



Textiles and Fiber Recycling
Herbold Meckesheim



Turn-key Recycling for Textile and Fiber Waste. Fully Automatic. Gentle. Efficient.

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.



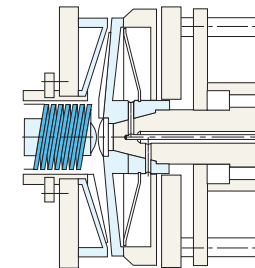
Advantages for Plant Operators

- Tailor-made systems for various throughputs and all kinds 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

Turn-key Process Solutions from One Source:

- Textile and fiber pulverization via Herbold SMF or PU
- Controlled particle size reduction via granulators
- Sophisticated washing process to remove contaminants
- Intermediate buffer silos
- Automatic exhaust air filtration system
- Particle classification via screening/separation
- Further material handling, storing, and filling
- Extrusion and compounding
- Preparation for fiber and chemical recycling

Agglomeration zone with rotor and stator discs:



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