

Press Release

Maag Automatik to present revolutionary processes for pelletizing and pump technology at Fakuma 2015

Großostheim, Germany, August 27, 2015 – Maag Automatik presents a revolutionary process for pelletizing special engineering polymers at Fakuma in Friedrichshafen, Germany, in hall A6, booth 6202. Optimized Temperature Pelletizing (OTP) is a new void free approach to pelletize technical thermoplastics with Maag's SPHERO® underwater pelletizing system. This new process can cover the entire process from plastic melt to finished high quality pellets.

Another focal point in the booth is Maag's new generation pump. The advanced developed pump can run at higher speeds without increased product temperature, due to its tremendous improvement in volumetric efficiency. In addition, the pressure building capability is vastly improved even at lower speed increasing the minimum to maximum production rate window. The generation 6 extrex® is truly a new generation of gear pumps setting a new bench mark in the pump industry. The new generation offers up to 50 % higher flow rate on comparable products.

Maag, your reliable partner for pumps, filtration and pelletizing systems also shows a complete system for polymer production in the mid-tier throughput range. The system consists of the extrex® 90 extrusion pump, the CSC-RS 116 arched screen changer and the SPHERO® S 100 underwater pelletizing system.

The extrex® 90 extrusion pump from Maag Pump Systems is shown feeding melt to the CSC 116-RS screen changer with arched cavities and from there the melt is fed to the SPHERO® S 100. The proven gear and bearing technology of the extrex® series combines high efficiency with minimized energy consumption. Optimized flow channels, very good self-cleaning properties and a long service life are the hallmarks of the pump. The CSC 116-RS screen changer with arched cavities allows the screen surface area to be enlarged up to 4 times compared with conventional designs.

The newly- designed underwater pelletizing system Sphero S 100 incorporates a variety of feature upgrades, making it ideally suited for masterbatch, compounding and recycling applications with throughputs between 700 and 3000 kg/h. New pneumatic diverter valves, for example, optimize the flow channel and ease the cleaning of the cutting chamber, while improved access makes cleaning easier and knife changing faster.

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Photo: View of Maag Automatik test lab with OTP process in work



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About Maag:

Maag is the worldwide leading manufacturer of gear pumps, pelletizing systems, and filtration systems for demanding applications in the plastics, chemical, petrochemical, 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 Automatik has been manufacturing innovative pelletizing systems, screen changers and melt filtrations of the highest quality for several decades. It is the world leader in underwater strand pelletizing systems. That leadership position is founded on state-of-the-art technology and on comprehensive know-how in all pelletizing techniques and pellet forms. The company's longstanding tradition in development, production and global sales and distribution is complemented by comprehensive advice and service backup.

The whole company employs more than 500 staff at its headquarters in Switzerland and its production sites and sales offices in Germany, France, Italy, Singapore, Taiwan, Malaysia, China, Brazil, and the USA and is represented in the markets with its brands "Maag Pump Systems" and "Automatik Pelletizing Systems". Maag, a Dover Corporation Company (NYSE:DOV), is a business unit of Dover Fluids.