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Visit Beier machinery website to get more product information.

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BE BEIER BE GREENER

Plastic Washing Recycling Solution

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COMPANY BRIEF

THE GLOBAL PLASTIC MACHINERY BRAND STRIVING FOR A BALANCE BETWEEN LIFE QUALITY AND EARTH SUSTAINABILITY

Jiangsu Beier Machinery is an integrated equipment supplier that advances plastic extrusion to recycling technology for green recycling. Committed to sustainability, Jiangsu Beier Machinery integrates three business units of plastic extrusion, compounding, and recycling systems to offer the global market a comprehensive solution that balances life quality with earth sustainability.

Since 1998, Beier's highly efficient and energy-saving European-style PE/PP/PP-R/PVC pipe, sheet and profile production lines, PVC blending and dosing systems and plastic solid waste recycling lines have served more than 130 countries and regions worldwide, creating value for more than 600 plastics companies with stable and sustainable production benefits and forming partnerships to develop a circular economy in various industries, including public works construction, construction markets and plastic recycling.

Innovation is one of Beier's core values that guides Beier's continuous evolution and growth, building its reputation through further technological upgrades, product service, customer satisfaction, and giving back to the community. Importantly, it is used to achieve the brand's mission, "Innovation for sustainability, pride in customer success".

27
years of experience

500+
Personnel

160+
Country



BEIER HEADQUARTER (Zhangjiagang)

DEVELOPMENT OF PLASTIC MACHINERY BUSINESS GROUP TO IMPROVE THE QUALITY OF HUMAN LIFE

Beier is conveniently located in Zhangjiagang National Economic and Technological Development District, Jiangsu Province, and is a national high-tech enterprise, a national torch plan enterprise, a provincial famous trademark, a provincial export base enterprise for plastic machinery products, and a provincial contract-abiding and credible enterprise.



BEIER INTELLIGENT (Nantong)

For Beier and its global business partners, they will benefit from the Beier Machinery's vision to improve the quality of human life. In addition to plastic extrusion, compounding and recycling solutions, they will also have the professional resources and services of Bestar Blow Molding Machinery and Macquarie Import and Export Co., Ltd.

PROPOSING A PLASTIC RECYCLING STRATEGY IN ACCORDANCE WITH PROTECTING THE COEXISTENCE OF HUMAN BEINGS AND ALL THINGS

Beier has established R&D platforms such as the Engineering Technology Research Center for Waste Plastics Utilization Machinery, Postdoctoral Workstation, Thousand Talents Program Workstation, etc. It has more than 80 national patents and has been recognized as a demonstration unit for the introduction of overseas intelligence. Beier Machinery attracts high-end professional and technical talents from Europe and China to integrate the essence of industrial technology, meeting the needs of customers in different market segments.

Beier Machinery consistently considers how to enhance production efficiency and environmental friendliness, aiming to cultivate core competitiveness for sustainable development. It contributes to the global endeavor of energy conservation, emission reduction, and green economic development, striving to create a happier and better life.





