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Top recycling solution for injection moulding manufacturers

PURE LOOP presents shredder-extruder combination at FAKUMA

PURE LOOP, an EREMA Group company, will present its ISEC evo series at FAKUMA 2021. This shredder-extruder combination is rapidly becoming established as an efficient recycling solution in injection moulding production thanks to its high flexibility in processing different materials, simple operation and low maintenance requirements.

Ansfelden, 21 July - Anticipation is high in the lead up to one of the first major physical trade fairs since the Corona pandemic began. "FAKUMA is one of the most important trade fairs for injection moulding technologies. It is precisely for this segment of plastics production that our machines provide the perfect recycling solution. We are looking forward to again presenting face-to-face the advantages of our technology to our customers and everyone else who is interested", says Manfred Dobersberger, Managing Director of PURE LOOP GesmbH.

Re-injection instead of rejection

ISEC evo is a high-performance material all-rounder that has been specially designed for recycling different types and shapes of material, regardless of whether solid parts or hollow bodies, roll stock or punched waste or waste from injection moulding production such as sprues, sprue patties and regrind. This is made possible by the unique input technology that features a combination of a double feed ram system and single shaft shredder. The wide range of applications for this technology is confirmed by a look at the list of PURE LOOP customers. Among others, it includes suppliers to the automotive industry as well as a well-known German manufacturer of writing instruments. This company recycles PP injection moulding waste to make recycled pellets that are used to produce the black caps for one of its pen series. "These application examples show that the repelletising of production waste offers significant advantages in terms of the efficiency of the recycling process, the quality of the recycled pellets and, as a result, the refeeding quotas and costs compared to refeeding regrind material," explains Dobersberger.

In a series of tests carried out together with ENGEL, an injection moulding machine manufacturer, and Profol, a cast film manufacturer, PURE LOOP recently proved that recycled pellets produced

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from glass fibre reinforced organo sheets can be processed in the injection moulding process just as well as virgin material. "The excellent quality of the components produced during trials indicates that the processing of organo sheet offcuts has great potential for series applications in the automotive lightweight sector," says Dobersberger, who is convinced of this future-proof recycling solution's capabilities.

More information about the tests and PURE LOOP success stories: [Success Stories | Features | pureloop.at](#)

PURE LOOP is at FAKUMA in Hall 6/Stand A6-6314



Photo: The ISEC evo shredder-extruder combination is an efficient material all-rounder. Photo credit: PURE LOOP.

PURE LOOP

PURE LOOP, a subsidiary of EREMA Group GmbH, specialises in combined shredder-extruder technology for the highly efficient recycling of clean production waste. The headquarters are in Ansfelden/Linz. PURE LOOP recycling solutions are characterised by optimum adaptation to the existing scrap material logistics as well as the highest level of return of recycled pellets to the production process. Customers also benefit from the experience, technological know-how and innovative strength of the entire EREMA Group.

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