PET 瓶片造粒生产线

PET Flakes Pelletizing Production Line

Production Process:

Conveying feeding → Pre crystallization and drying → Conveying feeding → Metal detector → Parallel twin screw extruder → Hydraulic screen changer → Plastic strand die head → Water cooling tank →Dryer → Plastic strand cutter → Storage silo

生产流程:

输送上料→预结晶干燥→输送上料→金属检测→平行双螺杆挤出机→液压换网→拉条模头→冷却水槽→干燥→切粒机→料仓

Hydraulic Oil Pump
液压站

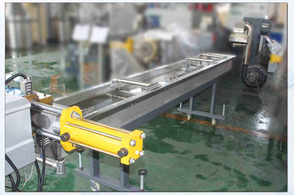
Hydraulic Screen Changer
液压换网

Plastic Strand Die Head
拉条模头

Water Tank
水槽

Drying Blower
吹干机

Cantilever Pellelizer
悬臂式切粒机



产品参数 Specification	SJPT20	SJPT35	SJPT50	SJPT65	SJPT72	SJPT92
Screw Dia(mm)(螺杆直径)	21.7	35	50.5	62.4	71.2	21.7
Rotata speed(mm)(转速)	600	400	400/600	500/600	400/500	400/500
Motor Power(主电机功率)	4	18.5	55	75	110	250
L/D(长径比)	32~40	28~48	28~40	28~48	28~48	28~40
Capacity(kg/h)(产量)	2~10	5~30	40~80	100~300	300~600	600~1000

注:具体产量和设备配置视材料而定。 The above is just for reference, the real capacity or specifications dependent on your exclusive material.

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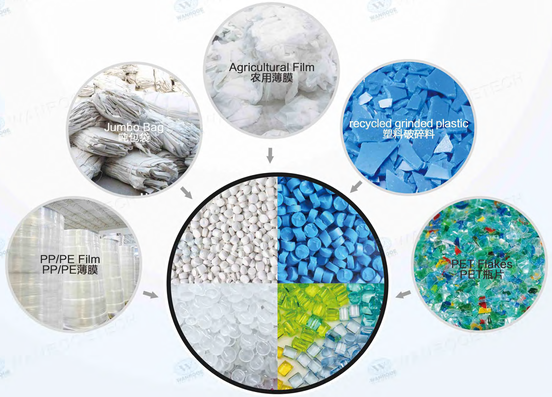
NEVER STOP TO IMPROVE THE QUALITY AND SERVICE
追求服务与质量永不止步

PELLETIZING PROJECT SOLUTIONS

造粒解决方案

适用于农用薄膜，编织袋，印刷膜，购物袋；塑料破碎料，团粒料，塑料薄膜破碎料；瓶片破碎料等；

PP, LDPE, LLDPE, HDPE, BOPP, PET flakes, Recycled Grinded Plastic, Plastic material from agglomerator, grinded plastic film etc.



PP/PE 薄膜,编织袋团粒造粒生产线(单阶)

PP/PE Film,Woven Bag Compactor-Pelletizing Machine(Single-Stage)

Applicable Plastic Material:

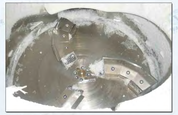
PP, LDPE, LLDPE, HDPE, BOPP etc.
Material Status: woven bag, Printed plastic film (Rolls, loose, bundled), agriculture film, foamed plastic, etc. The above material will be agglomerated, and then fed into the extruder machine; thanks to the agglomerator, the extruder can achieve the MAX capacity, and the capacity range about: 100-1000kg/h.

使用原材料:

农用薄膜，编织袋，印刷膜，购物袋等。
PP/PE薄膜团粒造粒回收生产线适用于农用薄膜，编织袋，印刷膜，购物袋等回收造粒，物料经团粒机破碎，升温，密实后，然后送入挤出机进行挤出，实现产能最大化地释放。
产量为: 100-1000KG/H.

皮带输送
Feeding

Plastic material is conveyed into the compactor chamber by belt conveyor, as to rolls firms, roller hauling off device is optional device.
原材料由输送带输送到团粒机，整卷的薄膜牵引装置是可选配置。



团粒机底座
Agglomerating/Compacting chamber

The rotating blades crush the raw material into scraps. Then send it into extruder screw barrel by centrifugal force.
刀片高速转动，将原材料切成小片，通过离心力输送到挤出机螺杆处。

密实仓造粒主机
Extrusion pelletizing system

38CrMoAl screw & barrel nitrogen treatment, double vacuum exhaust, more effectively remove moisture from the material to ensure pellets quality.
38CrMoAl螺杆和机筒氮气处理，双重真空排气，更有效地去除物料中的水分，以确保颗粒质量。

产品参数 Specification	PNHS-85	PNHS-100	PNHS-120	PNHS-160	PNHS-180
Screw Dia (mm)(螺杆直径)	85	100	120	160	180
L/D(长径比)	25-36	25-36	25-33	25-33	25-33
Capacity(kg/h)(产量)	120-180	200-250	400-500	450-700	500-1000

注:具体产量和设备配置视材料而定。 The above is just for reference, the real capacity or specifications dependent on your exclusive material.

PP/PE 薄膜,编织袋团粒造粒生产线(双阶)

PP/PE Film,Woven Bag Compactor-Pelletizing Machine(Double-Stage)

Applicable Plastic Material:

PP, LDPE, LLDPE, HDPE, BOPP etc.
Material status: woven bag, printed plastic film (Rolls, loose, bundled), agricultural film, foamed plastic etc. Double stage pelletizing machine is mainly used for higher water content and contamination waste plastic, first stage extruder adopts exhaust type barrel, the screw which can effectively de-gassing and eliminate moisture and contamination; and the baby extruder usually adopt small L/D extruder, further plasticizing the material and filter contamination which can achieve stable extrusion.
Capacity: 150-1000kg/h.

