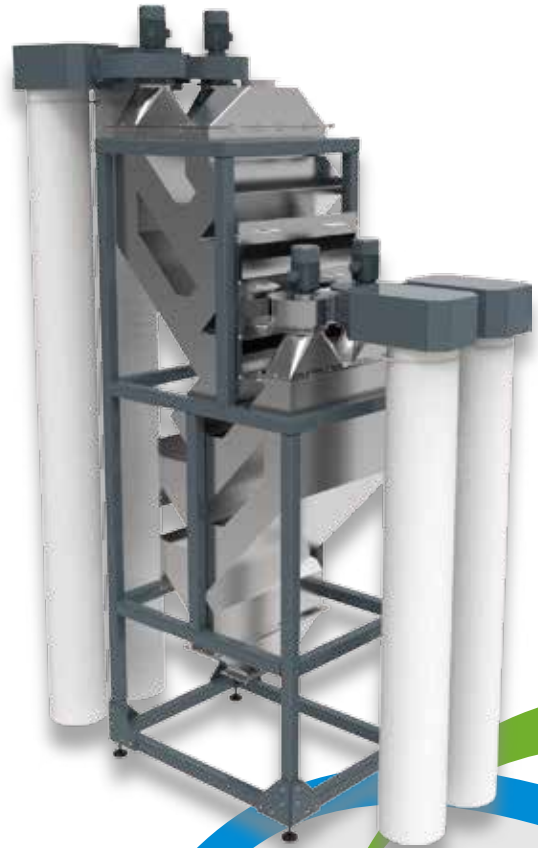


塑料回收清洗杂质筛分技术

Sieving Technology of
Plastic Recycling System



筛分设备 Sieving Machine

筛分设备用来分离夹杂在 PET 瓶回收中的泥沙, 金属, 石头, 玻璃, 标签, 粉尘等杂质, 整瓶筛分为后段 PET 瓶片的清洗粉碎奠定基础, 减少设备运行磨损和产能消耗, 提高生产效率。后段瓶片筛分有效提升最终成品瓶片的质量。

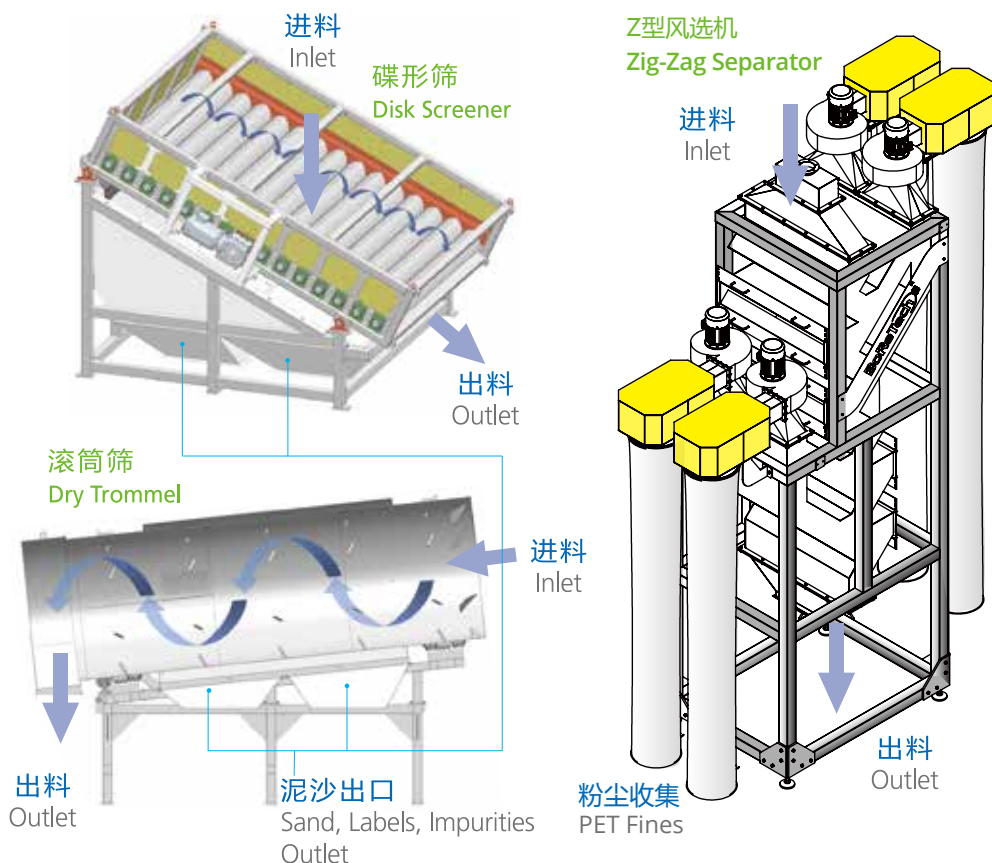
Sieving device for PET recycling separates solid wastes such as sands, metal, small stones, labels in PET bottle recycling production. Bottle sieving is useful to reduce equipment running abrasion, production loss to enhance production performance with water saving. PET flakes sieving improves the final PET flakes quality and stabilize the quality of flakes.

