

Press Release

Durable cutting rotors from Maag for the perfect cut

Maag now also supplies all Scheer customers with cutting rotors from the Grossostheim site

Grossostheim, April 5 2017 – Following the integration of Reduction Engineering Scheer, Maag now also supplies all Scheer customers with cutting rotors “Made by Maag” from the Grossostheim site near Frankfurt. With a total of eight grinding centers distributed around the world, Maag has the broadest network and know-how in the pelletizing industry for the design, production and regrinding of rotors. The grinding centers are located in Brazil, China, Germany, India, Malaysia, Taiwan, Thailand and the USA.

The rotors are the most important tool, in combination with the bed knife, in the strand pelletizing process. As they rotate, the individual blades of the rotor cut the continuous melt strands into homogeneous pellets. The rotors are exposed to high loads here, particularly with fiberglass-reinforced or filled polymers. Thanks to the decentralized grinding centers, the wear parts for the pelletizer can be supplied regionally with short delivery times and high-quality machining. In addition to the important know-how in production and professional regrinding, the associated process support for the machine owner is an important bonus for keeping operating costs low and ensuring trouble-free production.

Thanks to the merger between Maag and Reduction Engineering Scheer, customers of both companies can now benefit from the combined know-how of the pelletizing process, but also from the access to rotor materials and geometries.

A high-quality rotor from Maag can be reground around a dozen times; here again, Maag sets standards in the industry. The large number of possible regrinds is made possible by the fact that only a minimum amount of material is removed at each regrinding.

Effective grinding pattern for high availability

The grinding pattern, in other words the geometry of the rotor teeth, is tailored at Maag exactly to the demands of the customer’s materials. This permits effective cutting of soft, hard or reinforced materials, and at the same time reduces dust production during pelletizing and prolongs the service life of the rotor. More than 15 different grinding patterns are available for the vast array of different applications. Maag rotors ensure the production of high-quality pellets with high machine

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availability. In addition to the wide range of grinding patterns, Maag also has a broad spectrum of rotor materials and rotor widths for the various applications. Different steels, such as tool steel, stellite and powder metallurgical steels, but also carbide metals through to ceramics are used, depending on the requirements. Effective wear protection, individual rotor geometry and grinding pattern result in total in high-performance, cost-effective rotors with high availability. Thomas Willemsen, VP Business Development After Sales and Service Center, says: "Our rotors are employed on pelletizers from a large number of manufacturers because they can be demonstrably reground more often and offer a longer service life. Together with the process know-how, Maag is able to reduce the energy input and the costs for the production materials. The resulting higher machine availability improves the cost structure and the ROI of pelletizer systems."

Expertise of the market leader

Maag and Reduction Engineering Scheer have been involved in the production and grinding of cutting rotors for pelletizers for more than 50 years. The focus is not only on rotors for new pelletizer systems, but also on regrinding or replacement with a new rotor from after-sales. The expansions at the sites in Thailand and India are the consequence of the rapid growth in demand for high-quality support. This support is not just limited to the pure hardware. The service support linked to the process know-how built up over decades and Maag's technical solutions are important aspects that are greatly appreciated by customers.

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Photo: Maag rotor

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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 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 around the globe as a pioneer and technology leader in the development and manufacture of gear pumps and complete system solutions tailored to customer needs. The company has for decades been renowned for the quality and innovative technology of its pelletizing solutions. Gala Industries, as well as Reduction Engineering Scheer, recently joined the Maag family and extend the product portfolio with pulverizers and additional pelletizing systems.

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 1,000 staff. It is represented in the markets with its brands "Maag Pump & Filtration Systems", "Automatik Scheer Strand Pelletizers", "Gala Automatik Underwater Pelletizers" and "Reduction Pulverizing Systems". Maag, a Dover Corporation company (NYSE:DOV), is a business unit of Dover Fluids.