使用原材料:

农用薄膜，编织袋，印刷膜，购物袋等。
双阶式回收造粒生产线主要适用于含水率和物料杂质含量较高的废旧塑料回收造粒；第一阶挤出机采用排气式机筒，螺杆，可以有效脱挥、排除水汽、滤除杂质；而第二阶挤出机一般采用长径比较短的挤出机，进一步塑化喂料，和过滤杂质，实现稳定挤出回收。
产量: 150-1000KG/H.

双工位液压换网器
Melt filter system

Equip hydraulic automatic non-stop screen changing filter system, with automatic pressure alarm device.
配备液压自动不停机换网系统和自动压力报警装置。

水环切粒系统
Cutting pelletizing system

Water-ring die-head cutting type, cutting speed frequency controlling, SKD material blade, pellets size uniform and beautiful.
水环切粒模头，切粒速度自由控制，SKD材料刀片，切粒均匀美观。

振动脱水机
Dewatering drying & pellets storage system

Vibration dewatering method, saving power consumption and low noise, high performance of pellets dewatering drying.
采用振动方式脱水，节能降耗且噪音低，颗粒的脱水干燥性能好。

产品参数 Specification	PNHS-85/85	PNHS-100/100	PNHS-120/120	PNHS-160/160	PNHS-180/180
Screw Dia (mm)(螺杆直径)	85	100	120	160	180
L/D (长径比)	25-36	25-36	25-33	25-33	25-33
Capacity(kg/h)(产量)	120-180	200-250	400-500	450-700	500-1000

注:具体产量和设备配置视材料而定。 The above is just for reference, the real capacity or specifications dependent on your exclusive material.

PP/PE/ABS 破碎料造粒生产线(单阶)

Recycled Grinded Material Pelletizing Machine (Single-Stage)

Applicable Plastic Material:

Recycled Grinded Plastic, Plastic material from agglomerator, ground plastic film, Single-stage pelletizing machine is mainly used for common plastic pelletizing;
Capacity: 150- 1000kg/h.

使用原材料:

塑料破碎料，团粒料，塑料薄膜破碎料等;
单阶式回收造粒生产线主要适用于一般的废旧塑料回收造粒;
产量:150-1000KG/H.

Water ring pelletizer 水环切粒

Water Ring Die Face Cutting System is used for LLDPE, HDPE, PP, PS, ABS, easy maintenance and operation, output granules are much more beautiful!
水环切粒系统适用于LLDPE、HDPE、PP、PS、ABS,维护操作方便,输出颗粒均匀非常美观!

Noodle type pelletizing 拉条造粒

Spaghetti Cutting Method is used for PIC, PET, compounding, masterbatch, etc, much more widely used.
拉条造粒广泛适用于PC、PET,复合改性造粒，色母造粒等，用途广泛。

产品参数 Specification	PNHS-65D	PNHS-90D	PNHS-100D	PNHS-120D	PNHS-150D	PNHS-200D
Screw Dia (mm)(螺杆直径)	65	90	100	120	150	200
L/D(长径比)	28-33	28-33	28-33	25-33	25-33	25-33
Capacity(kg/h)(产量)	60-80	80-120	100-180	200-300	300-500	500-800

注:具体产量和设备配置视材料而定。 The above is just for reference, the real capacity or specifications dependent on your exclusive material.

PP/PE/ABS 破碎料造粒生产线(双阶)

Recycled Grinded Material Pelletizing Machine (Double-Stage)

Applicable Plastic Material:

Recycled Grinded Plastic, Plastic material from agglomerator, ground plastic film. Double stage pelletizing machine is mainly used for higher water content and contamination waste plastic, first stage extruder adopts exhaust type barrel, the screw which can effectively de-gassing and eliminate moisture and contamination; and the baby extruder usually adopt small L/D extruder, further plasticizing the material and filter contamination which can achieve stable extrusion.
Capacity: 150-1000kg/h.

使用原材料:

塑料破碎料，团粒料，塑料薄膜破碎料等。双阶式回收造粒生产线主要适用于含水率和物料杂质含量较高的废旧塑料回收造粒；第一阶挤出机采用排气式机筒，螺杆，可以有效脱挥、排除水汽、滤除杂质；而第二阶挤出机一般采用长径比较短的挤出机，进一步塑化喂料，
和过滤杂质，实现稳定挤出回收。
产量: 150-1000KG/H。

不停机全自动换网器
Non-Stop Screen Changer

Equip hydraulic automatic non-stop screen changing filter system, with automatic pressure alarm device.
配备液压自动不停机换网系统和自动压力报警装置。

母机排料排气口
Mother Extruder Die Head

The Die Head have multi-holes which can make the plastic extruded like a noodle, and moisture in the material can exhaust completely, to make sure end plastic granules of high quality!
主机排料口有很多科孔。挤出的料像面条一样。这个过程使物料中的水份彻底排出，使得成品颗粒质量更优质!

立式水环切粒机
Vertical Water Ring Pelletizer

Water-ring die-head cutting type, cutting speed frequency controlling, SKD material blade, pellets size uniform and beautiful.
水环切粒模头，切粒速度自由控制，SKD材料刀片，切粒均匀美观。

产品参数 Specification	PNHS-80/80	PNHS-100/100	PNHS-130/130	PNHS-160/160	PNHS-180/180
Screw Dia (mm)(螺杆直径)	85	100	130	160	180
L/D(长径比)	25-36	25-36	25-33	25-33	25-33
Capacity(kg/h)(产量)	120-180	200-250	400-500	450-700	500-1000

注:具体产量和设备配置视材料而定。 The above is just for reference, the real capacity or specifications dependent on your exclusive material.