宝绿特提供滚筒筛, 碟形筛, PET 风选三种筛分设备。碟形筛较滚筒筛占地面积更精简, 碟形筛可分别置于解包及整瓶洗涤单元后, 去除瓶体表面的泥沙, 标签杂质等, 置于整瓶清洗后, 可均匀分散瓶子的入料分布以及去除清洗后瓶体表面的水份等杂质。滚筒筛可分别分离出杂质中的瓶盖和泥沙。宝绿特风选设备有两种规格。Z 型风选机和利用重力与机械结构有效分离瓶片中的游离粉尘, 细小塑料标签和薄膜。

3 types of sieving machines which are dry trommel, disk screener and dust remover are available for different material. They have the same function to remove impurities such as sands, metals, small stones, labels in different washing sections. Disk screener is more compact than the dry trommel, it's good to be placed after de-baling and pre-washing to separate impurities. It can evenly spread PET bottles on next process like belt conveyor and filter residual water. Dry trommel can remove caps and sands separately through multiple meshes filtrations.

Dust remover has two specifications for choice. One is named Zig-zag separator, the other is label aspiration separator. These two machines can separate small plastic labels and films by taking advantage of the gravity and machine structure.

运行示意图 Operation Process



参数表 Parameters

型号 Model	单位 Unit	处理量 Capacity	功率 Power	外形尺寸 Dimensions	Z型风选机 Zig-Zag Separator
		(kg/h)	(kW)	(mm)	小标签与粉尘分离率 Dust Separation Rate (%)
FX600		1500	2.2 x 2	3623 x 930 x 5323	> 90
FX1200		3000	2.2 x 4	3827 x 1570 x 5506	> 90
FXZ1200		3000	7.7	2400 x 2700 x 6500	> 70

参数表 Parameters

型号 Model	单位 Unit	处理量 Capacity	功率 Power	振动频率 Vibration Frequency	轴数量 Shaft Quantity	外形尺寸 Dimensions
		(kg/h)	(kW)	(times/min)	(Pcs)	(mm)
TTS1223		3000	3	400	11	2814 x 1977 x 2513
TTS2732		6000	5.5	400	15	3722 x 3377 x 2902

参数表 Parameters

型号 Model	单位 Unit	处理量 Capacity	功率 Power	滚筒直径 Drum Diameter	网孔尺寸 Mesh Size	外形尺寸 Dimensions
		(kg/h)	(kW)	(mm)	(mm)	(mm)
GTS1600		3000	5.5	Ø1600	Φ30*50	5230 x 3490 x 2315
GTS1900		4500	7.5+1.1	Ø1900	Φ30*50	6070 x 2660 x 4675

