

# Use of Plastic Washing Line and Pe Film Washing Line

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## Features of Plastic Washing Line

A plastic washing line, also known as waste plastic cleaning equipment, is suitable for the solid waste recycling industry and is a largely complete set of equipment. Key features include:

1. Shredding, cleaning and magazine removal of plastic products;
2. Crushing, dehydration, drying and bagging of plastic products.

It is mainly suitable for the recycling of various solid waste plastics with economic value such as pe film, plastic bottles and other plastics.

Plastic bottles and plastic films are widely used, which brings convenience to our lives. Waste plastic products can be recycled and processed again to obtain new raw materials and reused, which solves the problem that plastics are difficult to degrade naturally and cause pollution to the soil and the environment. Problem.

## The Difference Between Plastic Bottle Washing Line and Pe Film Washing Line

There are certain differences in the process of processing waste plastic bottles and processing pe film. The processing of plastic bottles is usually called plastic bottle washing line, plastic crushing washing line, waste HDPE/PET bottle washing line, etc.;

There are waste pe film washing lines; waste PP has a woven bag washing line, ton bag crushing washing line, etc.

## The Workflow of Pe Film Washing Line

Workflow of waste pe film washing line: pe film enters conveyor belt ? uniform feeding ? shredder with water to shred pe film, and pre-washing at the same time ? screw washing machine ? conveying and cleaning ? pre-washing machine ? removing sediment and possible Existing foreign objects such as pebbles ? screw cleaning machine (transport and cleaning) ? rinse sedimentation tank (clean materials, remove sediment and impurities) ? crusher (pulverize and clean with water) ? screw cleaning machine (transport and clean) ? Horizontal friction cleaning machine (cleaning materials, removing sediment and impurities) ? rinsing the sedimentation tank to further clean materials and removing impurities ? horizontal friction cleaning machine (cleaning materials, removing sediment and impurities) ? centrifugal dehydrator (material dehydration) ? Hot air drying system (further drying) ? bagging system ? control electric box.



### **Waste Hdpe Bottle Recycling Washing Line Process:**

Break up the compacted and packaged PET bottles ? disc sorting machine (remove stones, small pieces of metal and falling bottle caps that may be contained) ? manual selection platform (manually select HDPE bottles of unwanted colours) ? metal detector (Detect the metal that may be contained in the material) ? Shredder (with water to break the HDPE bottle) ? Pre-washer (remove part of the sediment and the remaining liquid in the bottle, rub and rub the label to make it fall off) ? Rinse the sedimentation tank (cleaning Bottle flakes, remove part of the sediment and impurities, protect the cutter of the pulverizer) ? crusher (with water to crush HDPE bottle flakes) ? screw washing machine (transport and clean) ? rinse sedimentation tank (clean the bottle flakes, remove part of the sediment and impurities) ? centrifugal dehydrator (cleaning and drying HDPE bottle flakes) ? de-labelling system (removing possible remaining labels) ? bagging system ? control electric box.

### **Waste PP Woven Bag Recycling Washing Line Process:**

The PP woven bag enters the conveyor belt (uniform feeding) ? shredder (with water to shred into bundles or loosely woven bags, and pre-wash at the same time) ? spiral cleaner (convey and clean) ? , pre-wash machine (remove part of the sediment and foreign objects such as small stones that may exist) ? spiral cleaning machine (transport and cleaning) ? rinse sedimentation tank (clean material, remove sediment and impurities) ? horizontal friction cleaning machine (high-speed scrubbing material) ? rinse sedimentation tank (cleaning materials, remove sediment and impurities) ? horizontal friction cleaning machine (clean materials, remove sediment and impurities) ? squeeze dryer and feeding system (squeeze materials) ? hot air drying system (further drying materials) ? bagging System ? Control Electric Box.

### **Waste Pet Bottle Recycling Washing Line Process:**

Disperse the compacted and packaged PET bottles ? disc sorting machine (remove stones, small pieces of metal and peeled bottle caps that may be contained) ? manual selection platform (optional, manually select PET bottles of unwanted colors) ? Metal detector (detects the metal that may be contained in the material) ? pre-washer (removes part of the sediment and the remaining liquid in the bottle, rubs and rubs the label to make it fall off) ? crusher (including feeding device, with water to crush PET bottles) ? Spiral washer (conveying and cleaning) ? Crusher (with water to further crush PET bottle flakes to smaller size) ? Spiral washer (conveying and cleaning) ? Centrifugal dehydrator (cleaning and drying PET bottle flakes) ? Z type Sorting system (remove some labels) ? high

temperature cooking pot (clean PET bottles at high temperature, clean the oil and glue of bottle flakes) ? rinse sedimentation tank (determine the number of equipment according to production requirements, remove bottle caps and labels, clean PET bottle flakes) ? Centrifugal dehydrator (cleaning and drying PET bottle flakes) ? Z-type sorting system (removing possible remaining labels) ? bagging system ? control electric box.

The above are various plastic bottles and pe film crushing, Washing and recycling processes and procedures, which can be customized according to the output and actual needs to meet the output needs of customers. After testing and acceptance in the factory, we assist customers in transportation, go to the customer site to install and debug various products, and train customers to use various equipment and maintenance work at the same time.

Packer is a manufacturer of solid waste recycling equipment, Plastic Washing Line and pe film washing line, specializing in providing reliable solid waste recycling machinery and equipment and equipment maintenance solutions for practitioners in the solid waste recycling industry.