BAODING HAORUI

Machinery manufacturing Co., LTD

OUR PRICE IS COMPETITIVE

OUR TECHNOLOGY IS LEADING

OUR TEAM IS VERY RESPONSIBLE

OUR MACHINES ARE FIRST-CLASS

OUR COMPANY IS CUSTOMER-CENTRIC

保定豪锐机械
保定豪锐机械制造有

我们的厂房占地 20000 平方米
Our workshops cover 20000m^2

多项专利技术
Multiple patents

保定豪锐机械制造有限公司成立于 1992 年，专业生产和出口 PET 瓶回收设备，PP PE HDPE LDPE 塑料袋，膜，瓶子清洗设备，造粒设备等。我工厂已经在美国，墨西哥，秘鲁，尼日利亚，加纳，肯尼亚，阿尔及利亚，越南，泰国，老挝，柬埔寨，印度，孟加拉，沙特阿拉伯，土耳其，哈萨克斯坦，土库曼斯坦等国，为 80 余位客户提供了完整的塑料回收解决方案。我工厂员工超 100 人，目标年销售额出口占比约为 30%。始终秉持“质量第一”，生产后严格质检，使我们的产品在国内外广受欢迎，销售网络遍布世界各地。公司厂房面积 20000 平方米，技术人员 40 余人。超过 30 年的塑料回收生产经验和 15 人的研发团队使我们的机器设计独特，同时我们接受 OEM 和 ODM 合作方式。

HAORUI Machinery was established in 1992, a professional manufacturer & exporter of PET bottle recycling machine, PP PE HDPE LDPE bag / film /bottle recycling machine, pelletizing machine etc. We already helped over 80 clients solve the plastic recycling investment solution in Vietnam, Thailand, Laos, Cambodia, India, Bangladesh，Saudi Arabia, USA, Nigeria, Ghana, Kenya, Algeria, South Africa,Turkey，Kazakhstan，Turkmenistan，etc. We have over 100 employees, an annual sales figure that exceeds USD10million dollars and are currently exporting 30% of our production. Always insist on “quality is first” and inspect after producing which makes us more popular in Domestic and gained a global sales network all over the world.There are over 40 technicians in our workshops which covers 20000m^2. Over 30 years’ experiences and our 15 persons’ R&D team make our machine design unique, OEM &ODM are welcome.

Accessory Brand

invensys EUROTHERM · RKC INSTRUMENT INC. · TECO · OMRON

ABB · Schneider Electric · DELTA

PET 500KG/Hr STANDARD TYPE

Recycling Machine·聚酯回收设备

CE · TÜVRheinland® Precisely Right. · SGS

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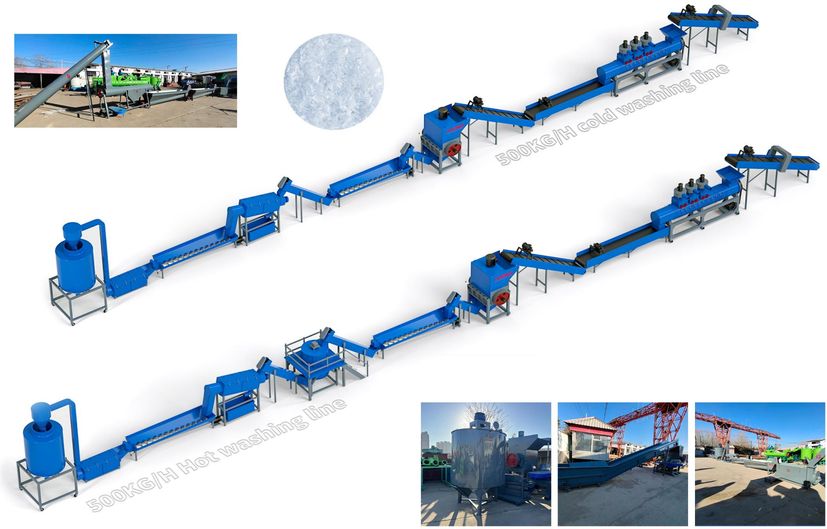
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

该生产线产量是我们最小产量：500kg/h，可将其分为冷洗线和热洗线。适用于初入此行的新客户或者低预算客户。一般情况下，冷洗线主要包含以下设备：传送带（可配备金属检测设备），脱标机，分拣平台，破碎机，提升机，漂洗槽，高速摩擦清洗，甩干机，料斗。这些设备可高效去除瓶子表面的标签，瓶盖，瓶环，胶水，泥沙等杂质，最终得到干净且干燥的瓶片。热洗线在冷洗线的基础上增添了热洗罐，能够更好地去除油污和胶水。我们也可以根据客户不同的需求定制生产线。

This line is our minimum capacity :500kg/h, which can be divided into cold and hot washing line. Suitable for customers who are new to this industry or low-budget. Generally,the cold washing line mainly including: belt conveyor(with metal detector), label remover, sorting conveyor, crusher, screw loader, floating washing tank, high-speed friction washing machine, dewatering machine, and silo storage. Through these machines the labels, caps, rings, glue, sediment and other dirties can be removed effectively and finally get clean and dry PET flakes. The hot washing line adds a hot washing tank based on the cold washing line for better removing the oil and glue. We can provide customization according customers' requirements.



