

Press Release

Revolutionary Process to cut Technical Thermoplastics under water

Großostheim, Germany, July 15, 2015 – Maag Automatik has developed a revolutionary process for pelletizing special engineering polymers. Optimized Temperature Pelletizing (OTP) opens the way to pelletize technical thermoplastics in Maag's SPHERO® underwater pelletizing system. It can cover the entire process from plastic melt to finished high quality pellets.

Spherical pellets have less wear during any transportation process compared to other geometries. Less wear equals less dust formation, which results in less effort for dust removal or cleaning. The improved process gives you a better pellet quality, and therefore increased profits.

In the presence of pressurized over-heated water (> 100°C) pellets are cut and subjected to the first cooling step. In the transfer unit, the pellets are separated from overheated water and handed over to the second cooling circuit (< 95°C).

After subsequent cooling the pressure is released and the pellets are separated by the CENTRO dryer from the process water. Leaving the drying process, the pellets are ready for subsequent processing or packing.

The closed loops result in operating conditions without any emission to the air and without contamination of the product.

Based on the higher temperature level in the isolated first cooling process, that energy could easily be used for heating purposes or transformed e.g. into electrical power, suitable for the involved consumption elements like pumps, motors, etc.

OTP pellets meet the high standards of plastics used in medical applications. Even optical applications like glasses or screens can now be handled with polycarbonate, pelletized with OTP. Also there is a large scope of utilization in the automotive industry: Panorama roofs, cable connections or parts of the engine can be produced from OTP pellets.

With OTP your pellets will shine like diamonds, no voids, no dents, no other defects.

For more information on OTP please go to the following link: <http://ow.ly/PG0HO>

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Words: 297	Characters (no/with spaces): 1'671 / 1'961	Reprint free of charge, copy requested
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Photo: Optimized temperature pelletizing



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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.