



New injection unit for ENGEL machines

Cooperation ENGEL – LWB Steinl

Schwertberg/Austria – April 2010. A new technology has entered the world of ENGEL injection moulding machines for elastomer processing. The patented EF-E injection unit series by German elastomer machine builders LWB Steinl is now optionally available for ENGEL machines for immediately delivery. Your benefits: Up to 50 percent heating time reduction and improved ergonomics due to the lower operating height.

The new EF-E injection unit by LWB Steinl is based on a FIFO injection system mounted horizontally above the pressure platen in combination with an additional ALL-OUT technology piston injection unit. To round off the ENGEL elastomer processing product programme, customers can now deploy this technology on the ENGEL elast injection machine series in the scope of a cooperation agreement with LWB.

Up to 50 percent heating time reduction

The main benefit offered by this new injection unit technology is gained in the use of hot runner moulds. The rapid cure element between the horizontal FIFO unit and the vertical ejection unit increases the temperature of the molten material by means of dissipation. This allows for more homogeneous temperature distribution in the molten material, thus increasing the temperature in the centre of the material flow rather than just at its edges. Thanks to the patented ALL-OUT technology, all of the material is ejected out of the vertical injection cylinder. This means that the molten material is injected into the mould at a higher temperature. This in turn allows for substantially reduced vulcanisation times. The use of the rapid cure element means heating time reductions of up to 50 percent in combination with hot runner moulds.

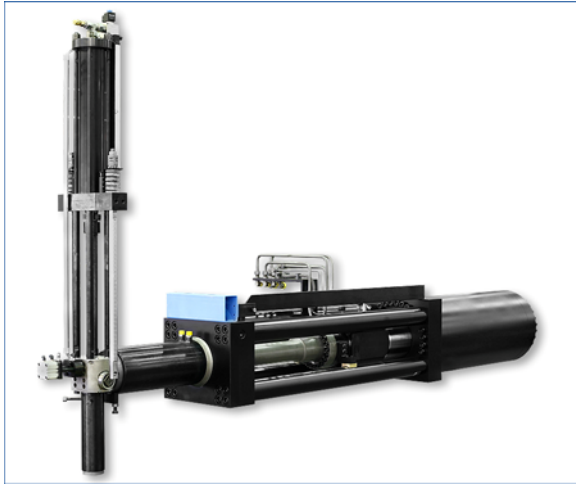


Fig.: The patented EF-E injection unit series by German elastomer machine builders LWB Steini is now optionally available for ENGEL machines for immediately delivery.

ENGEL AUSTRIA GmbH

The ENGEL brand denotes the world's biggest manufacturer of injection moulding machines and, at the same time, one of the world's leading plastics processing machine manufacturers. Today, the ENGEL Group offers a full range of technology modules for plastics processing as a single source supplier: Injection moulding machines for thermoplastics and elastomers, and automation, with the assurance that individual components are also competitive and successful in the world markets. With eight production plants in Europe, North America and Asia (China, Korea) as well as subsidiaries and representatives in over 85 countries, ENGEL offers its customers the optimal global support they need to compete and succeed with new technologies and leading-edge production systems.

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