型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-500	Cold wash	500KG/Hr	/	60kw/Hr	1ton/Hr	40m*4m*3m
PET HR-500	Hot wash	500KG/Hr	steam/electricity	65.5kw/Hr	1ton/Hr	45m*4m*3m

PET 1000KG/Hr STANDARD TYPE

Recycling Machine·聚酯回收设备

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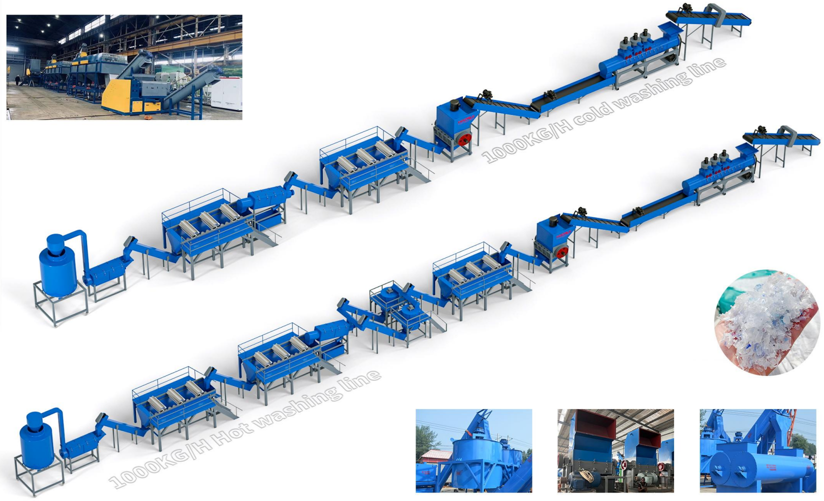
该生产线产能是1000kg/h，可将其分为冷洗线和热洗线。是初入此行新客户的首选清洗线。一般情况下，冷洗线主要包含以下设备：传送带（可配备金属检测设备），脱标机，分拣平台，破碎机，提升机，漂洗槽，高速摩擦清洗，甩干机，料斗。这些设备可高效去除瓶子表面的标签，瓶盖，瓶环，胶水，泥沙等杂质，最终得到干净且干燥的瓶片。热洗线在冷洗线的基础上增添了1台漂洗槽和2台热洗罐，能够更好地去除油污，胶水等，瓶片会更加干净和明亮。我们也可以根据客户不同的需求定制生产线。

The production line capacity is 1000kg/h, which can be divided into cold washing line and hot washing line. It is the first choice for customers who are new to this industry.Generally, the cold washing line mainly including: conveyor belt(with metal detector), label remover, sorting conveyor, crusher, screw loader, floating washing tank, high-speed friction washing machine, dewatering machine, and silo storage.After these machines the labels, caps, rings, glue, sediment and other dirties can be removed effectively and finally get clean and dry pet flakes.The hot washing line adds a rinsing tank and two hot washing tanks to the cold washing line, which can better remove oil stains, glue, etc., and the final PET flakes will be more cleaner and brighter.We can provide customization according customers' requirements.



型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-1000	Cold wash	1000KG/Hr	/	115kw/Hr	2ton/Hr	60m*4m*3m
PET HR-1000	Hot wash	1000KG/Hr	steam/electricity	129kw/Hr	2ton/Hr	65m*4m*3m

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PET 1000KG/Hr HIGH-END TYPE

Recycling Machine·聚酯回收设备

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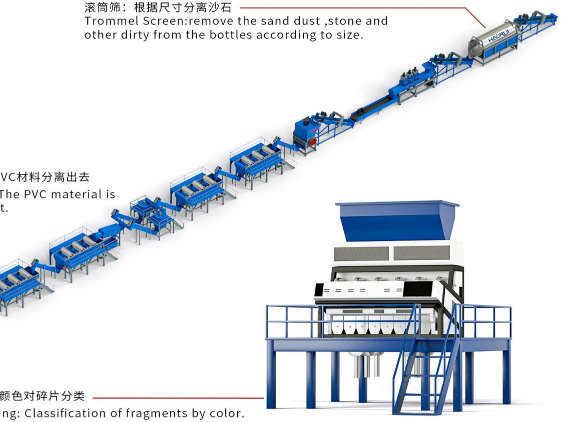
该生产线相比于标准生产线，增添了 1 台滚筒筛，1 台漂洗槽，1 台标签分选机和 1 台瓶片色选机。滚筒筛能够高效去除大部分沙石，尘土，泥沙，等杂质，保护后续设备，有效延长后续破碎和清洗系统的使用寿命。脱标机未能脱掉的标签经过后续冷洗和热洗，标签会脱落下来并经过标签分选机分离出去。色选机能自动分拣不同颜色的瓶片，最终得到质量更高，更纯净，单一颜色的瓶片。我们也可以根据客户不同的需求定制生产线。

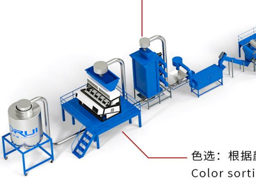
Compared with the standard type line, this production line adds one set Trommel Screen,one set floating washing tank, one set zig zag label separator and one set flakes color sorter machine.the trommel screen can remove the stone,sand, dust,mud ,metal and other impurities,then protect the following machines effectively and extend their using time.The labels that have not been removed by the label remover will fall off after cold and hot washing ,finally be separated by the zig zag label separator.The color sorter can automatically sort bottle flakes by different colors, finally get higher quality, pure and single-color PET flakes.We can provide customization according customers' requirements.



