped with the newly developed "pioneer processControl" (ppC) featuring wizards (assistants) for enhanced production reliability. These

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wizards provide the operator with step-by-step instructions for certain procedures such as starting the production line or shutting it down. As a matter of course, common up- and downstream systems can be integrated into the new control system.

Focus on higher efficiency, shorter delivery times and increased cost effectiveness

“After intensive discussions with our customers, we have responded to current market requirements and improved our twin-screw extruder accordingly”, says the Michael Tieben, Product Manager for the ZE BluePower series. “In the future, we will offer our extruder with a cost advantage as compared to our competitors and an attractive delivery time.”

High energy efficiency, excellent temperature control within the processing section, improved surface cleaning, enhanced power electronics protection and an optimized strand extrusion die are the key features of the relaunched ZE 28 BluePower design. The processing sections including the screw configurations are still customized and all process-engineering results can be scaled up without any problems to the entire BluePower extruder range from size ZE 42 up to the ZE 186.

Captions:

Photo1_KM_EXT_20221108_ZE28BluePower: New paths for laboratory extruder customers: The design study shows the new low-cost standard version of the ZE 28 BluePower extruder

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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 185 years. Our range of services covers all areas of injection molding machinery, extrusion technology and reaction process machinery. In 2022, we integrated additive manufacturing into our portfolio. This broad range of technologies 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 allows 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 4700 people all over the world. With more than 30 subsidiaries, over 10 production plants as well as about 570 commercial and service partners, we are represented internationally close to our customers. The company was founded in 1838 in Munich.

In April 2016, China National Chemical Corp. Ltd. ("ChemChina") became majority shareholder of KraussMaffei Group. In December 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. Today, ChemChina belongs to Sinochem Holdings Corporation Ltd., one of the world's leading chemical conglomerates with over 220,000 employees.

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

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