ACQUIRING AND EXPLOITING INNOVATION IN THE PLASTIC INDUSTRIAL SPHERE

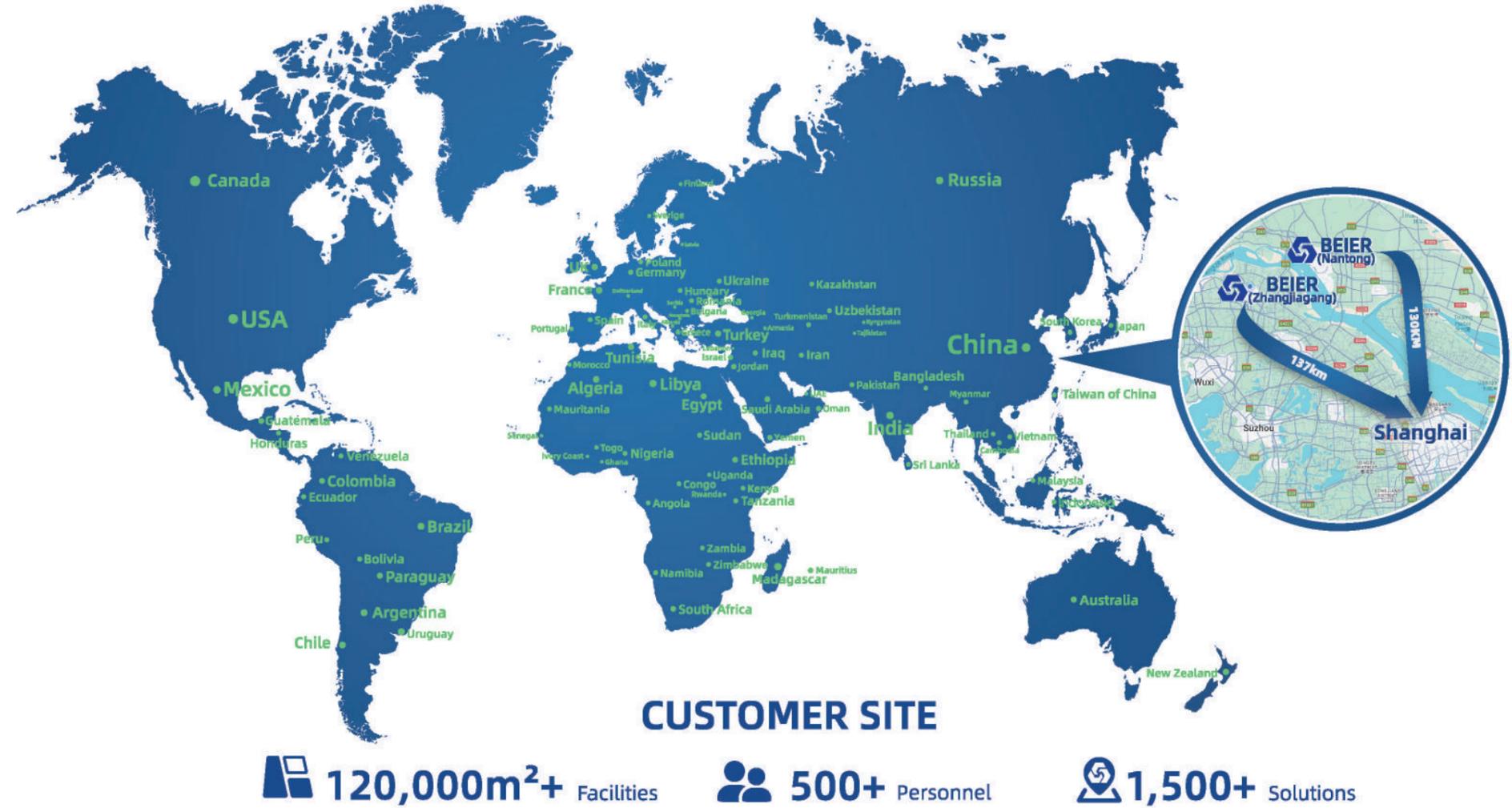
The sustainability we seek for is an innovative solution that allow us to live better and happier. To ensure this, we have continued to challenge and innovative ourselves with Beier Team and Clients. Beier will keep striving for our challenge and innovation toward future.

- 

40+
Are innovation patents
- 

60+
Patents for utility model
- 

40+
Authorized patents



500-8000KG/H PET BOTTLE WASHING LINE



500
PET washing lines

Serviced in
130
nations and
regions

Post-consumer PET bottles are doubtless among the most important components of the recycling market. Recycled PET may be used in a wide variety of final applications, with very interesting and remunerable financial returns for the recycling companies.

As the quality of the collected PET bottles varies significantly from country to country, and even within the same country, and as their conditions can be very bad, it is necessary to be continuously updated on the technologies and technical solutions of PET recycling,

in order to correctly process the most difficult and contaminated materials and reach the best final quality.

BEIER Machinery, thanks to its worldwide experience in the field of PET bottle washing & recycling, can provide its customers with proper technical solutions and state-of-the-art recycling technologies, delivering a response tailored to the frequently changing needs of its customers and of the market.



- Automated selection, the whole bottle sorting stage adopts highly automated technologies such as AI, near-infrared, eddy current, etc., effectively separating bottles and metals of different colors and materials, greatly reducing labor costs.
- Energy saving, the production line extensively adopts high-efficiency motors, equipped with frequency converters, and uses low-power equipment such as belt conveyors to reduce high-power equipment such as air supply.
- Water conservation: The production line adopts the principle of gradually decreasing water usage, and the clean water from the back is filtered and used step by step to reduce the amount used.
- High degree of automation, using PLC remote module technology to achieve functions such as one click startup and remote startup.