滚筒筛：根据尺寸分离沙石
Trommel Screen:remove the sand dust ,stone and other dirty from the bottles according to size.

PVC分选：将PVC材料分离出去
PVC sorting: The PVC material is separated out.

色选：根据颜色对碎片分类
Color sorting: Classification of fragments by color.



型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-1000	Hot wash	1000KG/Hr	steam/electricity	200kw/Hr	2ton/Hr	90m*3.5m*6m

PET 2000KG/HR STANDARD TYPE

Recycling Machine 聚酯回收设备

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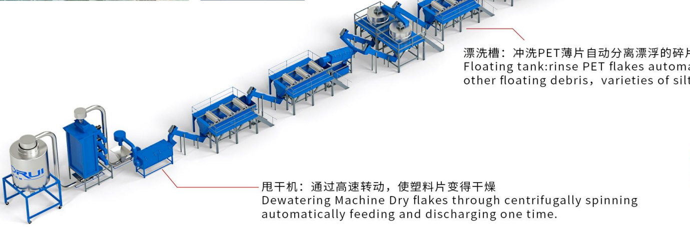
该生产线产能是 2000kg/h, 适用于在该行业有 2 年以上经验的客户。一般情况下，该生产线主要包含以下设备：开包机，传送带(可配备金属检测设备)，脱标机，分拣平台，破碎机，提升机，漂洗槽，热洗罐，高速摩擦清洗，甩干机，标签分选，料斗。这些设备可高效去除瓶子表面的标签，瓶盖，瓶环，胶水，泥沙等杂质，最终得到干净且干燥的瓶片。我们也可以根据客户不同的需求定制生产线。

This line capacity is 2000kg/h, which is suitable for customers with more than 2 years of experience in this industry.The production line mainly includes the following equipment: bale opener, belt conveyor (can be equipped with metal detector), label remover, sorting conveyor, crusher,screw loaderr, floating washing tank, hot washing tank, high-speed friction washer, ,dewatering machine, zig zag label separator and silo storage.After these machines the labels, caps, rings, glue, sediment and other dirties can be removed effectively and finally get clean and dry PET flakes.We can provide customization according customers' requirement.

开包机：将整捆的瓶包打开
Bale opener Open the PET bales
vertical and horizontal type are both available.



漂洗槽：冲洗PET薄片自动分离漂浮的碎片,各种淤泥和纸屑。
Floating tank:rinse PET flakes automatically separate other floating debris，varieties of silt and paper scraps.

甩干机：通过高速转动，使塑料片变得干燥
Dewatering Machine Dry flakes through centrifugally spinning automatically feeding and discharging one time.

型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-2000	Hot wash	2000KG/Hr	steam/electricity	300kw/Hr	2.5ton/Hr	80m*4m*6m

PET 2000KG/Hr HIGH-END TYPE

Recycling Machine 聚酯回收设备

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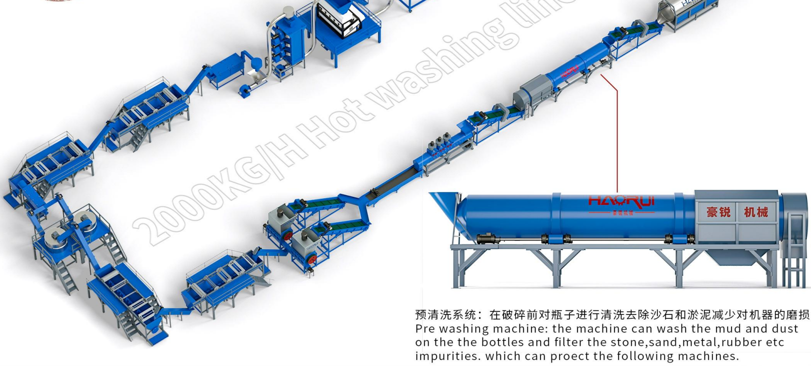
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

该生产线相比于标准生产线，增添了 1 台滚筒筛，1 台整瓶清洗设备和 1 台瓶片材色一体机。滚筒筛和整瓶清洗能高效去除大部分泥沙等杂质，保护后续设备，有效延长后续破碎和清洗系统的使用寿命。材质色选一体机不仅能自动分拣不同颜色的瓶片，还能在 PET 瓶片中分选分离非 PET 材料，如（PVC,PC,PP,PE,PA,PLA,PS,ABS, 橡胶等），最终得到纯净且纯色的瓶片，满足 3A 级新瓶标准。我们也可以根据客户不同的需求定制生产线。

Compared with the standard type line, this production line adds one set trommel screen, one set bottle pre-washing system and one set flakes color&polymer sorter.The trommel screen and bottle pre-washing system can effectively remove most mud ,metal and other impurities,which protect the following machines effectively and extend their using.The flakes color&polymer sorter not only sort the pet flakes by different colors automatically , but also separate non-PET materials, such as (PVC, PC, PP, PE, PA, PLA, PS, ABS, rubber, etc.), and finally get pure and single-color PET flakes, meet the 3A food grade standard.We can provide customization according customers' requirements.



