

Application Portfolio recycling **technology**



Recycling Lines:



recoSTAR direct

- for the cost-effective processing of pre-ground materials with high bulk density (> 300 g/l) – production and post-industrial scrap from materials such as PE, PP, PS, PA and PLA.
- Five sizes available, output from 130 to 1200 kg/h; optional degassing, choice of melt filter and pelletizing units



Recycling Lines:



recoSTAR dynamic

- for high-value processing of films, fibres and thermoplastic inhouse production scrap and washed post-consumer waste, from materials such as PE, PP, PET, PES, PA, PLA, PS, PPS and foamed products.



- The most efficient solution for hygroscopic and wet materials.
- The SMART feeder optimally prepares the material prior to extrusion
- Six sizes available, for output of 150 up to 2.600 kg/h; optional degassing, choice of melt filter, pelletizing units



Recycling Lines:

recoSTAR universal

- for efficient processing of all different kinds of films, fibres, nonwovens, mono- and multifilaments, tapes, and fabrics, as well as solid lumps, start-up waste and injection moulding parts, from materials like PE, PP, PS, PA , PES, PET, PPS, PLA, and more.
- The recommended solution for hard-to-grind material and high automation.
- With ACTIVE shredder - ideal material preparation before the extrusion process
- Five machine sizes available; for output range of 150 – 1300 kg/h. Optional with degassing, high vacuum, backflushing filter and any one of three pelletising systems.



Recycling Lines:

recoSTAR PET

- recoSTAR PET for the in-house recycling of PET flakes from bottles, preforms and sheets; for the recycling of post-consumer bottle flakes after the washing process.

- The end product is melt-filtrated, uniform granulate and can be used for a wide range of applications.
- Five sizes available, output from 150 to 3600 kg/h; high-vacuum degassing, choice of melt filter and pelletizing units
- Optional inline crystallisation and SSP (iV+) for IV increase and decontamination



SSP Equipment:

recoSTAR SSP and viscoSTAR

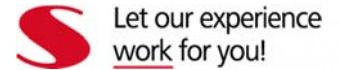
- Solid state polycondensation for PET and PES pellets from bottles and preforms, fibres, non-wovens, sheets, strapping, etc.
- Increase of IV, decontamination of post consumer material acc. to EFSA and FDA for direct food contact
- Brand owner approved
- Elimination of acetaldehyde, glycol and other VOC



visco**tec**  recycling technology



Standard Sacks - fabric for FIBCs



Fabric for Big Bags/FIBC

Container bags for filling weights up to 2500 kg, with one-, two- or four-point suspension, also with filling and discharge spouts
Practical and cost-effective handling of rubble, gravel, sand, coal, chemicals, food products in bulk, metal parts, scrap metal, etc.

rPET FIBC

FIBCs made of PET tape fabric have superior dimensional stability and consequently maintain shape and circumference even during long storage periods and in hot weather.

**The eco-friendly option:
endlessly recyclable, reduction of CO₂ footprint**

"bottle-to-bag" recycling possible



Miscellaneous customer products



Customer products recycling **technology**



- High-quality regranulate from PE, PP, PET, PS, PA, PC, PLA, PMMA, and other materials
- Odor reduction



Film



PET flakes



fiber/non-wovens



woven bags



specialities