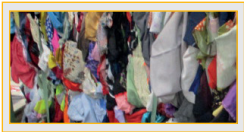


Textiles and Fiber Recycling – Herbold Meckesheim

Full-scale and custom-made mechanical recycling lines for post-industrial and post-consumer textile and fiber waste. On the thermoplastic side, like polyester and polyamide, the final product is a dry agglomerate with high bulk density and free-flowing characteristics, excellent for buffering, storing, dosing, mixing, and extrusion.

Input materials:



Textiles



Fibers/Monofilaments



Polyester/Polyamide/
Cotton Fiber Waste



Carpets



Advantages for Plant Operators:

- » Tailor-made systems for various throughputs and every kind of textile and fiber-based materials
- » Field-proven and fully automatic process with low personnel requirements
- » Agglomeration with minimal thermal impact
- » Wear protection package and high safety standards
- » Worldwide service network and engineering support
- » True-to-reality trial runs on an industrial scale at the Herbold and Coperion Technical Centers

All Additional Process Components and Turn-key Solutions from One Source:

- » Pulverizing by Herbold SMF Grinder or PU Pulverizer for pre-sorted textiles, pure textiles or fiber materials
- » Effortless particle size adjustment and further size reduction by granulators
- » Sophisticated washing process to remove contaminants
- » Intermediate buffer silos
- » Automatic exhaust air filtration system
- » Particle size classification by screening units or separation systems
- » Integration of optical or manual sorting stations
- » Further material handling, storing, and filling
- » Extrusion and compounding
- » Preparation for fiber and chemical recycling

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