

HDPE Bottle / Container 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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HDPE Bottle / Container Washing System

Features

The HDPE washing line is designed for rigid plastics with a wall thickness ranging from 1~25mm such as HDPE Bottle, etc.

- 1 The shredding system is with wear resistant design to maximize the consistent running of the system and minimize operational costs.
- 2 High speed washing system with corresponding speed according to material type liberates contamination from plastic flakes.
- 3 The under water force-washing paddle of the washing tank maximize the washing efficiency.
- 4 Mechanical and thermal drying system minimize the moisture of the end product.

- 5 Label separation can be achieved by advanced wind separation.
- 6 Intelligent system automation ensures that components actions are sequenced and monitored.

Applications

- Liquid drums & containers
- Milk bottles
- Wheelie bins
- Pipes



Inclined Friction Washer



Float-sink Washing Tank



Vertical Dewatering Machine



Zig-zag Classifier



Recycling Systems / HDPE Bottle / Container Washing System

Inclined Friction Washer		
Model	GFW4040	GFW4050
Dimension (L x W x H) (mm)	3725 x 945 x 3585	4490 x 945 x 4230
Rotation Speed (RPM)	760	760
Rotation Diameter (mm)	370	370
Moter Power (kw)	11	15
Weight (kg)	1800	2100

Float-sink Washing Tank			
Model	GSF1260D	GSF1580D	GSF1880D
Dimension (L x W x H) (mm)	7790 x 3740 x 3660	8640 x 4560 x 4260	8640 x 4885 x 4655
Tank Width (mm)	1,200	1,500	1,800
Number of Roller (pcs)	5	6	6
Moter Power (kw)	7.3	8.45	8.45
Weight (kg)	4140	5230	6310

Vertical Dewatering Machine		
Model	GTK500	GTK650
Dimension (L x W x H) (mm)	2940 x 1200 x 2740	3350 x 1320 x 2930
Rotation Speed (RPM)	1044	1044
Rotation Diameter (mm)	500	650
Moter Power (kw)	18.5	22
Weight (kg)	1800	2150

Zig-zag Classifier	
Model	GZ800C-D
Dimension (L x W x H) (mm)	2430 x 1580 x 4580
Chamber Width (mm)	800
Chamber Amount (pcs)	2
Moter Power (kw)	14.75
Weight (kg)	980