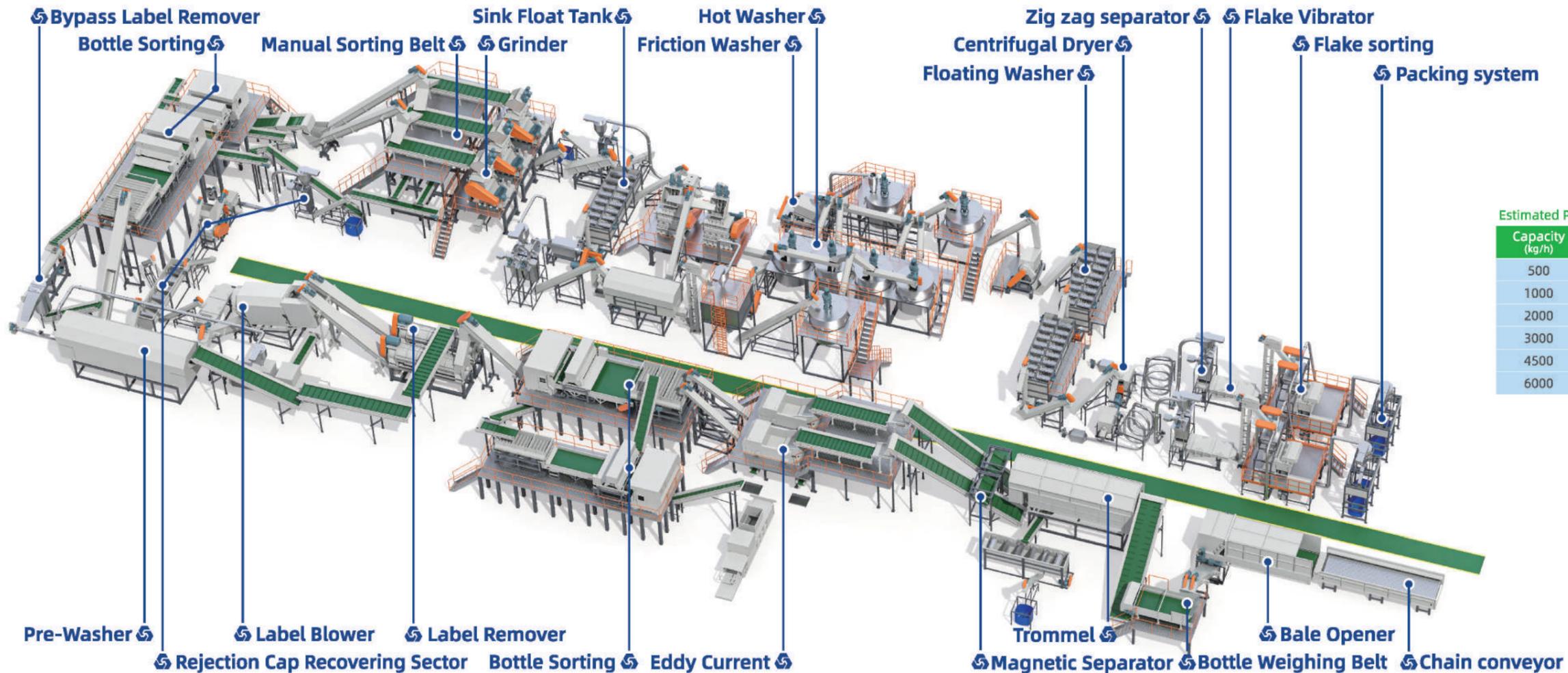
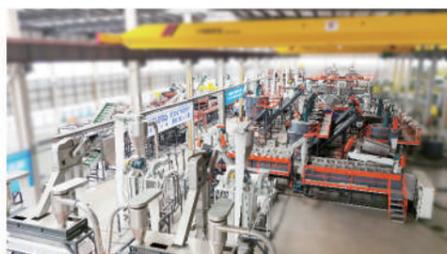


500-8000KG/H PET BOTTLE WASHING LINE



AI-ROBOT AUTOMATIC SORTING

Replace manual sorting
High speed picking
Intelligent learning



Estimated Plant Parameters

Capacity (kg/h)	Power (kw)	Required Area (m ²)	Manpower	Steam Volume (kg/h)	Compressed Air (m ³ /min)	Water Supply (m ³ /h)
500	220	400	5-8	350	4-10	1-1.5
1000	500	750	5-10	500	5-20	2-3
2000	700	1000	8-12	1000	15-30	4-5
3000	900	1800	8-12	1500	15-40	5-6
4500	1200	2500	10-20	2000	18-50	7-8
6000	1500	2800	10-20	2500	18-60	10-12

PET Flake Quality Reference Table

Moisture Content	<0.9%	Label	<20ppm
PVC	20-50ppm	Color PET	50ppm
Glue	<10ppm	PH	Neutral
PP/PE	<20ppm	Bulk Density	0.28-0.3g/cm ³
Metal	<20ppm	Flake Size	8-14mm



Bale Opener

Horizontal and Vertical type. It is used for open PET bottle package, which can improve working efficiency and reduce cost of labor.



Model	Max Capacity (Kg/H)	Power (KW)	Bottle Bale Size (mm)	
LCD1000	1500	17.2	1200x1200x2000	Vertical Bale Opener
CBJ3000	3000-4000	15	1200x1200x2000	Horizontal Bale Opener
BCBJ5000	4000-6000	50	1200x1200x2000	European style
BCBJ6000	4000-8000	50	1200x1200x2000	Bale Opener

Trommel

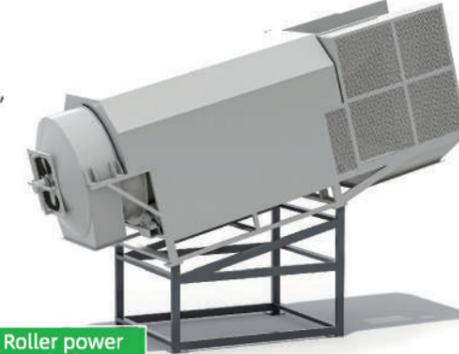
It is mainly used to separate soft and rigid materials, bottles, films and impurities, etc.



