



## **Company founded with Herbold machines // Into the recycling future with Futurapet**

**It is the largest single-line recycling plant that Herbold Meckesheim has set up to date: In Düzce, Turkey, a PET washing plant designed for the Futurapet company and built last year has now gone into operation. Futurapet is a spin-off of the consumer goods corporation Engin Group and based in Istanbul. The agreement with Herbold Meckesheim to build the recycling line also marked the founding of Futurapet 2020.**

The Engin Group describes its spin-off for the recycling of plastic waste based on cutting-edge technology as “one of the important investments”. In accordance with the “sustainable future vision”, the return of the plastics to the commodity cycle is intended to prevent environmental damage and make a contribution to the national economy, the umbrella group points out. Oğuz Engin, General Manager of Futurapet and member of the Engin Group's Board of Directors, emphasizes, not without pride: “We already recycle six million PET bottles a day.”

The factory in Düzce, some 200 kilometers east of Istanbul, targets on a daily output of 90 tons, or put differently the equivalent of an annual production volume of over 30,000 tons of recyclate. In the short time of its existence, Futurapet has already established itself as a well-known producer of high-quality PET flakes, which are used for films as well as for bottle-to-bottle production.

The modularization of its plant concept with standardized assemblies enabled Herbold Meckesheim to implement the construction smoothly and quickly. Some modules were scaled up for Futurapet to achieve the required throughput. In addition, a step drying system was integrated into the hot washing process to increase quality. “The plant sets a new standard in recyclate quality, performance, yield and economic efficiency”, underlines Managing Director Werner Herbold.

**Familiarize themselves with the system and machine solutions for automated plants and recycling lines from Herbold Meckesheim can trade fair visitors to K 2022 at the machine manufacturer's booth B34 in Hall 9 from Wednesday, October 19, to Wednesday, October 26.**



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Herbold Meckesheim is leading recycling specialist for the plastics industry. Worldwide, the plants ensure that plastic waste is reduced through recycling. Both the pure waste from the plastics processing industry and used, mixed and contaminated plastics are processed. Machines from Herbold Meckesheim are also used in the fine grinding of plastic granulates and waste or in the waste processing, raw material recovery and material preparation of various industrial processes. Another special feature is the development of the machines in the company's own pilot plant. Herbold Meckesheim is today managed in the fourth generation by Karlheinz and Werner Herbold. More than 240 employees at the headquarters and the staff of the international agencies accompany machines that are custom-made to fit the requirements from the conception stage through commissioning to the end of their commercial use.

Figure 1: A centerpiece of the PET recycling plant is the hot washing step.

Photo: Futurapet/Herbold Meckesheim

Figure 2: Set-up of the assemblies for the Futurapet line.

Graphic: Herbold Meckesheim

Figure 3: Thanks to a high degree of automation, the line can be conveniently controlled.

Photo: Futurapet/Herbold Meckesheim