



Press Release

Maag at the Achema 2018:

Gear pumps, pelletizers, dryers and filters for the chemical and plastics processing industry – and now also for the pharmaceuticals industry

Oberglatt, Switzerland, 8 May 2018 – At the Achema 2018 that takes place June 11-15 in Frankfurt (Germany), Maag will be presenting new and further developments from its extensive portfolio of gear pumps, pelletizers, dryers and filters for a broad range of applications in the chemical and plastics processing industry on its booth C38 in Hall 8. For the first time, the company will also be showing systems for the pharmaceuticals industry and food production at the fair.

Application-specific configuration of gear pumps

The cinox[®] und therminox[®] gear pumps that are universally employed in chemicals production are corrosion-resistant and heatable, and made of stainless steel. They offer extraordinarily high reliability over a wide range of viscosities, temperatures and pressures, even in combination with abrasive and corrosive media. New in the portfolio are the F types which, thanks to their modular design, can be particularly flexibly configured, and hence adapted even better to the needs of customers and processes. In addition, the modular principle also simplifies cleaning and maintenance work.

The Maag refinex[®] and refitherm[®] cast steel gear pumps are optimized for use in industrial plants and refineries where process pressures up to 350 bar and high temperatures are required, and for products with particularly high viscosities.

The proven hydrolub[®] gear pumps made from gray cast iron are suitable for a wide variety of industrial processes in which plants are required to function inconspicuously but reliably in continuous operation. Their helical gearing minimizes pulsations in oil applications.

mag drive is a pump drive with hermetically sealed, practically maintenance-free electromagnetic clutch in which the product chamber is completely separated from the environment by a containment shell. Powerful permanent magnets transmit the torque contact-free from the motor shaft to the pump shaft. mag drive is therefore suitable for the safe pumping of environmentally hazardous, toxic and foul-smelling substances.



Press Release

Pelletizing, drying, pumping and filtration in the plastics processing industry

PEARLO® is a new high-performance underwater pelletizing system from Maag for the production of spherical plastic pellets. It combines technologies from Gala and Automatik for especially efficient and flexible use in challenging applications with throughputs of up to 36,000 kg/h. Compact and modularly structured, it requires 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.

The newly developed, energy-efficient and space-saving CYCLO™ 420 centrifugal dryer is suitable for use in combination with the PEARLO® underwater pelletizing system and with the Maag M-USG and P-USG underwater strand pelletizing systems. In addition to its very small footprint, it is also characterized by good accessibility to its components, such as the central rotor, and hence by great ease of maintenance.

A growing number of gear pumps from Maag are available in an x⁶ class version optimized for particularly high pressures. In this version, the manufacturer has completely re-engineered and redesigned all the components, from the gear wheels and shafts through to the bearings and seals, and optimized the interaction of all the components. As the new performance standard in the conveying of plastic melts, x⁶ class stands for enhanced product quality, higher volumetric efficiency and a more uniform and more reliable production compared with earlier pump generations.

A further focal point of the Maag participation in the fair is on filtration systems for the plastics processing industry. The CSC-R is a continuous screen changer based on the proven Maag double-piston design. Its arched screens enable an active filtration area of up to 4 m² with correspondingly high throughputs and high filtration grades in a compact size. The CSC-C is designed as a continuous screen changer for filter cartridge elements with an active filtration area of up to 50 m² for higher throughputs. Even higher performance is offered by the large-area polymer filtration systems DUPLEX for continuous processes and SIMPLEX for batch applications, each with up to 160 m² active filtration area and 5 µm filter mesh size. Both versions are equipped with tube sheet and filter cartridge elements tailored to the polymer properties and filtration demands.



Press Release

Premiere for the Pharma & Food Systems product line

Maag is also presenting its systems for the safe, compliant and efficient production of pellets for pharmaceutical products and drugs, as well as for foods and food additives for the first time at the Achema. The innovations of the Pharma & Food Systems product line include the extrex 20-4 SP PFS stand alone gear pump and the PRIMO 30 PFS dry-cut strand pelletizing system.

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Photo: Maag cinox[®] gear pump



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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 Pelletizers“ and „Reduction Pulverizing Systems“.