



System flexibility

Normally the waste have different size, water content, density and composition variable so the PES agglomerator has been projected to handle this difference automatically in the best way.

The control system, based on the PLC logic, continuously checks the most important parameters as current and temperature on the plate of the machine and then arranges the working process automatically.

Input material

Wet plastic material from washing plants like:

- Packaging thin film
- Film from agriculture

Products

Granule of film

ADVANCED SOLUTION

FOR FILM RECYCLING

IN LINE AGGLOMERATION AND PELLETIZING

The innovative Promeco Pelletizer machine is made by the combination of Promeco Extruder System agglomerator and a traditional single screw extruder.

This solution is suitable for the pelletizing of wet plastic like packing and agricultural film coming from washing plants.

Promeco agglomerator dries and pre-melts the plastic material that directly feeds the single screw extruder. The double vent system on the pelletizer grants the residual moisture removal from the product that is ground, subject to filtration.



Capacity

The treatment capacity depends mainly on the characteristics of the input plastics and on the required density of the product. Maximum capacity: 1.500 kg/h.

Advantages of the treatment with PES agglomerator and pelletizer

- Capability to treat materials up to 20% moisture
- Triple vent systems, one on the agglomerator and two on the pelletizer
- 60 mm max dimension of the material to be processed
- Output increase
- Less energy consumption
- Small overall dimension due to the line compactedness
- Elimination of the intermediated machinery between agglomerator and pelletizer, such as belt, grinder, transports, storage, pressure feeding.