Fakuma®

Hall A6
Stand 6202

Press Release

Maag at Fakuma 2018:
From raw material production through to recycling systems – extrusion-related products from a single source

Oberglatt, Switzerland, August 22 2018 – Maag, a global leader in the manufacture of gear pumps, pelletizing and filtration systems as well as pulverizers for high-end applications, will be exhibiting examples of its broad-ranging portfolio of extrusion-related systems on stand 6202 in hall A6 at Fakuma 2018 in Friedrichshafen, Germany, between October 16 and 20. For the first time at Fakuma, Maag will be sharing a stand with filter manufacturer Ettlinger, which joined the group in January this year. As a result, Maag will be offering products for applications from raw material production, through compounding, to recycling, all from a single source. The range of products shown will extend from a gear pump for high pressures, through a dry-cut strand pelletizer and an underwater pelletizing system for the production of spherical pellets ending with a high-performance melt filter with an extra-fine filtration grade for bottle-to-bottle PET recycling.

Maag gear pumps, now available in an x^6 class version, are designed for particularly high melt pressures, and suitable for a wide range of viscosities. While the focus in developing the EP and EV types was on maximizing pressures and volumes, the model being presented at Fakuma forms part of the more in demand GU line of products. As generally for the x^6 versions, Maag has completely revised all its components, from the gears and shafts to the bearings and seals, and has optimized the functional interaction of the components in order to enhance product quality, volumetric efficiency and the consistency and safety of the production process even further.

At Fakuma, Maag will also be presenting a PRIMO 200 E model pelletizer from its WSG dry-cut strand pelletizing systems range for the reliable production of high-quality cylindrical

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pellets or micro-pellets ideally suited to further processing. Like all the models in the PRIMO E family, it features a variable system configuration for the processing of soft, brittle or abrasive polymers. Quick tool and roller exchange enables flexible adaptation to specific production demands, delivering optimum flexibility for product changes. The pellets created by this system can be infinitely adjusted in terms of weight and length to the specific task at hand. With a 200 mm draw-in width, it is designed for draw-in speeds up to 120 m/min and a maximum throughput rate of 1500 kg/h.

The PEARLO® 160 being presented at Fakuma 2018 forms part of a new family of Maag high-performance underwater pelletizing systems. This product line was developed for the production of spherical plastic pellets. It combines technologies from Gala and Automatik for highly efficient and flexible deployment in high-end applications at throughput rates starting in the single-digit range and extending up to 36,000 kg/h (the 160 model being presented in Friedrichshafen achieves 1,000 kg/h to 6,000 kg/h). Compact and modular in design, they require only a very small footprint in production. The electronically controlled EAC technology ensures precise positioning of the pelletizing knives during operation, and hence long runtimes free of interruptions with consistently high pellet quality. Typical applications also include the production of wood- and natural fiber-filled compounds, thermoplastic elastomers, rubbers, and hot adhesives.

The ECO 200 high-performance melt filter from Ettlinger being presented at Fakuma 2018 is – like the larger ECO 250 version – designed for very free-flowing materials such as PET and PA with pollution severities up to 1.5 %, but is also suitable for polyolefins and polystyrenes. Typical applications are compounding and filtration of gels and agglomerates, in particular of aluminum, paper, silicone or PVC constituents from recycled PET bottles. The now available extra-high filtration grade of 60 µm is ideal for bottle-to-bottle recycling, with its extremely high quality demands. Thanks to their efficiency, the

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ECO melt filters can be integrated directly into PET thermoforming lines, where their throughput rates of up to 1000 kg/h (type 200) and 3000 kg/h (type 250) help to improve machine availability and enhance cost-effectiveness.

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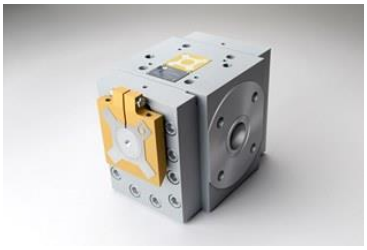

Photo: Maag’s extre**x**^{6} gear pump for plastic- and elastomer processing

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Information about Maag:
Maag is the worldwide leading manufacturer of gear pumps, pelletizing systems, filtration systems and pulverizers for demanding applications in the plastics, chemical, petrochemical, pharma and food industries. Maag develops, manufactures, and distributes innovative, customized solutions for complete pump and pelletizing systems – with the expertise based on its long-term industrial tradition since 1910.

Maag is known worldwide as a pioneer and technology leader in the development and manufacturing of gear pumps and system solutions tailored to meet the needs of individual customers. For decades the company has stood for innovative pelletizing systems of the highest quality. In 2018-Ettlinger Kunststoffmaschinen GmbH has joined the Maag family, thereby extending the product portfolio to include high performance melt filters and injection molding machines.

Maag manufactures in Switzerland, Germany, Italy, USA and China, with additional sales offices in France, Singapore, Taiwan, Malaysia, India, Thailand and Brazil and employs more than 1000 staff. It is represented in the markets with its brands „Maag Pump & Filtration Systems“, „Automatik Scheer Strand Pelletizers“, „Gala Automatik Underwater

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Pelletizers“ and „Reduction Pulverizing Systems“.Maag, a Dover Corporation Company (NYSE:DOV), is a business unit of Dover Fluids.