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# MIXING AND DOSING SYSTEM FOR PLASTIC SCRAPS





Our long experience in various sectors of textile industries let us built multifunctional and complex machinery. In the very last years this quality has been succesful and allowed us to expand in many different sectors and markets.

**A great important experience has been the development of an innovative plant for the recovery of non-textile products as industrial plastics.**

This experience induced us to re-draw and completly re-projecting machinery traditionally used for the fiber mixing in order to fit them in the mixing and dosing process of plastic clippings.

The usage of blending and dosing box to add waste products from extrusion lines of poliesterre cips powder (PET) has been a great discovery process to obtain considerable energy savings.

This technology has been developed in cooperation with manufactures of equipment traditionally used in the extrusion and the results were excellent.



Traditional system provided a premelting of the shredded product in order to store it in vertical silos. Our application instead allows to avoid this step of heating and fusion because our storage boxes allow to standardize the product, store it and take it automatically with a dosing system that blends different types of products in order to send them to the extrusion line.

**Recovery of plastic products field is constantly growing because both, the cost of the raw material (oil) and the waste disposal problem, are stimulant factors that induce to invest money in that field.**

Usage of our dosing plants also helps the recovery of unappetizing waste because the precision of dosage allows to introduce also low percentage or even well determinate that guarantee a constant quality of the product.



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Setting system is very performing and allows to feed an extrusion line with more than **2.000 Kg/h** of regenerate products. Is handled automatically leaving to the operator the task to put the raw material on the conveyor stacker, from where the cycle do not need any manual intervention up to the storage of pallets of finished cips.

**Types of recyclable materials are very varied and include:**

- Plastic films for food packaging;
- Various kind of ropes;
- Mooring lines;
- Cutted box packaging;
- PET bottles in different sizes;
- Edges and waste from the production of fabrics, nonwoven composites;
- Flat woven raffia bags, big bags;
- Various types of plastic bag;
- Fishing mesh.