Model	Max Capacity (Kg/H)	Power (KW)	Diamete (mm)
GTFL-300	1000	3	Φ1000
GTFL-1000	3000	5.5	Φ1500
GTFL-1800	5000	7.5	Φ1800
GTFL-2100	8000	11	Φ2100

Label Blower

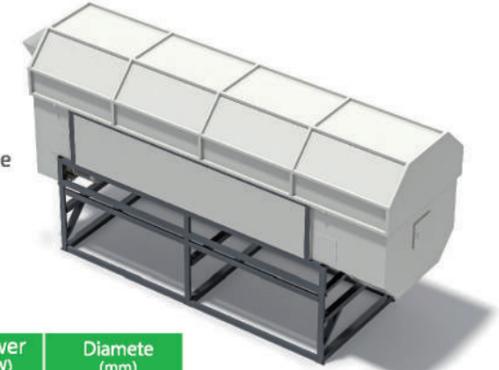
Under the action of the axial flow fan, the labels separated from the PET bottles are collected at the outlet.



Model	Capacity (Kg/H)	Roller power (KW)	
CBJ7000	5000-7000	7.5	
Blower power (KW)	Roller diameter (mm)	Roller length (mm)	Roller rotate speed (rpm)
2.2	1800	3700	11.5

Pre-Washer

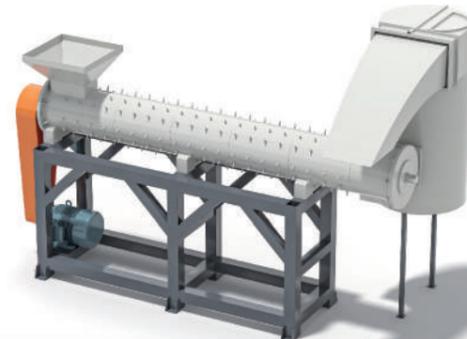
Pre-washing the whole bottle, removing the majority of impurity. Better for the accurate sorting in the next step.



Model	Capacity (Kg/H)	Power (KW)	Diamete (mm)
GTQJ1500	1000-3000	7.5	Φ1500
GTQJ1800	3000-5000	11	Φ1800
GTQJ2100	6000-8000	15	Φ2100

Label Remover

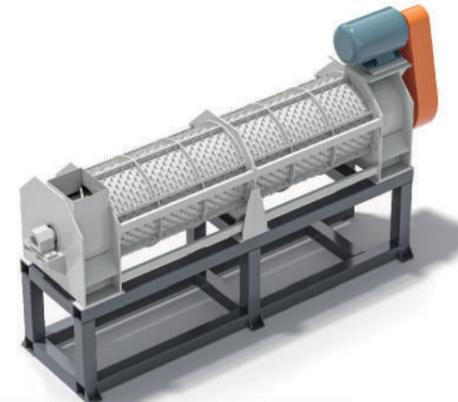
Removing label of PET bottle with high efficiency, which can reduce the pollution from non-PET material.



Model	Max Capacity (Kg/H)	Power (KW)	Label Separation Rate	Label Separation Rate (Compressed Bottle)
TBJ500	500	14	≥95%	≥90%
TBJ1000	1000	20.5	≥95%	≥90%
TBJ2000	2000	37.5	≥95%	≥90%

Label Remover

Removing PVC PP PE label of the PET bottle with large capacity and high efficiency, which can reduce the pollution from non-PET material.



Model	Max Capacity (Kg/H)	Power (KW)	Label Separation Rate	Label Separation Rate (Compressed Bottle)
TBJ3000	3000	45	≥95%	≥90%
TBJ5000	4500	55	≥95%	≥90%

Grinder

Special design for PET, powder rate is low and the blade is made by imported materials, which have longer using life and more convenient for blade changing.



Model	Max Capacity (Kg/H)	Power (KW)	Qty. of Rotary Blade	Qty. of Fixed Blade	Rotor Diameter (mm)
PSJ800	500	37.37	6	4	Φ610
PSJ1200A	1000	76.5	10	4	Φ630
PSJ1200B	1500	92.2	9	4	Φ700
SGP700X1200	2000	119.7	9	4	Φ700

Hot Washer

Through input high temperature and high pressure steam, add chemical Medicament, like NAOH, cleaner and etc., efficiently remove glue and oil in the surface of PET flake.



Model	Capacity (Kg/H)	Power (kw)	Volume of hot chamber (m³)
RQXJ500	500	6.2	2.93
RQXJ1000	1000	9.5	4.07
RQXJ2000	2000	9.5	4.07
RQXJ3000	3000-4000	13	5.4
RQXJ5000	5000-6000	18.5	10



Low Speed Friction Washer

The friction washer can separate adhesives and fine impurities from the bottle flakes through friction and centrifugal action to obtain purer raw materials.



