



**Starlinger**

## **Press information**

### **Starlinger – odour reduction technology**

With the EU's circular economy package setting higher recycling targets, odour reduction is definitely a hot topic, as it greatly improves the quality of the recycled pellets. "Customers continue to schedule a lot of test runs at our technical centre", says Christian Lovranich, Head of Process Engineering at Starlinger recycling technology. "A popular application is HDPE bottles for detergents or personal care products such as shampoo that still smell of the scented liquids that they were filled with. The goal is to accomplish bottle-to-bottle recycling also in this area – to recycle these bottles and reuse the recycled pellets in the production of new detergent bottles. Another product that requires odour reduction is LDPE post-consumer film, either from agriculture or from household waste. Agricultural film may develop a musty smell during recycling, whereas pellets created from household waste tend to develop a distinct smell due to paper residues from labels."

Starlinger's odour reduction technology tackles this problem through eliminating the substances causing the smell. This is important because otherwise, they get trapped in the final pellet and may reappear later when they are used in the production of new products. Starlinger's customary setup is a recoSTAR dynamic recycling line with a C-VAC module for highest degassing demands, which in combination with melt filtration already eliminates most of the substances causing the smell, and whatever is left is removed by the smell extraction unit. Starlinger presented this technology at K show in 2016, and it has proved a highly efficient solution that performs well in a variety of applications, even though customer-specific adaptations may be necessary – this is determined during test runs with the customer's material. "Circular economy means that we must find ways to reuse recycled pellets for the same product – thereby preventing the unnecessary wastage of primary resources," adds Lovranich.

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### **About Starlinger recycling technology**

Starlinger recycling technology is a division of Austrian-based Starlinger & Co. GmbH, world market leader in the field of machinery and complete lines for woven plastic packaging production. For more than 30 years Starlinger recycling technology has been providing machinery solutions for the recycling and refining of a wide scope of plastics such as PE, PP, PA, PS, BOPP and PET. Starlinger PET recycling systems produce food-safe rPET and are approved for use in food applications by many brand owners as well as various national and international authorities. The worldwide sales and service support network and technical consulting service help customers to achieve optimum results in the manufacturing process.



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