

ITALIAN PLASTICS & RUBBER PROCESSING MACHINERY INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

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UCIMU-SISTEMI PER PRODURRE



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HOT RUNNER SYSTEMS UNDER THE BANNER OF SUSTAINABILITY

INGLASS-OERLIKON HRSflow is focusing on hot runner systems that enable greater sustainability and efficiency in thermoplastic injection moulding, especially for automotive and packaging applications. System-typical advantages include short cycle times, fast colour changes, high production volumes, high moulded part quality and a very good suitability also for sustainable polymers.

A new stack mould, which has been developed for time, material and energy-saving injection moulding of thin-walled, ecologically optimised packaging, could become a best-seller.



The new patent-pending solution is equipped with nozzles of the new Xd series from INGLASS-OERLIKON HRSflow and thus enables high filling pressures for cost-efficient production with continuously high quality. The stack principle supports the use of smaller injection moulding machines. Thanks to a plug-and-play installation, assembly and maintenance are simplified and highly efficient, avoiding long and costly downtime. The new solution is also suitable for processing PCR plastics and sustainable compounds in line with the requirements of the circular economy.

The expertise and knowhow of INGLASS-OERLIKON HRSflow in the field of caps and closures is highlighted by the multi-cavity system designed for the simultaneous high productivity production of 72 caps. Thanks to the new Vf nozzle series, it enables very short cycle times of 2.2 to 3.5 seconds while at the same time ensuring maximum process reliability thanks to excellent control and optimum balancing of the filling process. This technical solution, which is equally suitable for carbonated and non-carbonated beverages as well as for liquid and powdered concentrates, meets all the requirements of the new European single-use plastic directive, which makes tethered closures mandatory for all beverage containers up to three litres in capacity.

Specially developed for HDPE caps and closures, the Vf nozzles of the new multicavity line from INGLASS-OERLIKON HRSflow are suitable for part weights from 0.5 g to 8 g. In any case, they stand for reliably consistent product qualities, fast colour changes and system restarts. A special nozzle tip enables optimum control in the gate area and improves cycle time. The separate replaceability of the nozzle tip makes maintenance particularly fast and cost-effective. Rheologically optimized hot runner geometries ensure significantly increased reactivity and thus effectiveness of the system. Special inserts minimize the time required for colour changes while keeping reject rates low, which contributes to the sustainability of production even with particularly critical colours.

www.oerlikon.com/hrsflow

The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

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