传送带：携带和运输PET瓶
Belt Conveyor:carry and transport PET bottles.

料仓：收集最终的塑料片
Silo storage:collect the final flakes.

预清洗系统：在破碎前对瓶子进行清洗去除沙石和淤泥减少对机器的磨损
Pre washing machine: the machine can wash the mud and dust on the the bottles and filter the stone,sand,metal,rubber etc impurities. which can proect the following machines.

型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-2000	Hot wash	2000KG/Hr	steam/electricity	355kw/Hr	3.5ton/Hr	115m*4m*6m

PET 3000KG/Hr HIGH-END TYPE

Recycling Machine·聚酯回收设备

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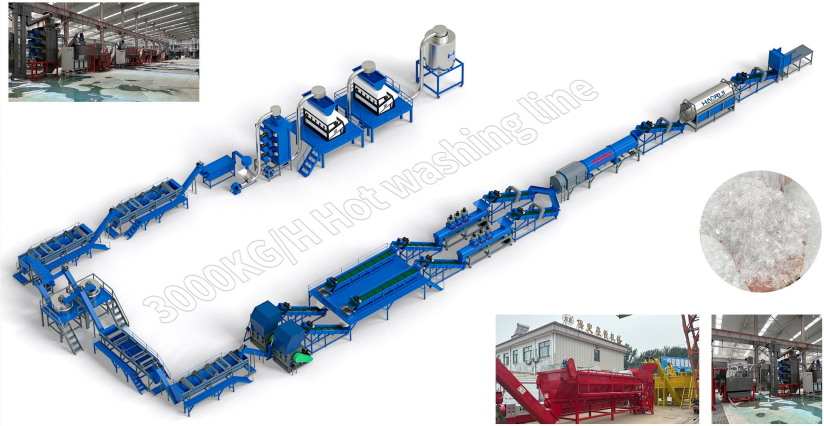
该生产线产能是 3000kg/h, 对于在该行业有经验的客户，是性价比最高的一个产能型号。一般情况下，该生产线主要包含以下设备：开包机，传送带（可配备金属检测设备），滚筒筛，整瓶清洗，脱标机，分拣平台，破碎机，提升机，漂洗槽，热洗罐，高速摩擦清洗，甩干机，标签分选机，色选机，材质分选机，料斗。最终得到纯净且纯色的瓶片，满足 3A 级新瓶标准。我们也可以根据客户不同的需求定制生产线。

The line capacity is 3000kg/h, it is the most cost-effective model for customers who are experienced in this industry.Generally, the production line mainly includes: bale opener, conveyor belt (can be equipped with metal detector), trommel screen, bottle pre-washing system, label remover, sorting platform, crusher, screw loader, floating washing tank, hot washing tank , high-speed friction washer, dewatering machine, zig zag label separator, color sorter, polymer sorter, Silo storage.Finally, pure and single-color PET flakes , which meet the 3A food grade standard.We can provide customization according customers' requirement.



型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-3000	Hot wash	3000KG/Hr	steam	510kw/Hr	4.5-5ton/Hr	150m*5.5m*7m

PET 4000-5000KG/Hr SHIGH-END TYPE

Recycling Machine·聚酯回收设备

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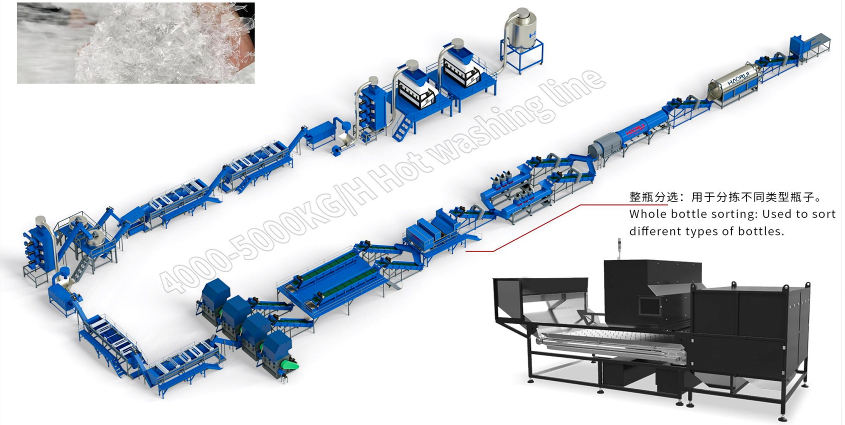
该生产线产能是 4000-5000kg/h，适用于在该行业有 3~5 年经验的，且有实力的公司。一般情况下，该生产线主要包含以下设备：开包机，滚筒筛，整瓶清洗，脱标机，整瓶分选机，人工分拣平台，传送带，破碎机，提升机，漂洗槽，热洗罐，高速摩擦清洗，甩干机，标签分选，色选机，材质机，料斗。该生产线为全自动整瓶分拣，瓶片分拣，分辨率高，最终得到高质量纯净纯色透亮的 PET 瓶片，满足 3A 级新瓶标准。我们也可以根据客户不同的需求定制生产线。

This line is 4000-5000kg/h, which is suitable for companies with 3~ 5 years’ experience in this industry and strong capabilities.Generally, the production line mainly includes: bale opener, trommel screen, bottle pre-washing, label remover, bottle sorting machine, manual sorting platform, belt conveyor, crusher, screw loader, floating washing tank, hot washing tank , high-speed friction washer, dewatering machine, zig zag label separator, color sorter, polymer sorter, silo storage.This line adopts automatic bottle sorting and flakes sorting, with high resolution, and finally get high-quality, pure, single-color and translucent PET flakes, meeting 3A food grade standard.We can provide customization according customers' requirement.