Model	Max Capacity (Kg/H)	Power (kw)
DLJB450	500/1000/2000	11/15/18.5
DLJB500	3000/6000	18.5/30

Floating Washer

Washing PET bottle & Removing impurity in bottle cap, bottle ring, label and flake.



Model	Max Capacity (Kg/H)	Power (kw)	Quantity of thumbwheel	Model	Max Capacity (Kg/H)	Power (kw)
CQXJ500	500	3.55	3	WCQX-2000	3000	8.1
CQXJ1000	1000	3.55	3	WCQX-3000	5000	8.1
CQXJ2000	2000	4.55	3	WCQX-5000	6000	10.1
CQXJ3000	6000	6.05	3			
CQXJ5000	8000	8.05	3			

Spin Dryer

Spin dryer will throw the material with water to the screen fixed in the machine chassis through the centrifugal force formed by the high-speed rotating rotor to separate the material and water.



Model	Max Capacity (Kg/H)	Power (kw)
HSD600	2000/3000	37/45
HSD800	4000/9000	55/75

Zig Zag Separator

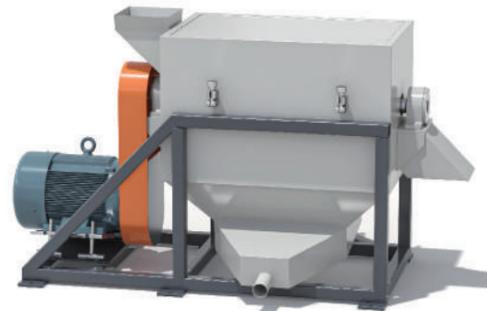
Special design for removing the remaining Label.



Model	Max Capacity (Kg/H)	Power (kw)	Function
BQFL-600	500/1000	4/5.5	separate dust and some labels
BQFL-600S	2000	5.5+5.5	
BQFL-800S	3000-4000	7.5+7.5	

Centrifugal Dryer

Horizontal type, high speed: 2300rpm. Much more efficient than the traditional vertical type.



Model	Max Capacity (Kg/H)	Power (kw)	Moisture
TSJ500	500	11.37	1.20%
TSJ1000	1000	22.37	1.30%
TSJ3200	2000	37.75	1.40%

Model	Max Capacity (Kg/H)	Power (kw)	Moisture
TSJ3500	3500	55.75	1.60%
TSJ4000	4000	55.75	1.80%
TSJ4500	6000	90	1.80%

High Speed Friction Washer

By rotating at high speed, the bottle flakes and the screw rub against each other, which can separate the bottle flakes from dirt and labels to achieve the purpose of cleaning.



Model	Max Capacity (Kg/H)	Power (kw)
DLJ600	1000	15
DLJ3000	1000/2000/3000	30/37/45
DLJ4000	4000/6000	55/75

Flake Bucket Conveyor

Vertical Flake Chain Conveyor is lifting materials by a series of drawer fixed uniformly on the chain, advantage: small floor space, high lifting height, stable operation for conveying plastic granules, flakes.



Model	Max Capacity (Kg/H)	Power (kw)
JW-6	1500	1.5
JW-10	4500	2.2
JW-15	6000	3

Vibrating Packing System

Vibrating packing system is a device for packing the flakes into the double-station ton bag units. with automatically vibrates down after a certain load bearing to increase the effective packing density of the ton bag.



Station number	Bale process size (LengthxWidth)	Bale process height (mm)
2	1200x1200	1200-3800

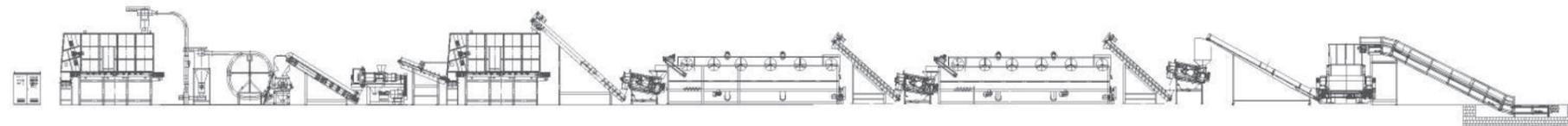
8000KG/H FOOD GRADE Plastic Recycling Solutions



