

Press Release

Innovation offensive in strand pelletizing

Oberglatt, Switzerland, October 16, 2019 – MAAG Group is presenting three new strand pelletizers. With the PRIMO 100E MAAG Group AUTOMATIK completes its product portfolio in the field of single-sided strand pelletizers for the compounding market and now also offers the possibility of efficiently processing highly filled products in lower throughput ranges. There is further growth in the Primo family - the PRIMO PLUS^{Flex} is the link between proven PRIMO^{Plus} technology and the cutting rotors of the Scheer product group.

Simple and fast cleaning, product areas with low deposits and short changeover times of the cutting and feeding tools characterize the E-machines of the PRIMO series. MAAG Group introduces the little brother of the PRIMO 200E, thus completing its product portfolio with a robust, one-sided dry-cut strand pelletizer for lower throughput ranges.

The PRIMO 100E is particularly suitable for compounding thermoplastics, functional or additive masterbatch production and the production of color concentrates up to a line throughput of 1,000 kg per hour. Like the Primo 200E, the 100E scores points with its unique cutting geometry with a flat entry angle and the shortest unguided length between the feed rollers and cutting unit. This geometry allows a straight-line guidance to the cutting tools and thus guarantees high cut quality for hard as well as very soft or brittle plastic strands.

In addition to the high-quality carbide cutting tools a separately driven, highly wear-resistant metal feed roller will also be available on the Primo 100E instead of the usual elastomer feed roller. The granule length can be easily changed during operation by means of a second optional drive – so called dual drive.

As a versatile all-rounder or as a specialist for very hard, abrasive or soft and flexible plastics, the dry-cut pelletizers of the PRIMO E series are a reliable partner in your compounding process.

Proven PRIMO^{Plus} technology meets Scheer cutting tools. Since their introduction on the market in 2001 PRIMO^{Plus} dry-cut strand pelletizers have been used in a wide variety of applications. Starting

at the granulation of base polymers and recycling products, processing of highly filled compounds ending with the pelletizing of high-performance polymers processed with different granule lengths from micro to LGF, the PRIMO^{Plus} is the first choice when it comes to demanding pelletizing processes.

In the Flex version the PRIMO^{Plus} is now available for the first time in combination with the 200mm cutting rotors known from the Scheer portfolio. Here too, the segmented rotor geometry is maintained, which brings benefits especially for larger machines due to the modular structure. Furthermore, customers with different strand pelletizers but now identical cutting tools can use synergies. The cutting rotor segments from the Scheer portfolio are interchangeable with the cutting tools of the PRIMO E series and now also compatible with the Flex version of the PRIMO^{Plus}. With the PRIMO PLUS^{Flex} our customers receive all advantages of a solid strand pelletizer which has been continuously developed since the market launch, with the full option package from Automatik Pelletizing Systems. This means granulation at the highest level, maximum flexibility and compatibility with your core component portfolio.

The PRIMO FC is a concept strand pelletizer of the MAAG Group. Interviews with customers have always led to three points: easy to clean, easy and quick to maintain, less loud - we have responded to these requests. In addition, the strand pelletizer has further new incorporated features, namely the adjustment and readability of the cutting gap size from the outside, a cutting head housing swiveling in 3 axes and a smart condition monitoring of the machine.


Due to the very good experience with the PRIMO^{Plus} cutting geometry we kept these, which also guarantees the interchangeability of the central components of the cutting unit. A change of the core components could be greatly simplified. The replacement of the cutting rotor takes just as long as an exchange of the complete feed unit, we speak of a maximum of 30 minutes. By means of axial disassembly through the cutting head side wall, the core components can be lifted vertically out of the machine.

The bottom of the cutting head and the granule outlet are easily accessible by a lateral pivoting of the complete pelletizer housing. The granule outlet is simply inserted without additional fixations - an exchange is done without tools in 2 minutes. Furthermore, the cutting chamber flap can be opened in the strand axis which also includes the strand inlet. This means that in case of blockage

of the infeed unit by strands, the complete cutting head can still be opened and the material jam can be removed quickly.

The cutting rotor is powered by a strong direct drive which can handle a wide range of products such as micro-pellets or LGF granules without an additional gearbox.

Although the Primo FC concept has yet to be proven in the market, it shows that we have the opportunity and the drive to work together and break new ground, because today's innovations are the standard of tomorrow.

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Bilder		Strand pelletizer PRIMO FC 200

CONTACT: Iris Fischer
iris.fischer@MAAG.com
+41 44 278 8349

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.