整瓶分选：用于分拣不同类型瓶子。
Whole bottle sorting: Used to sort different types of bottles.

型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-4000-5000	Hot wash	4000-5000KG/Hr	steam	750kw/Hr	5ton/Hr	170m*13m*7m

PET 2000KG/Hr FOOD GRADE TYPE

Recycling Machine·聚酯回收设备

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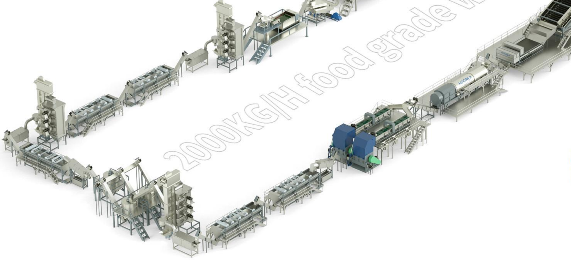
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

这是一条 B2B(食品级)PET 回收生产线，适用于有过 3 年及以上纤维级清洗线经验的投资者，通过 FDA 认证，最大产量达 7000kgs/小时，设备清单：开包机，滚筒筛，两套整瓶色选(含弹跳筛)，脱标机，整瓶清洗，高架分拣平台，2 台破碎机，2 台高速摩擦清洗，5 台漂洗槽，3 台加热罐，3 台甩干机，3 台标签去除机，1 台涡电流分离，1 台色选机，1 台材质机，1 台老化机，最后收料。瓶片达到食品级标准，我们也可以根据客户的要求定制

This is 2000kg/hr B2B (food grade) PET recycling production line ,suitable for the customers with over 3 experiences of fibre grade PET bottle washing line , FDA approved ,the maximum capacity up to 7000kg/hr,machine list including: bale breaker, trommel screen, two sets bottle sorter machine with bounding screen, label remover, bottle washing machine,high platform sorting 2sets plastic crusher,2sets high speed friction washing ,5 sets floating tank, 3sets hot washing tank, 3sets dewatering machine,3sets zigzag label separator, 1set eddy current separator, 1set PET flakes color sorter, 1set polymer sorter,1set aging sorter , then silo , PET flakes come to B2B grade. we can produce according to the cusotmer's demand for different requirment .

washing line



New PET bottle
Waste bottle
PET flake
PET granules

型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率 Energy consumption	用水量 water consumption	长*宽*高 machine size:L*W*H
PET HR-FG-2000	Hot wash	2000KG/Hr	steam	750kw/Hr	5ton/Hr	170m*13m*7m

PP&PE RECYCLING MACHINE

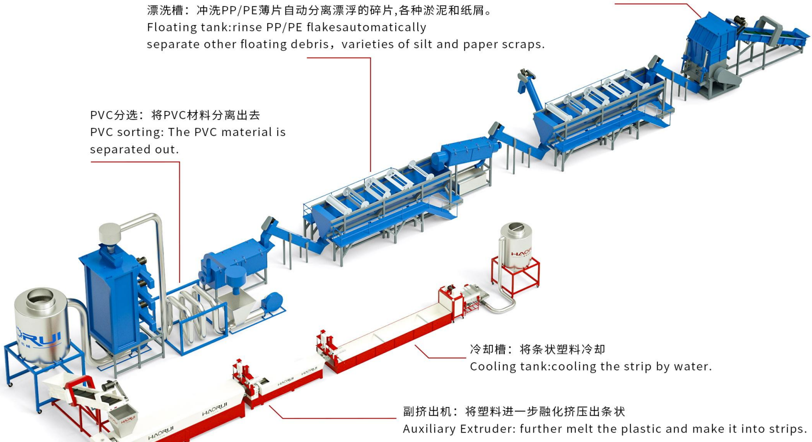
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

Bottle / Bucket / Hollow Container Recycling Machine 瓶，壶，桶回收设备

Film / Woven Bags Recycling Machine 薄膜，编织袋回收设备

该生产线主要用于回收废旧的 PP PE 硬料，例如：洗发水瓶，牛奶瓶，玩具，水果筐，大蓝桶等。软料，例如 PE 膜，农膜，包装袋，PP 编织袋，尼龙袋等根据客户原材料，我们能够提供一整套分拣 - 破碎 - 清洗 - 干燥 - 造粒 回收解决方案。产量500-6000kg/h。专用于硬料破碎的破碎机刀片采用特殊的材质，产量高，刀片结实耐用。造粒机可分为拉条造粒和水环造粒，可根据客户要求定制。

This production line is mainly used to recycle waste PP PE hard materials, such as Shampoo bottles, milk bottles, toys, fruit bucket, big blue drums, big gallon etc.oft materials, soft plastic such as PE film, agricultural film, packaging bags, PP woven bags, nylon bags, etc.Based on the customer's raw materials, we can provide a full solution including



粉碎机： 将塑料粉碎成合适尺寸的碎片
Crusher:crush plastic materials into flakes.