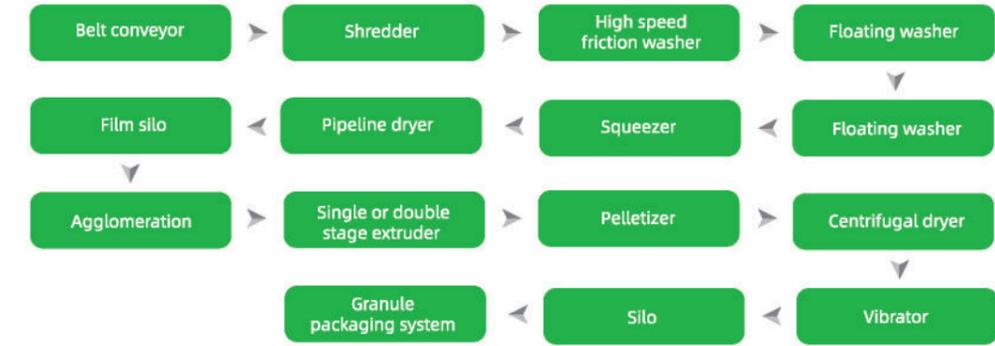
PP/PE SOFT MATERIAL WASHING LINE



In terms of volumes, one of the largest sections in film recycling is certainly composed by post-consumer film waste. Post-consumer film quality can significantly vary according to the market conditions and mainly depends on the type of collecting and pre-sorting systems which are employed by the recyclers. The material collected may present different degrees of humidity and contamination. In addition, waste film is often in very different printing conditions and shapes.



The main contaminations to be treated in post-consumer film are represented by the high quantity of organics as well as different polymers (such as multi-layers and PP). For example, multi-layer films are composed of a variety of materials, and often even contain metallic components. For these films to be treated, a preliminary sorting section should be foreseen. PE film is used abundantly in the packaging industry, meaning that it reaches most households as a container for many items of daily use. PE films may serve as wraps to preserve food, garbage bags, grocery bags and goods packaging. PP films are also widely used as food wraps as well as woven bags. Beier Machinery film washing lines can assure a precise and efficient decontamination of the post-consumer film with both cold and hot washing systems, adopting the most efficient recycling technologies. The final target of post-consumer film recycling is to obtain the highest valorization of a very poor starting product, deriving mostly from waste collection. Beier Machinery film washing line can properly treat any contaminated post consumer film and bring the final output washed flakes back to be reused (alone or blended with other materials) even in new film blowing applications.

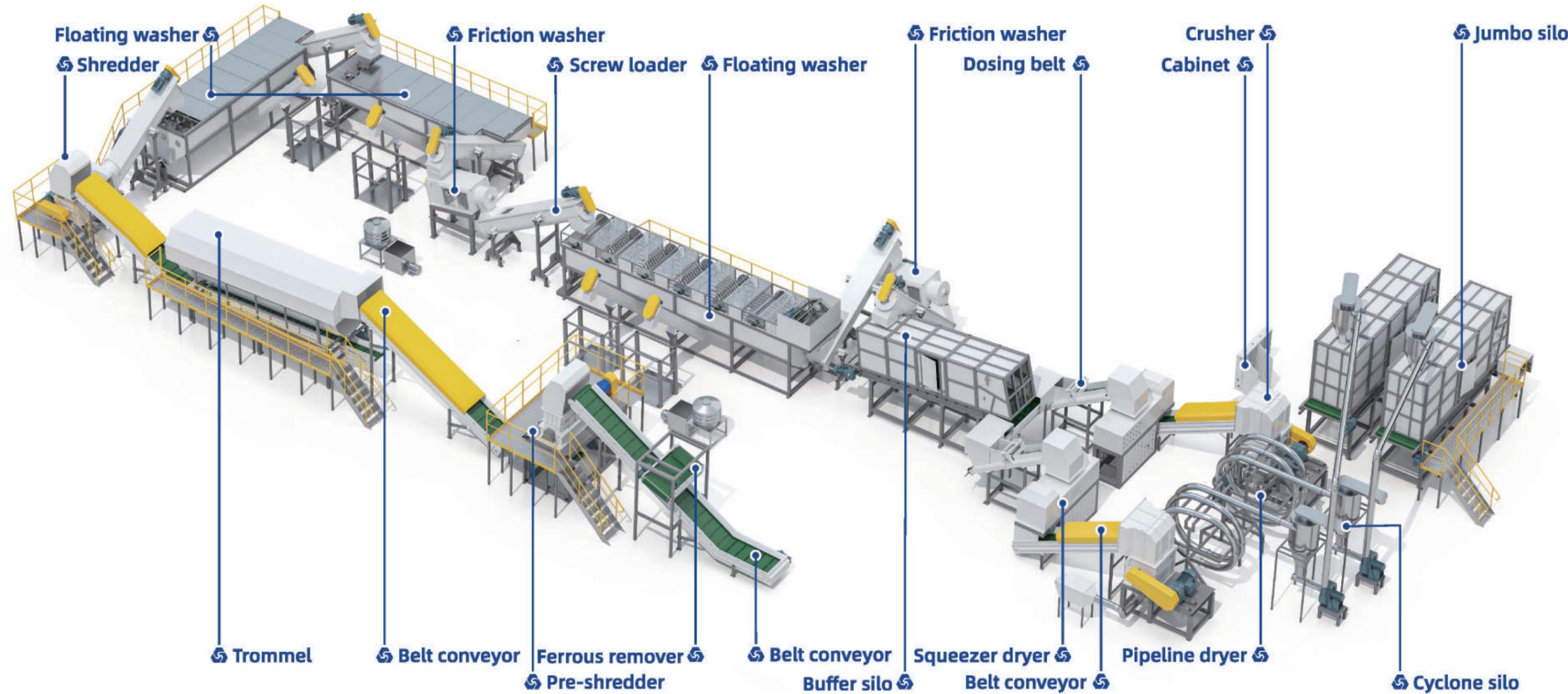


- Adopts PLC automated intelligent control.
- High Output with Low Energy Consumption
- Reliable Machinery and Easy Maintenance
- Specially Designed Key Machines for a wide range of materials.

