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PRESS INFORMATION

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Major expansion of process technology in the application development centre

The demands made on a material supplier's application development centre by customers include not only new polymers, but also innovative and economic processing methods. In order to maintain the latest state-of-the-art at the production site at Domat/Ems (Switzerland) in future as well, over the past two years, focussed investments have been made in new equipment for the manufacture of multi-layer components

Integration of function and design plays an increasingly important role in product development of polymer components today. This often requires use of several materials. In addition, increasing cost pressure demands a reduction in assembly and jointing processes. Special processes in injection-moulding, such as multi-component processes provide an inexpensive complete system solution.

The term "multi-component injection-moulding" includes laminate and sandwich moulding processes. Laminate moulding is the injection of a soft or hard polymer material onto or around an already cured base component. Sandwich moulding allows the manufacture of multi-layer shaped parts with surface and core components.

Wide range of suitable materials

EMS-GRIVORY offers a wide range of materials in all polyamide product families, which are suitable for laminating with polyamides, thermoplastic elastomers, such as e.g. TPE-S, TPE-V, TPE-U and also silicon. In order to economically test the suitability of these material combinations for the various methods, an injection-moulding machine with two injection units is required. Early in 2019, a new, fully electric two-component injection-moulding machine was taken into operation. The unit is technically equipped in such a way that customer moulds can also be sampled.

New multi-layer film machine

A multi-layer cast film line, installed at the end of 2017, makes it possible to test new material combinations for packaging films and in particular, to provide support to customers in the development and implementation of applications using technical films. The line is technically equipped so that it can be used for both the

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The new two-component injection-moulding equipment in the EMS-GRIVORY application development centre.



The new multi-layer film machine in the EMS-GRIVORY application development centre.



The new multi-layer pipe machine in the EMS-GRIVORY application development centre.



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