漂洗槽：冲洗PP/PE薄片自动分离漂浮的碎片,各种淤泥和纸屑。
Floating tank:rinse PP/PE flakesautomatically
separate other floating debris，varieties of silt and paper scraps.

PVC分选：将PVC材料分离出去
PVC sorting: The PVC material is
separated out.

冷却槽：将条状塑料冷却
Cooling tank:cooling the strip by water.

副挤出机：将塑料进一步融化挤压出条状
Auxiliary Extruder: further melt the plastic and make it into strips.

主挤出机：将塑料挤压融化
Main Extruder: extrude and melt the plastic.

型号 Model	清洗方式 washing method	产量 Capacity	加热方式 Heating type	总功率(含管道干燥) Energy consumption inclusion Pipe dryer	用水量 water consumption	长*宽*高 machine size:L*W*H
PP/PE-HR-1000	Cold wash	1000KG/Hr	/	210kw/Hr	1.5-2ton/Hr	48m*2m*6m

SAMPLE PROJECTS

工程案例

HAORUI
豪锐机械
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

PET 500KG/Hr HOT WASHING LINE

PET 1000KG/Hr WASHING LINE

PET 2000KG/Hr HOT WASHING LINE

PET 3000KG/Hr HOT WASHING LINE

PET 4000KG/Hr HOT WASHING LINE

PET 6000KG/Hr HOT WASHING LINE

PP/PE WASHING LINE

PP/PE WASHING LINE

CUSTOMER VISIT

CUSTOMER VISIT

CUSTOMER VISIT

CUSTOMER VISIT

SINGLE PRODUCT DISPLAY

单品展示

HAORUI
豪锐机械
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

BALE OPENER

PELLETIZING MACHINE

MAJOR EXTRUDER

PLASTIC BOTTLE BLOWING MACHINE

PLASTIC BOTTLE BLOWING MACHINE

PLASTIC BOTTLE BLOWING MACHINE

FLOATING TANK

PP cap floating tank

DEWATERING MACHINE

HIGH SEED FRICTION WASHER

LABEL SEPARATOR

COLOR & POLYMER SORTING MACHINES

BALING MACHINE

打包机（立式·卧式）

CE CE TÜVRheinland® Precisely Right. SGS

HAORUI® 豪锐机械
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

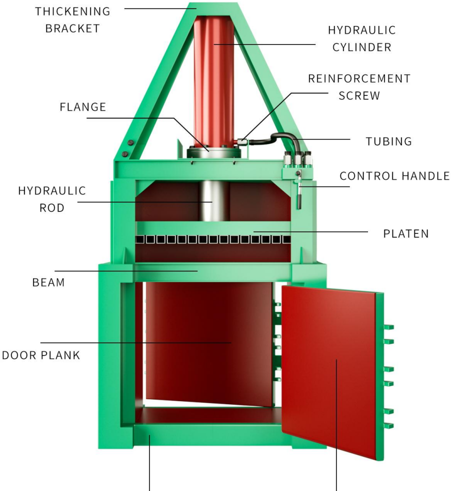
液压打包机主要适用于废旧塑料瓶、易拉罐、纺织制品等物料的压缩打包， 能够有效减少储存空间， 便于运输。我司可提供不同型号立式和卧式打包机， 主要针对于 PET 瓶的打包，采用高强度液压系统，压缩后的捆包紧凑、牢固。采用高质量耐磨高密封油管，管壁厚，密封性强，保证压缩工作运行过程中不漏油。设备故障率低，使用寿命长。

The hydraulic baler is mainly suitable for compressing and baling waste plastic bottles, cans, textile products and other materials, which can effectively reduce storage space and facilitate transportation. Our company can provide both vertical and horizontal type, mainly for bale PET bottles. It uses a high-strength hydraulic system to make the bales compact and strong. Adopt high-quality wear-resistant and high-sealing oil pipes with thick pipe walls and strong sealing to ensure no oil leakage during working,which has low failure rate and long using time.

DOUBLE CYLINDER VERTICAL
双缸立式

SINGLE CYLINDER HORIZONTAL
单缸卧式

SINGLE CYLINDER VERTICAL



SINGLE CYLINDER HORIZONTAL
单缸卧式

BASE

DOOR PLANK

Model	Energy consumption	Equipment pressure	weight	Dimension
Single cylinder vertical	11kw	50T	2T	1.4m*0.9m*4.2m
Double cylinder vertical	15kw	80T	3T	2.1m*1.05m*3.9m
Single cylinder horizontal	30kw	125T	10T	6.6m*1.75m*2.4m
Single cylinder horizontal	45kw	220T	19T	10m*1.4m*1.5m

