

## Plastics recycling: Together even better

PreZero joins recycling live demonstration with partner companies Baerlocher, EREMA and Milliken at K 2022

**Neckarsulm/Haimburg, 23. September 2022.** Under the motto "#PreThink - Shaping a circular future", PreZero will be presenting itself from October 19–26 at K 2022 in Düsseldorf, the world's leading trade fair for the plastics and rubber industry. A highlight of the trade fair appearance is the live recycling planned with partner companies EREMA, Baerlocher, and Milliken, where different recyclates are impressively produced and processed into new products. High-density polyethylene (HDPE) and polypropylene (PP) from PreZero will be jointly produced on site from previously sorted, washed and shredded post-consumer material.

Only through combination of recycling extrusion equipment and additivation PreZero can guarantee the unique quality of its recyclate for demanding, customized applications. "We are therefore pleased to use this event to give visitors an understanding of how our recyclate is produced together with our partners. In this way, everyone can experience for themselves that modern recyclate is in no way inferior to virgin plastics in many applications - neither in odor nor in technical characteristics. This only works thanks to the cooperation with our reliable partners, who support us in getting even more out of the recyclable material," explains Thomas Eck, CTO at PreZero Polymers.

The material will be regranulated at the trade fair using machines from the Austrian company EREMA (Hall 9/C09), who hosts the live recycling at the Circonomic Centre at the outdoor area (FG CE03). The world market leader is active in the development and production of plastics recycling machines and system components and will be demonstrating its patented INTAREMA® TVEplus® RegrindPro extrusion system at the trade fair. This achieves good results even with materials that are difficult to recycle, such as heavily printed, odor-intensive or moist input.

### High-density polyethylene (HDPE)

The HDPE regrind is upgraded with Baerlocher's Baeropol T-Blend additive (Hall 5/A21), which, in addition to ensuring processing performance and improving mechanical properties, has the convenient feature of being provided as a dust-free pastille. The German-based additives manufacturer is one of the world's leading suppliers of additives.

### Polypropylene (PP)

The PP regrind provided is improved with the Hyperform HPN additive from the US company Milliken (Hall 06/6A27). The addition of the additive improves the physical properties of the regrind and shortens the cycle time required for processing. In addition to this, it provides better control and stability during subsequent injection molding.

The live demonstration of the HDPE plastic will take place on Wednesday, October 19, and Monday, October 24, from 10:00 a.m. to 1:30 p.m. each day at the EREMA Circonomic Centre in the outdoor

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area of Messe Düsseldorf. The PP plastic will be manufactured on Friday, October 21, from 2:30 p.m. to 5:30 p.m. The products made as part of the project will be exhibited in the Circonomic Centre, where many other exhibits made from recycle will also be on display.

You can find more information about PreZero in our [press portal](#). For information on our trade show appearance, please visit our website at [www.circularfuture.de/en/](http://www.circularfuture.de/en/).

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**Caption:** Thanks to many partners, PreZero is able to produce recycles for a wide range of applications.

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