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PRESS RELEASE

## **Reifenhäuser Blown Film provides technical solution to one of the biggest challenges in the processing of recycle**

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The line manufacturer Reifenhäuser Blown Film presents at K 2022 a technology that makes blown film producers independent of highly fluctuating recycle qualities and ensures a stable production process - even when processing low-quality input material: EVO Fusion upgrades recycle qualities.

With EVO Fusion, blown film producers also process previously unusable, lowest-quality recycles into high-performance blown films for simple end-uses, such as trash bags or mailing bags. Until now, such low-grade recycles could only be used for simple and thick-walled injection-molded products. In addition, producers can make higher-quality film from recycles that could also be processed in the past.

Eugen Friedel, Director Sales at Reifenhäuser Blown Film, explains, "In order to drive the circular economy, recycle rates in blown film products must increase and classic downcycling must be limited. With EVO Fusion, we offer a unique process that enables customers to process even low recycle grades easily and economically into high-performance products and increase the recycle content. In this way, processors open up new fields of application for recycled products."

The EVO Fusion process relies on direct extrusion, which eliminates the need for energy- and cost-intensive regranulation of the raw material. This means that fluff (film shreds) and all types of production waste and PCR material can also be processed directly.

This is made possible by the twin-screw technology, which homogenizes the melt better and thus ensures a stable process. In addition, processors can degas the system very easily and effectively, removing unwanted components in the recyclate.

For processing better quality regranulates, Reifenhäuser recommends the EVO Ultra single-screw extruder. Thanks to optimized barrier as well as shear and mixing parts, this extruder processes recycled material as reliably and naturally as other raw materials - the ideal prerequisite for success in the growing market for products with a high recycled content.

#### **EVO Fusion at K 22:**

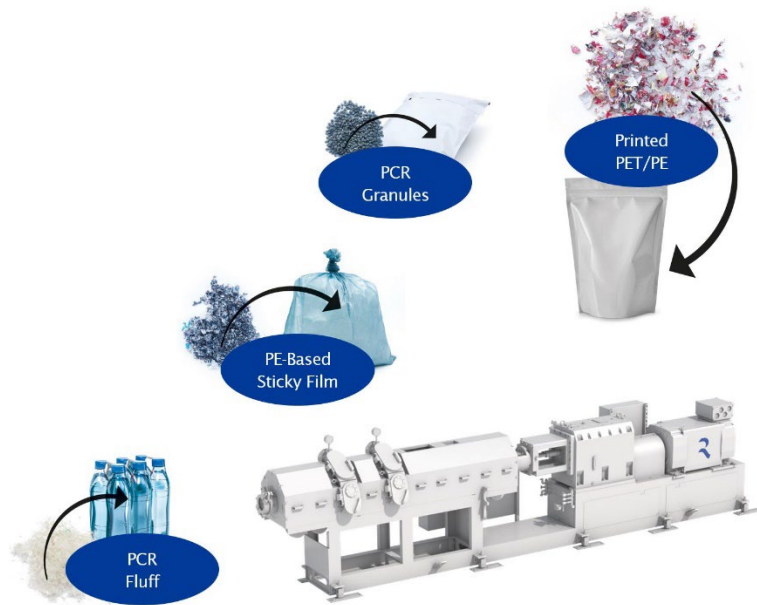
REIFENHÄUSER MAIN BOOTH: **Hall 17 / C 22**

#### **More information about recyclate processing:**

**<https://reifenhauser.com/en/company/media/news-and-stories/success-story/processing-recyclate-in-extrusion-lines>**

#### **About the Reifenhäuser Group**

The Reifenhäuser Group is the leading provider of innovative technologies and components for plastics extrusion. Founded in 1911, the company supplies high-technology solutions all over the world. With its technologies and the know-how of its 1,750 employees, Reifenhäuser has the world's largest network of expertise in plastics extrusion technologies. The CEO of the Group is Bernd Reifenhäuser.



Thanks to the twin screw and degassing unit, the EVO Ultra Twin extruder can also safely process low-quality recyclate. The system can be degassed very easily and effectively to remove unwanted components in the recyclate.



With EVO Fusion, even fluff (film snippets) and all kinds of production waste and PCR material can be directly processed into functional films for applications such as trash bags or mailing bags.

Pictures: Reifenhäuser