

Press Release

MAAG Group presents PEARLO® the Underwater Pelletizer

Latest technology designed for spherical-pellet production will be on display at K2019


Oberglatt, Switzerland, October 16, 2019 – MAAG Group, a worldwide leading manufacturer of gear pumps, pelletizing systems, filtration systems and pulverizers for use in the plastics, chemical, pharmaceutical and food industries, is pleased to introduce the latest design of the PEARLO® Underwater Pelletizer.

The PEARLO® Underwater Pelletizer has been specially designed to process spherical pellets at low and high capacities and at a highly profitable degree. This most efficient and flexible system can for example be applied in the production of raw materials, compounds, masterbatches, engineering plastics, wood and nature filler filled polymer composites, thermoplastics elastomers, hot-melt adhesives, gum base and specifically in the field of recycling. It can reach production rates of up to 36.000 kg an hour.

The unique features of the PEARLO® Underwater Pelletizers sets it apart from competitive models throughout the integration of movability and flexibility of the components on one frame and in view of uptime, efficiency and low waste generation. The plastic melt is typically transferred to the die plate via the hydraulic startup valve. From the die plate, the heated melt is extruded through holes in a ring shape into the cutting chamber, which is flooded with process water. The cutter hub then cuts the polymer into pellets, which are sent to the dryer via the process water. In the dryer, the pellets are separated from the process water and moved on for further processing, while the process water is filtered, tempered and returned to the cutting chamber.

The operational benefits of the PEARLO® include narrow face width die plate designs, wear resistant surface materials along with turbine-style flexible cutter hub and a blade design with a single-sided long blade as a standard. This unique combination allows one cutter hub for multiple jobs resulting in a cost advantage of up to factor eight for its user, while operator safety has improved and operation duration has doubled. Thermally this combination widens the operation window while heat losses have been compensated by 1/4. The PEARLO® is available in top-mounted and rail-type configurations and with automated and manual blade-advance capabilities and can be easily upgraded for automation at any time. The fully automated PEARLO-EAC version sets the benchmark for precise blade advance during operation eliminating additional equipment such as hydraulic or pneumatic activation. It also offers long-life wear parts, is very easy to clean and handle and designed for safe and continuous as well as batch operation. PEARLO® combines effectiveness in operation meaning productivity and pellet quality with efficiency meaning handling gainings resulting in time savings during color and product changes.

For more information on the PEARLO® System Underwater Pelletizer, please visit maag.com.

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Pictures		MAAG Group PEARLO® Underwater Pelletizer

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About the MAAG Group

The MAAG Group is a broadly diversified global solutions provider with integrated and customizable systems in process technology for the polymer, chemical, petrochemical, pharmaceutical and food industries. Its Pump & Filtration Systems, Pelletizing Systems, Pulverizing Systems, and Recycling Systems divisions consolidate the many years of experience and in-depth know-how of the AUTOMATIK, ETTLINGER, GALA, MAAG, REDUCTION, and SCHEER product brands. The MAAG Group currently employs over 1,000 people at production sites in Switzerland, Germany, Italy, the USA, and China. Additional sales and service centers in France, Singapore, Taiwan, Malaysia, India, Thailand and Brazil ensure close attention to customers' needs. For more information visit www.maag.com.

The MAAG Group is a business unit of Dover Fluids, a segment of the Dover Corporation.