

HERBOLD Pre-wash drum

One of the greatest problems recycling plants face is very dirty plastic waste, e.g. pre-shredded agricultural films or post-consumer bottles. These types of material cause heavy wear and frequent machinery breakdowns due to the excessive contamination and impede plants from running at maximum capacity.

One option customers have to combat this is to install one of our pre-wash drums. The pre-wash drum works by passing the material through a rotating cylinder where the material gets wet to wash off some of the surface dirt. The cylinder is either partly or completely sieved to let the dirty water run off. It is fitted with baffles which help turn the waste as it is washed.

The pre-washing drum is suitable for nearly all plastic waste containing coarse pieces, large pieces of film must be pre-cut. The use of a guillotine is preferred because it does not generate fines that would be lost in the screen drum. Even larger containers or bottles filled with sand should be pre-shred with a single- or multiple shaft shredder.

Our pre-wash drum is able to average approximately 8 t/h, suitable for pre-treatment at the entrance of the plastic washing facility. The subsequent steps of removing contamination, wet shredding, washing, separation, and drying are improved by removing contamination up front.



Fig. 1: Pre-wash drum

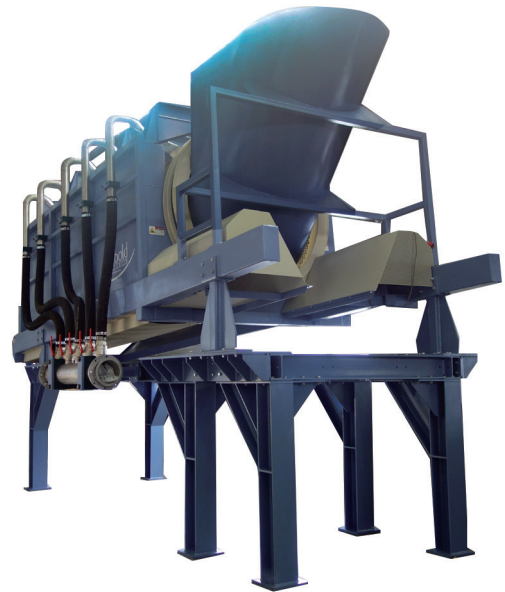
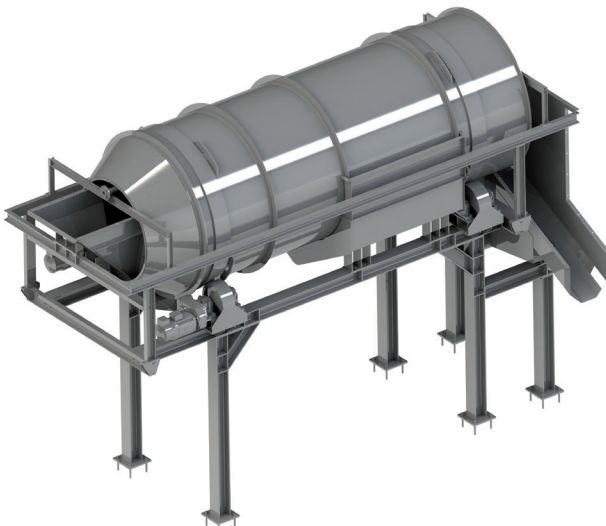


Fig. 2: Pre-wash drum



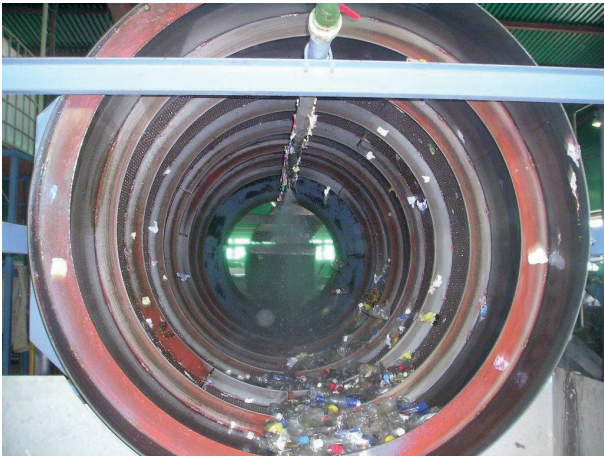


Fig. 3: PET wash drum



Fig. 4: PET wash drum with upstream feeding screw



Fig. 5: Agricultural film wash drum with feeding screw

Our Product Range

Size Reduction

- › Shredder
- › Granulators
- › Pulverizing Systems

Washing / Separation Systems & Components

- › Pre-washing Units
- › Friction Washers
- › Separation Tanks and Hydrocyclones
- › Mechanical and Thermal Drying
- › Water Processing

Agglomeration

- › Plastcompactors

Service

- › Parts and Overhauls
- › Inspections and Trouble Shooting
- › Upgrades and Performance Service

Herbold Meckesheim GmbH • Fon: + 49 6226 932-0 • Mail: herbold@herbold.com • Web: www.herbold.com

Herbold Meckesheim USA • Fon: + 1 401 597 5500 • +1 888 612 RRSI (7774) • Mail: info@herboldusa.com • Web: www.herboldusa.com

Specifications are not binding and subject to change without notice. 10 / 2019