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专注环保 科技创新

Focus on Environment Technology Innovation



环创科技官方服务号

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废旧塑料破碎清洗造粒回收线

Waste Plastic Crushing, Washing, Pelletizing Recycling System



www.hcwater.com www.hcsolidwaste.com

通过对各种废旧塑料产品的深入研究,我们研发了一系列高性能,高产量的废旧塑料回收再生线,其主要功能包括破碎,清洗,造粒和干燥.该系列生产线广泛应用于PE农膜,HDPE瓶,PET瓶,PP编制袋及各类通用塑料产品的回收再生.通过与客户的深度交流,了解客户的切实需求并结合客户单位所在地区的实际情况,我们将为客户量身定做整体解决方案.

Through deep researching for various waste plastics,we have researched&developed a series of recycling system of waste plastics including main functions such as crushing,washing,pelletizing and drying process.This series have been applied to recycling PE agricultural films,HDPE bottles, PET bottles,PP bags and different normal plastic product.Through deep communication with customers and understanding client' s real requirements,connecting customer' s region situation,we would like to make special comprehensive whole solving technical proposal for customers.

- PET瓶
- PP编制袋
- HDPE瓶
- PET bottle
- PP bag
- HDPE bottle
- PE 薄膜(农膜及工业废膜)
- PE thin film(agricultural film and industrial waste film)



■ 根据不同生产需求废旧塑料回收再生生产线可能包括如下设备:

In according to different producing requirements, waste plastics recycling line may include following equipments:

- 入料输送带-成捆或松散薄物料的均匀喂料,也可以用叉车将成捆物料不经过输送带直接投入撕碎机。
Feeding belt conveyor-even feeding the bundled or loose thin material, it' s also possible that the forklift puts the bundled material into shredder directly without feeding belt conveyor.
- 撕碎机-带水撕碎物料,在撕碎同时进行预洗。
Single shaft shredder -shredding material with water,at same moment,to prewash the material.
- 螺旋输送机-输送并清洗。
Screw conveyor-conveying and washing.
- 预洗机-去除部分泥沙以及可能含有的砂石之类的异物。
Prewasher-remove sands ,stones .
- 漂洗分离器-清洗物料,去除部分泥沙和杂质,分离不同密度的物料。
Floating separator-washing material, removing sand and impurities and separating different plastics.
- 粉碎机-带水粉碎并清洗。
High speed pulverizer-pulverizing material with water and washing.
- 高温煮锅-高温清洗物料,将胶水溶解。主要用于PET瓶清洗。
High temperature boiler -high temperature washing material, melting adhesive. Applying mainly to PET bottles.
- 卧式摩擦清洗机-高速清洗,水从筛网孔排出,减少物料进入下一步清洗时表面附着的含杂质和含杂质的液体。
Horizontal friction washer-high speed washing, water is discharged from sieve, reducing impurities for next processing.
- 离心脱水机-去除物料表面的大部分水分。
Centrifugal dewaterer- removing most of surface water of the material.
- 热风干燥系统-进一步烘干物料。
Hot air dring system-further drying materials.
- 脱标签系统-去除可能剩余的标签,主要用于瓶料清洗。
Removing label system-removing remained labels for washing bottle' s material mainly.
- 装袋系统
Bagging system
- 控制电柜
Electrical cabinet

■ 通过选择合适的机型,整合出最贴合实际生产需求的方案,在尽可能控制设备投入的情况下为用户获取最高性价比的生产线,生产高品质产品,用于销售或造粒,注塑或吹膜。
Through choosing suitable machine type,integrated the most perfect technical proposal ,under the situation of trying to control the minimum cost,user will can get the producing system with high cost performance ,producing high quality final products for sale,pelletizing ,injection molding or blow film.

■ 检测和检验 Test and Inspection

所有设备出厂之前我们都会将其组装成生产线，尽量使用客户需要处理的物料，模仿实际生产线环境进行负载测试及检验已确保生产线性能和产量达到客户要求。在满足上述条件之后，我们诚挚邀请客户亲临现场和我们一起进行最后的测试检验，提出宝贵意见。

Before all equipments will be shipped out. We will integrate all equipments to one completed producing line, as far as possible to use testing material base on customer's requirements for imitating the actual environment of loading test and inspection to ensure the production and output can meet the requirements of customers.

