**Maag Pump Systems Textron AG**
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Internet www.maag.com • ISO 9001 Certified Quality

# Press Release

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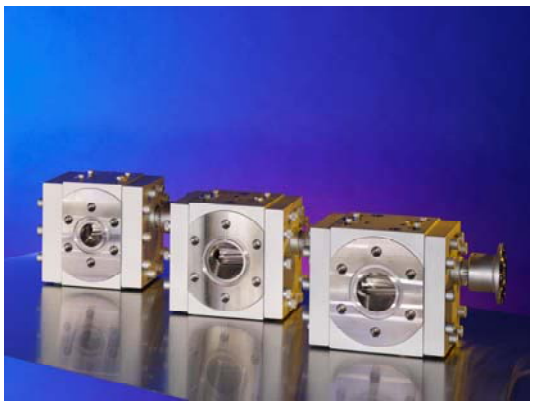
## Successful customers decided

The new family of extrex® gear pumps for polymer processing and also the screen changer CSC-CP for continuous constant pressure and processing cause a sensation



Maag Pump Systems Textron, part of Textron's Fluid and Power group, is the worldwide leading manufacturer of gear pumps and filtration systems for the polymer, extrusion, chemical, and petrochemical industries.

More than 15,000 extrusion pumps worldwide were built and delivered over the past 30 years under the extrex® brand name. Maag is now deliver a new line of extrusion gear pumps, the extrex® GP / HV / HP Generation-5.

Maag's rich experience, innovative approach, strong research processes and connection to the customer have fueled the development process for this new line of extrex® gear pumps. The company worked intimately with customers to engineer a new type of pump to address critical process applications. "We knew what types of improvements the customers wanted and so we worked closely with them to develop the new line," stated Thomas Roll, extrusion product manager, Maag Pump Systems Textron. "We couldn't be more excited with the outcome of the new extrex® line of products. The new extrex® 70-5 HV gear pump has a maximum $\Delta p$ of 200 bar and a 25% higher specific volume due to its wider gear design. The new extrex® gear pump is also available in models such as HP for $\Delta p$ up to 400 bar, RB for rubber processing, and the standard GP for regular extrusion process applications. Maag has added several new upgrades and features for the new gear pump such as, easy adaptation, optimum rheological design, and modular construction."

The extrex® Generation-5 enables an ideal adaptation of pressure and viscosity to a broad range

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of processing methods. This easy adaptation to a wider range of processing conditions is made possible by the introduction of additional standard sizes for gear shafts and bearing clearances. The use of a "dynamic simulation program", specially developed by Maag for this purpose, enables an optimum rheological design.

Together with the new pump generation the piston-type filtration system CSC-CP (constant pressure) was launched. The CSC-CP features the worlds first pressure and process constant piston-type filtration system. This innovation is based on the proven and cost efficient piston screen changer technology of Maags CSC-filtration systems.

“With this innovation our customers now have the possibility to operate existing and new piston-type filtration systems with constant pressure. We offer to upgrade existing filtration systems at a low investment cost level. The constant pressure is achieved through the use of a rheological optimized throttle element. For this purpose, the differential pressure is determined by measuring melt pressure upstream and downstream of the filtration unit. The differential pressure value as input to the control system is used to maintain the pressure constant. The throttle element incorporated in the filter compensates both the pressure rise upstream of the filter caused by the dirt accumulation, as well as pressure variations in the over all system caused by screen changer”, says Harald Pohl, Product Manager Filtration.

As all other products of the Maag filtration technology the new model CSC-CP is designed for all typical process ranges with respect to melt pressure, material viscosity and filtration fineness. With sizes of 30 – 450 mm screen diameter these system are available for all extrusion application throughputs.

Our sales representatives are available for more information or contact us through www.maag.com.