

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



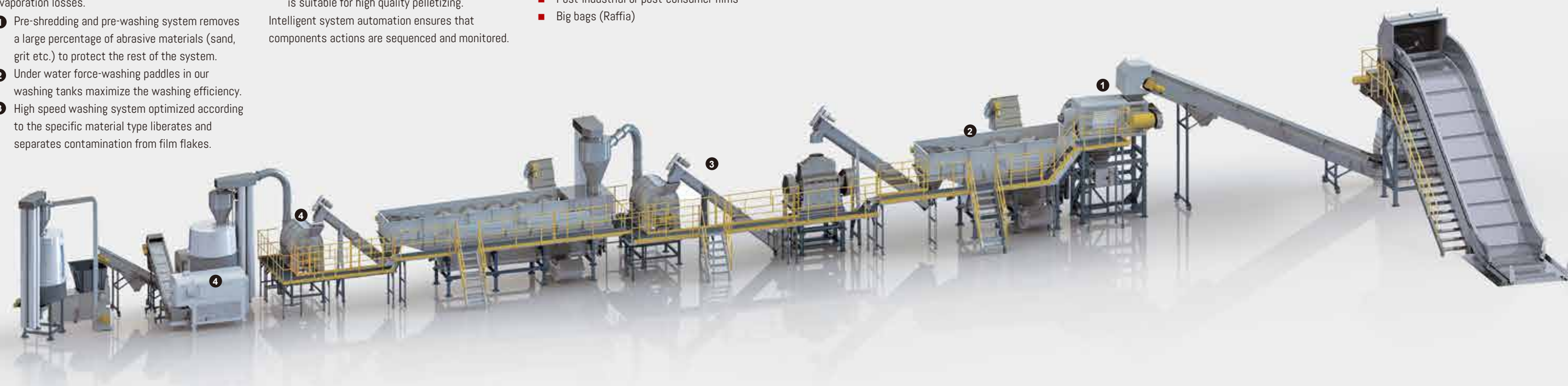
Centrifugal Dryer



Inclined Friction Washer



Pre-Washer



more info

| 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 |