

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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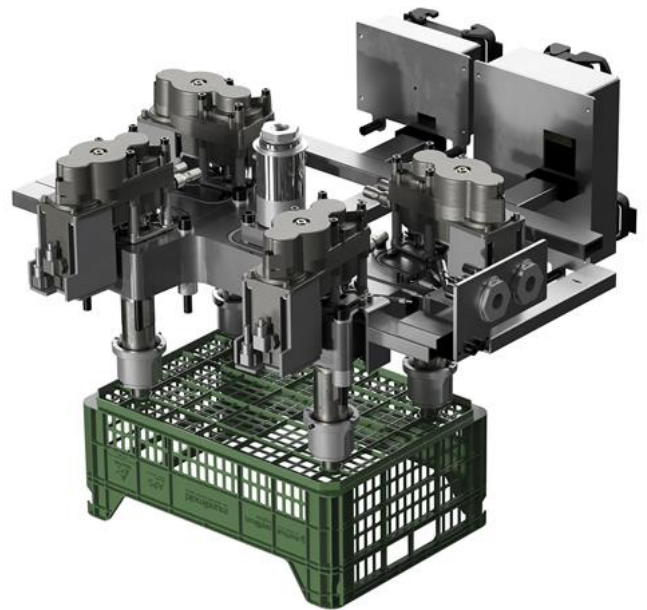
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OPTIMIZED HOT RUNNER SYSTEMS

Oerlikon HRSflow INGLASS has developed special hot runner solutions for PCR compounds. Their application possibilities are demonstrated by two examples realized in practice - a fruit crate and a garbage can for composting organic household waste. With these environmentally friendly projects, which were implemented together with various partners, the company underlines its commitment to the circular economy.

For the production of the fruit crates, Mundimold processes an optimized PE compound from APS, Valencia (Spain), which is obtained from the recycling of Tetra Pak card-board packaging. In the production of this demanding part, which was demonstrated at K 2022 on a servo-hydraulic Haitian Jupiter with two-platen technology and 4,500 kN clamping force, a servo-controlled Flexflow valve gate hot runner system with four drops contributes to the high repeatability of the process. Optimum gate quality is ensured by the new, patent pending TTC cooling bushing from Oerlikon HRSflow, which prevents needle sticking even with short cycle times. The low energy consumption of the Flexflow system supports energy-efficient production.



Another example is the Bokashi Organko Essential, an airtight sealable bucket for home composting. The 775 g part with 2.5 mm wall thickness is produced of PCR polymers using an Oerlikon HRSflow two-drops hot runner system. This is optimized for frequent color changes and designed so that remaining decontaminations in the recyclate do not cause damage, streaks or flow marks that could affect the aesthetic and functional result of the product realized by Plastika Skaza.

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:

Contact information of Piattaforma India desk:

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