Estimated Plant Parameters

Capacity(kg/h)	Power Installed(kw)	Required Area(m ²)	Manpower	Compressed Air(m ³ /min)	Water Supply(m ³ /h)	Product size	Moisture
500	300	400	4	0.6	8-10	45-80mm	max 5%
1000	500	450	6	0.6	10-15	45-80mm	max 5%
2000	840	1300	6	0.6	15-20	45-80mm	max 5%

PP/PE SOFT MATERIAL WASHING LINE



Pre-Crusher

The selected film is shredded for the first time

Model	Max Capacity (Kg/H)	Power (kW)	Processed film size (mm)	Dimension (mm)
YSS1400	1500-2000	90-110	50X50	3600×1800×3080



Squeezer dryer

Squeeze the wet material and remove moisture

Model	Max Capacity (Kg/H)	Power (kW)	Moisture	Dimension (mm)
JG1000	800-1200	90+3	Max 5%	4050×1140×2815
JG500	500-600	55+3	Max 5%	4050×1140×2815



High Speed Friction Washer

Through high-speed rotation and friction, dust, oil and other impurities on the surface of the film can be effectively removed.

Model	Max Capacity (Kg/H)	Power (kW)	Dimension (mm)
MC1000	500-2000	18.5-45	2800×1330×2100



Floating washer

The Floating tank achieves the purpose of film cleaning and separation according to different specific gravities, removes impurities and dust, and separates clean films.

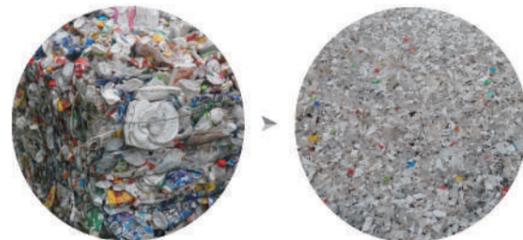
Model	Max Capacity (Kg/H)	Power (kW)	Dimension (mm)
BPXJ1500	500	19.2	7000×1500×3070
BPXJ1800	1000	19.2	8000×1800×3070
BPXJ18100	2000	23.2	10000×1800×3070





PP/PE HARD MATERIAL WASHING LINE

ABS/PS/Home appliance/battery case washing line



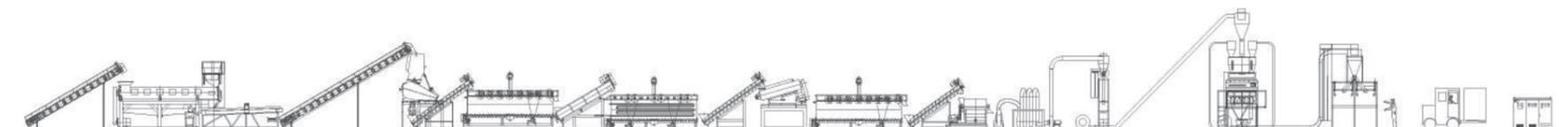
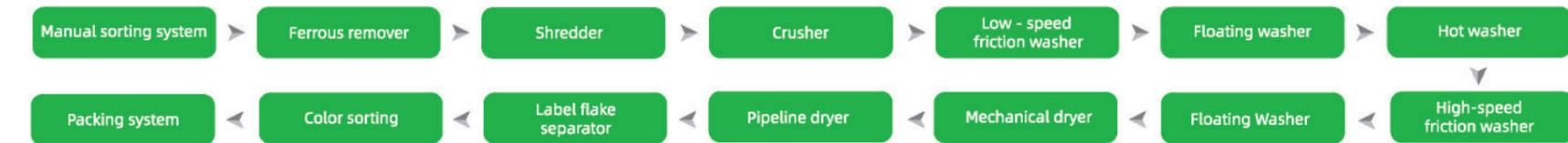
Estimated Plant Parameters

Capacity (kg/h)	Power Installed (kw)	Required Area (m ²)	Manpower	Compressed Air (m ³ /min)	Water Supply (m ³ /h)
500	162	500	4	0.4	3
1000	250	800	4	0.4	4
2000	368	1000	4	0.4	4
3000	452	2100	6	0.4	6

• Particle size: 8-14mm • Moisture: 1%



Regarding PE/PP bottle recycling, one of the main application is surely blow molding application, as this became for the investors one of the most important final applications in terms of investment returns and of positive results. The most common applications of PE bottle are milk and food containers, detergent bottles, body care as shampoo bottles, and motor oil bottles. PE is also used for PET bottle caps. In this hard material section, Beier Machinery can process PP/PE recyclable products like PP/PE post consumered containers, pipes, other blow molding applications. Beier machinery hard material washing line is consisting in sorting prewashing, wet grinding, hot washing, separation, centrifugation and drying. then it can be conveyed to Beier Machinery pelletizing system for further recycling process.