LABEL REMOVER

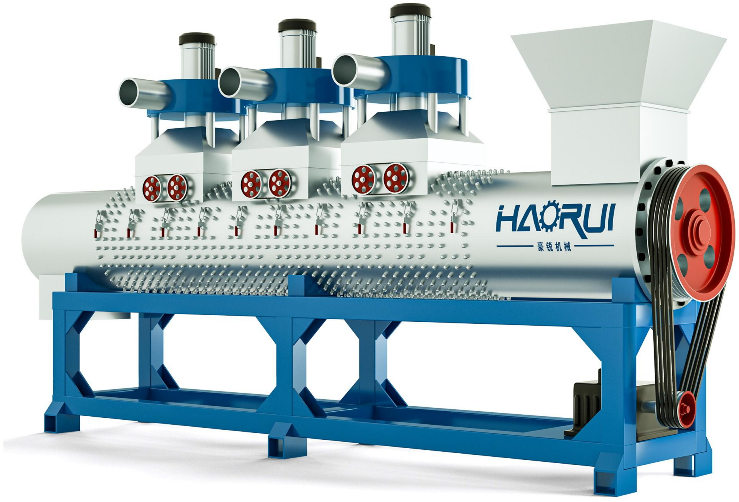
脱标机

CE CE TÜVRheinland® Precisely Right. SGS

HAORUI®
豪锐机械
EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

本机用于将塑料瓶上的标签分离。拆标机用于 PET 回收，在粉碎前将标签分离，得到不带标签的 PET 薄片。拆标机刀片将平刀片和锋利刀片按适当比例组合，既能提高工作效率，又能防止瓶子损坏。本机刀片可拆卸，更换方便，节省人工。在 PET 瓶回收水洗线上，拆标机进行预处理，将标签拆下，得到无标签的 PET 瓶。

The label removing machine be used for separate the label of from plastic bottles.Label removing machine used for PET recycling, separate the label before crushing, that could get the PET flakes without labels.The label removing machine blades combine flat blades and sharp blades in appropriate proportion, that can approve work efficiency and prevent bottle from damage. The machine with removable blades, easy to replace and save labor.In the PET bottle recycling washing line ,label removing machine do preprocess ,to remove the labels and get the PET bottle without labels.



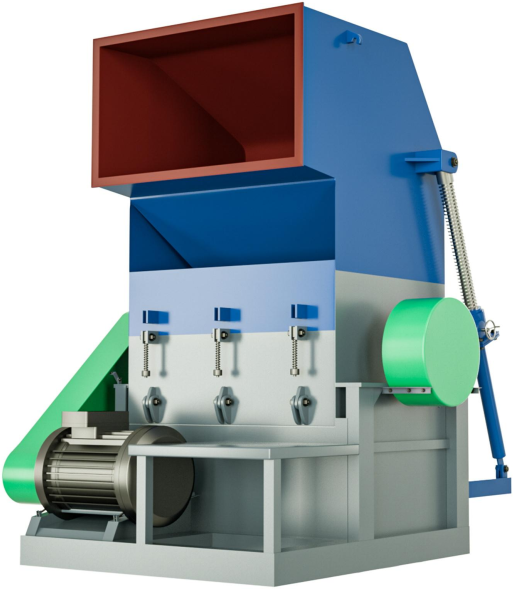
Model	Motor power	label suction fan	Diameter of center shaaft	Blades material	Label Remover Ratio	Dimension
600Type	22kw	4kw*2	600mm	Alloy	95%	5500*1000*1200mm
800Type	37kw	5.5kw+7.5kw*2	800mm	Alloy	95%	6200*1200*3600mm
900Type	37kw	7.5kw*2+5.5kw	900mm	Alloy	95%	6500*1260*3600mm
1000Type	45kw	7.5w*3	1000mm	Alloy	95%	6500*1350*3700mm

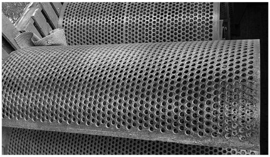
CRUSHER MACHINE

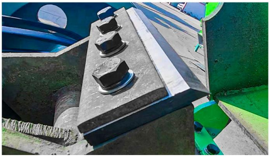
破碎机

我公司专为 PET 瓶体粉碎设计破碎机，具有入料顺畅、工作稳定、耗能低、震动噪音低、结构强固、维护成本低、使用寿命长等特性。同时，湿式破碎除利用水的冲击力加强了 PET 碎片摩擦清洗效果外，又因水的冷却作用降低磨擦热量，减少 PET 碎屑，并延长刀具使用寿命等。

The crusher is specially used for PET bottles, which has the features of smooth feeding, stable operation, low energy consumption, low vibration and noise, strong structure, low maintenance cost, and long service life. Wet crushing uses the impact of water not only enhances the friction and cleaning effect of PET flakes, but also reduces the friction heat and PET debris due to the cooling effect of water, and protects the following machines and extend their using time.







Model	600Type	800Type	1000Type	1200Type	1500Type	1600Type
Energy consumption	22kw	37kw	55kw	75kw	90kw	110kw
Weight	0.5t	1.3t	2.5t	2.8t	4.9t	6t
Dimension	1.7*1.2*2.3m	1.86*1.5*2.65m	2*1.8*3m	2*2.1*3m	2.25*2.35*3.2m	2.3*2.6*3.6m

