



高速离心脱水技术

High-speed Centrifugal
Dewatering Technology

专利产品
PATENTED

再生PET瓶片的含水率是PET回收的一个重要质量指标，机械式脱水效率的高低直接影响到成品的质量以及回收过程中的能源消耗。物料由进料口连续进入脱水机内腔，在高速旋转的转子带动下作离心运动，同时被转子叶片向前推进，经转子上的离心风叶从出料口吹出，水份经筛筒的筛孔被甩出，在脱水机下部出水孔汇集流出。

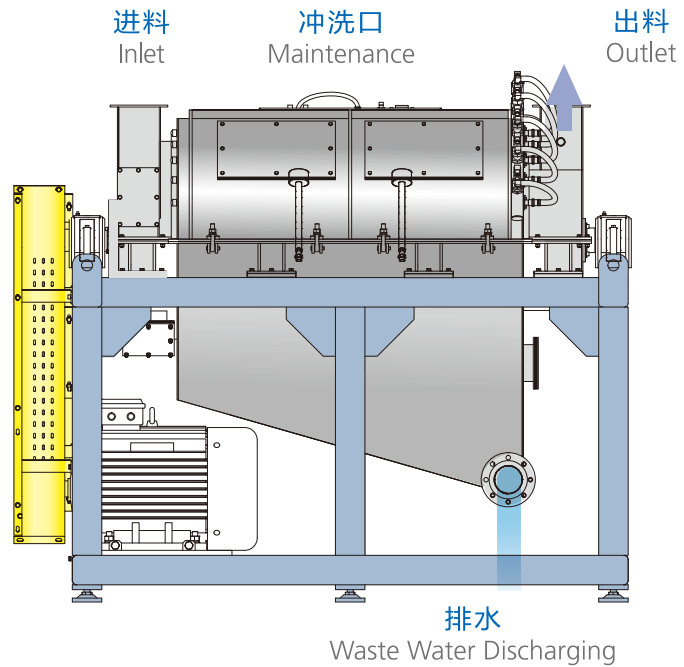
Moisture content of rPET flakes is an important criteria of PET recycling, mechanical dewatering efficiency directly affects rPET flakes as well as energy consumption during the recycling process. Plastics dryer separates water through centrifugal dewatering force. PET flakes are feed into the dryer through inlet hopper, moving and forward by rotor paddles in dryer. The last section of shaft is a blower-like design which can transport PET to next process. The water is thrown out through the screen, collecting in discharging hopper at the bottom of the dewatering machine and outflow.

卧式脱水机 Plastic Dryer

宝绿特提供两种形式的脱水机。经过脱水机作用，瓶片的含水率可降至 2~3%，如后段再辅加热交换，含水率会进一步下降到 0.7%。采用宝绿特的机械式高速脱水设备(含辅助加热)足以满足市场需要。特殊设计的轴心，防堵塞筛网等可以达到最高的产量。最低的故障率与简单的设备维护工作。新型阶梯式脱水机在原有轴心设计上加以阶梯处理更有水份的分离，同时对瓶片具有一定的清洁效果。

BoReTech supplies two types of plastics dryers. PET flakes moisture rate will be reduced to 2~3% after dewatering force, if the heat exchanger is supplemented afterwards, the moisture rate can be further reduced in 0.7%. It is sufficient to meet the downstream applications demands. Specially designed shaft and anti-block screen are beneficial to reach the highest output capacity and minimal moisture content. The dryer is advantage of the lowest breakdown rate and simpler maintenance. The next generation of dryer with a step-type shaft design, which is useful to separate water and has cleaning function to PET flakes.

运行示意图 Operation Process



备件 Spare Parts

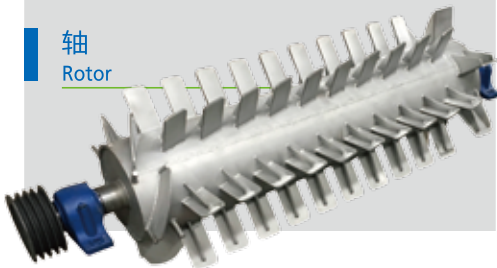
筛网
Screen (2-pieces)



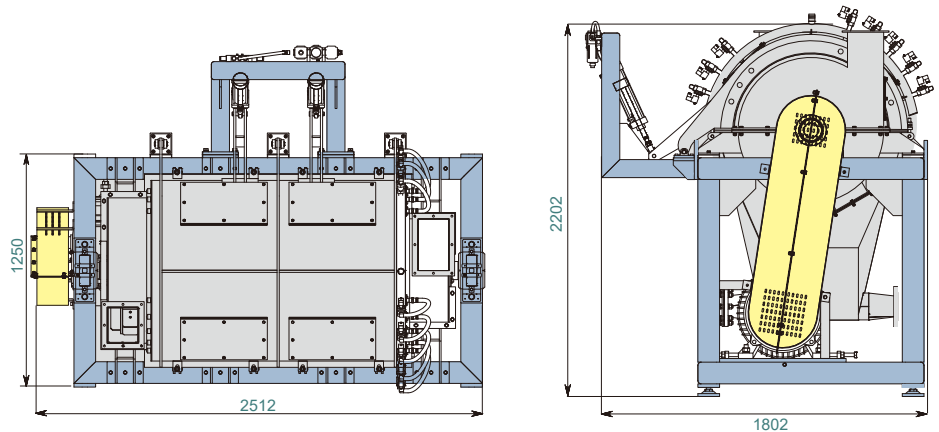
有圆形和十边形两种筛网可供选择。尽可能的将金属，泥沙在前段去除干净来确保筛网的使用寿命

There are two types of screens (Circular / Decagonal) can be selected for different end use.

轴
Rotor



外观尺寸图 Dimensions TSS800



参数表 Parameters

型号 Model	单位 Unit	处理量 Capacity (kg/h)	功率 Power (kW)	外形尺寸 Dimensions (mm)	成品含水率 Water Content (%)
TS600		1500	18.5	2573 x 1631 x 1750	<2.5
TS800		3000	55	2470 x 1940 x 2022	<2.5
TSS600		3000	30	2514 x 1602 x 2038	<2
TSS800		6000	55	2512 x 1802 x 2202	<2

*以上各型号的脱水率只针对PET瓶片 *Water content above is for PET flakes