■ 主要设备技术参数 Main Equipment and Technical Data



■ 预洗机 Prewasher

型号	外形尺寸(mm)	转速(rpm)	回转直径(mm)	功率(kw)	毛重量(kg)
Model	Dimension	Rotating Speed	Rotary Diameter	Power	Gross Weight
PRW6030	3100*1950*2000	1080	630	55	2600
PRW8030	3150*2150*2200	1080	830	75/90	3300



■ 漂洗沉淀池 Floating Separator

型号	外形尺寸(mm)	工作宽度	滚筒数量	功率(kw)	毛重量(kg)
Model	Dimension	Working width	Number of	Power	Gross Weight
FLT1240	4450*2850*2250	1200	4	5.5	2600
GLT1560	5800*3100*2450	1500	6	11	3400
GSF1860	5800*3200*2450	1800	6	15	3700



■ 摩擦清洗机 Friction Washer

型号	外形尺寸(mm)	安装形式	回转直径 (mm)	功率 (kw)	毛重量 (kg)
Model	Dimension	Installation type	Rotary Diameter	Power	Gross Weight
FRW5030	3250*1120*3500	倾斜式 Inclined	500	18.5	1450
FRW6030	3500*1650*1800	卧式 Horizontal	600	55	3400
FRW8030	3600*2000*2150	卧式 Horizontal	800	75	4200



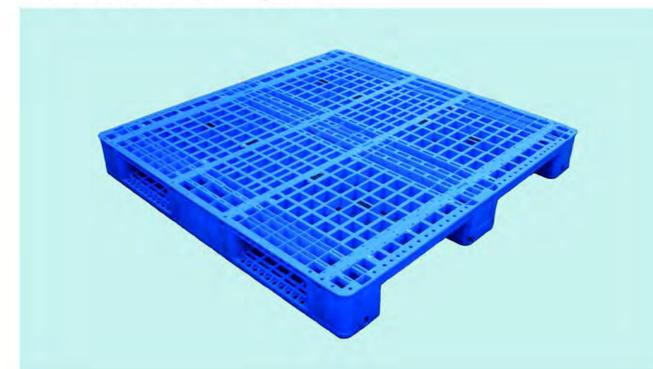
■ 离心脱水机 Centrifugal Dewaterer

型号	外形尺寸(mm)	转速 (rpm)	回转直径 (mm)	功率(kw)	毛重量 (kg)
Model	Dimension	Rotary Speed	Rotary Diameter	Power	Gross Weight
CED650	3500*1240*1750	1400	650	55	3200
CED800	3660*1540*2120	1400	800	90	3900
CED800L	4260*1540*2120	2000	800	110	4500

■ 塑料回收粒子的应用 Application of Plastic Recycling Pellets

废旧塑料加工成颗粒后，只是改变了其外观形状，并没有改变其化学特性，依然具有良好的综合材料性能，可满足吹膜、拉丝、拉管、注塑、挤出型材等技术要求，大量应用于塑料制品的生产。Waste plastics are manufactured pellets which just had changed the external shape and have not changed its chemical properties, still have the properties of good comprehensive material, which can meet the blow film, wire drawing, pipe drawing, injection molding, extrusion molding and other technical requirements, a large number of cases are used in plastic production.

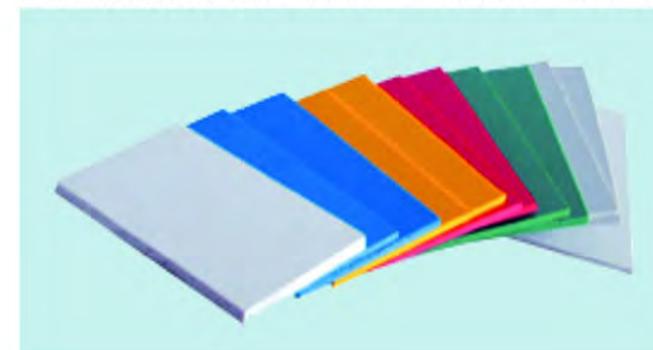
■ 塑料托盘 Plastic pallet



■ 塑料垃圾桶 Plastic garbage bin



■ 塑料保温防火建材 Plastic fire insulation materials



■ 吹膜塑料袋 Blowing plastic bag



■ 各类塑料垫片 Various plastic gaskets



■ 塑料粘胶剂 Plastic adhesive