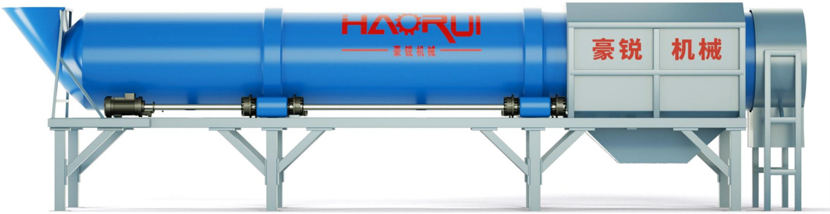
PRE-WASHING SYSTEM

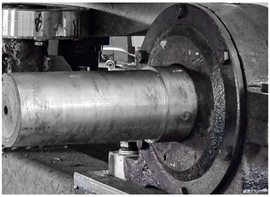
预清洗系统

EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

PET 瓶预清洗系统能够在破碎前尽可能去除外部杂质,例如沙子，石子，污泥等，是保障最终 PET 瓶片质量和降低生产成本的重要基础,该设备最大的特色在于连续进料，连续清洗，自动化程度高，能高效去除大部分泥沙等杂质，保护后续设备，有效延长后续破碎和清洗系统的使用寿命。

The bottle pre-washing system can remove most external impurities before crushing,such as sand ,stone,and even mud on the bottles.It is an important process to insure the quality of the final PET flakes and reducing production costs. The biggest feature of this equipment is continuous feeding, continuous cleaning, highly of automation.It can removes most of the sediment and other impurities effectively,which protects protect the following machines and extend their lifetime.





Model	Energy consumption	water consumption	Dimension
2000 Type	22kw*2	2t/h	13.5m*2.2m*2.8m

OPTICAL SORTER

光学分拣设备整合

EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

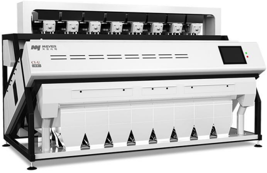
该单元可采用世界著名分选厂商美亚与我司清洗线衔接整合。在人力相对昂贵的区域，自动分拣机扮演非常重要的角色，不仅可以降低管理成本，减少人员的需求量，而目在分拣的品质方面可以得到保证。色选机通过光学传感器分拣不同颜色的 PET 瓶子或者瓶片。材质分选机通过近红外检测器可以将非 PET 材质的瓶子或瓶片识别并分离出来

We adopt world-famous brand Meyer optical sorter to connect with our PET bottle washing line.This automatic sorting machine plays a very important role especially in the countries where the labor cost is high. It can not only reduce the labor and management costs but also has a high accuracy rate,ensure the final flakes quality.The color sorter sorts different color PET bottles and flakes through optical sensors. The polymer sorter can identify and separate non-PET material from PET bottles or flakes through near-infrared detectors.

色选-COLOR SORTER

材质分选-POLYMER SORTER

材质/颜色分选一体机
COLOR&POLYMER SORTER



老化分选
AGING FLAKES/FLUORESCENT FLAKES SORTER

整瓶分选-BOTTLE SORTER

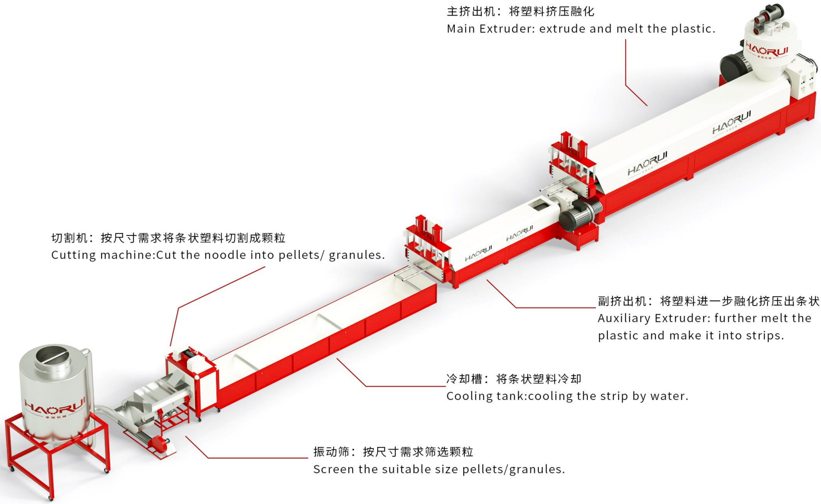
PELLETIZING MACHINE

造粒机

EMAIL:HAORUI-SHIRLEY@PETJIXIE.COM

豪锐造粒机系列主要有 PP PE HDPE LDPE 膜 / 编织袋造粒机。此款是子母造粒机，此设计造粒更稳定，更干净，高密度。该系统也适用于含重杂质的物料。提供两次过滤和三次脱气过程。与特殊设计的螺杆挤出机相结合，可确保最终产品质量的可靠和稳定。

PP PE HDPE LDPE film woven bag pelletizing granulator machine for plastic recycling machine HAORUI pelletizing system.This is double stages PP PEHDPE LDPE pelletizing machine. With double stage it work more stable and can produce more clean and more density pellets.This system is greatly suitable for the materials containing heavy impurities. This excellent system can provide double filtration and triple degassing process. Combined with special design screw extruder, this system can ensure reliable and stable quality of final products.



主挤出机：将塑料挤压融化
Main Extruder: extrude and melt the plastic.

切割机：按尺寸需求将条状塑料切割成颗粒
Cutting machine:Cut the noodle into pellets/ granules.

副挤出机：将塑料进一步融化挤压出条状
Auxiliary Extruder: further melt the plastic and make it into strips.

冷却槽：将条状塑料冷却
Cooling tank:cooling the strip by water.

振动筛：按尺寸需求筛选颗粒
Screen the suitable size pellets/granules.