

Plastic Washing System

Our system solutions cover a wide range of recycling applications.
Genox specialize in providing customized designs for your specific recycling projects.



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Plastic Washing System

Features

The PE/PP Film system is designed for washing plastic films with contamination levels exceeding 80% Minimizing the recycling water flow rate and evaporation losses.

- 1 Pre-shredding and pre-washing system removes a large percentage of abrasive materials (sand, grit etc.) to protect the rest of the system.
- 2 Under water force-washing paddles in our washing tanks maximize the washing efficiency.
- 3 High speed washing system optimized according to the specific material type liberates and separates contamination from film flakes.

- 4 Mechanical (centrifugal and squeezing) systems control the moisture content of the finished product at < 5% moisture the material is suitable for high quality pelletizing. Intelligent system automation ensures that components actions are sequenced and monitored.

Applications

- Agricultural films
- Recovered films from MSW or MRF's
- Films recovered from Landfills
- Post-industrial or post-consumer films
- Big bags (Raffia)



Film Press

Float-Sink Washing Tank



Centrifugal Dryer



Inclined Friction Washer



Pre-Washer



Pre-washer		
Model	GRD6025	GRD8025
Dimension (L x W x H) (mm)	3020 × 4060 × 2400	3600 × 4160 × 2400
Rotation Speed (RPM)	760	760
Rotation Diameter (mm)	555	755
Moter Power (kw)	45	55
Weight (kg)	4330	5600

Inclined Friction Washer	
Model	GFW5030
Dimension (L x W x H) (mm)	2985×1065×3700
Speed (RPM)	980
Rotation Diameter (mm)	500
Moter Power (kw)	18.5
Weight (kg)	1450

Centrifugal Dryer		
Model	GSW650R	GSW800R
Dimension (L x W x H) (mm)	3420 × 1415 × 1825	3860 × 1535 × 2045
Rotation Speed (RPM)	1450	1450
Rotation Diameter (mm)	650	800
Moter Power (kw)	55	90
Weight (kg)	2600	4500

Float-Sink Washing Tank			
Model	GSF1260M	GSF1580M	GSF1880M
Dimension (L x W x H) (mm)	7790 × 5170 × 3640	8640 × 5170 × 3640	8640 × 5170 × 3640
Tank Width(mm)	1200	1500	1800
Number of Rollers (PCS)	5	6	6
Moter Power (kw)	4.6	6.3	6.3
Weight (kg)	4060	4930	5750

Film Press	
Model	GXJ400
Dimension (L x W x H) (mm)	3430 × 1470 × 2055
Rotation Speed (RPM)	49
Rotation Diameter (mm)	360
Moter Power (kw)	55
Weight (kg)	5630