WASTE FROM ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) RECYCLING SOLUTION

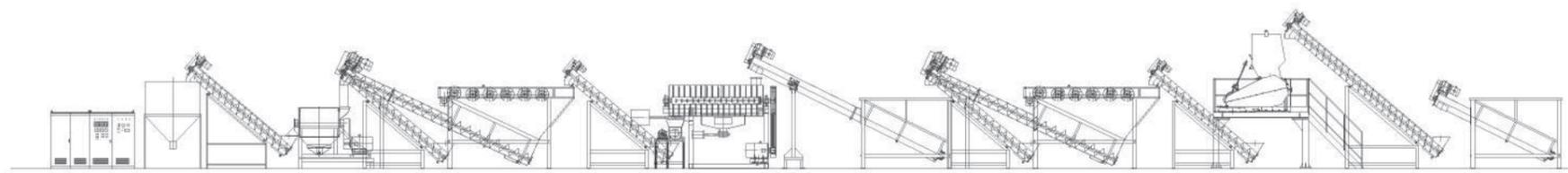


ABS/PP/PS Wasted Home appliance washing and recycling line

Capacity (kg/h)	Install power (kw)	Manpower	Recycling water (t/h)	Compressed air (m ³ /min)
500	110	2-3	3	3
1000	150	2-3	4	5
2000	270	3-4	6	8
3000	390	5-6	7	12
4000	530	6-7	8	16
6000	800	6-8	10	21



Mainly used for the crushing, cleaning and recycling of the shells of waste home appliances Such as TVs, refrigerators, air conditioners and other rigid plastics. According to the characteristics of hard plastics (ABS/HIPS/PP), In terms of cost, output and production technology, BEIER provides clients with a variety of complete recycling solutions such as crushing, cleaning, and granulation.





WASTE POWER BATTERY CASE CRUSHING RECYCLING LINE

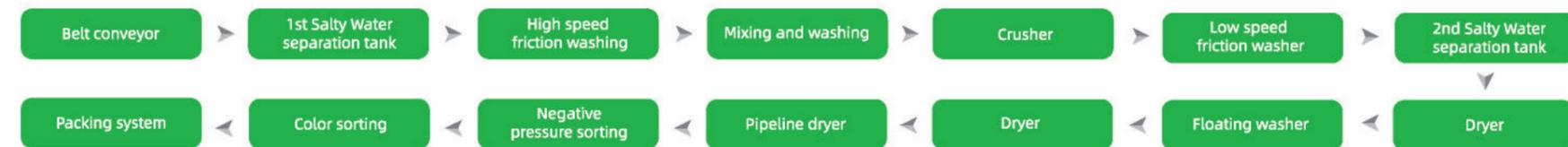
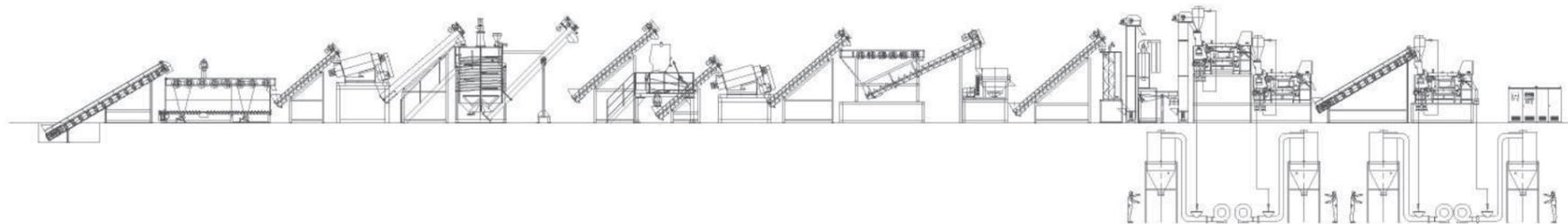


Design for wasted battery case washing, recycling and pelletizing. Batteries are widely used in automobiles, electric vehicles, household lighting and other industries. Large quantities of batteries are scrapped every year and need to be disposed of. The BEIER Machinery battery case recycling and washing line is developed to crush, separate, recycle, and pelletize the battery case for recycling.



ABS/PP/PS Wasted battery case washing and recycling line

Capacity(kg/h)	Install power(kw)	Manpower	Recycling water(t/h)	Compressed air(m ³ /min)
500	110	2-3	3	3-8
1000	150	2-3	4	5-10
2000	270	3-4	6	10-15
3000	390	5-6	7	15-25
4000	530	6-7	8	20-25
6000	800	6-8	10	35-40





Granulation Methods

Hot Process

Water Ring

underwater

Cold Process

Air Cooling

Strand

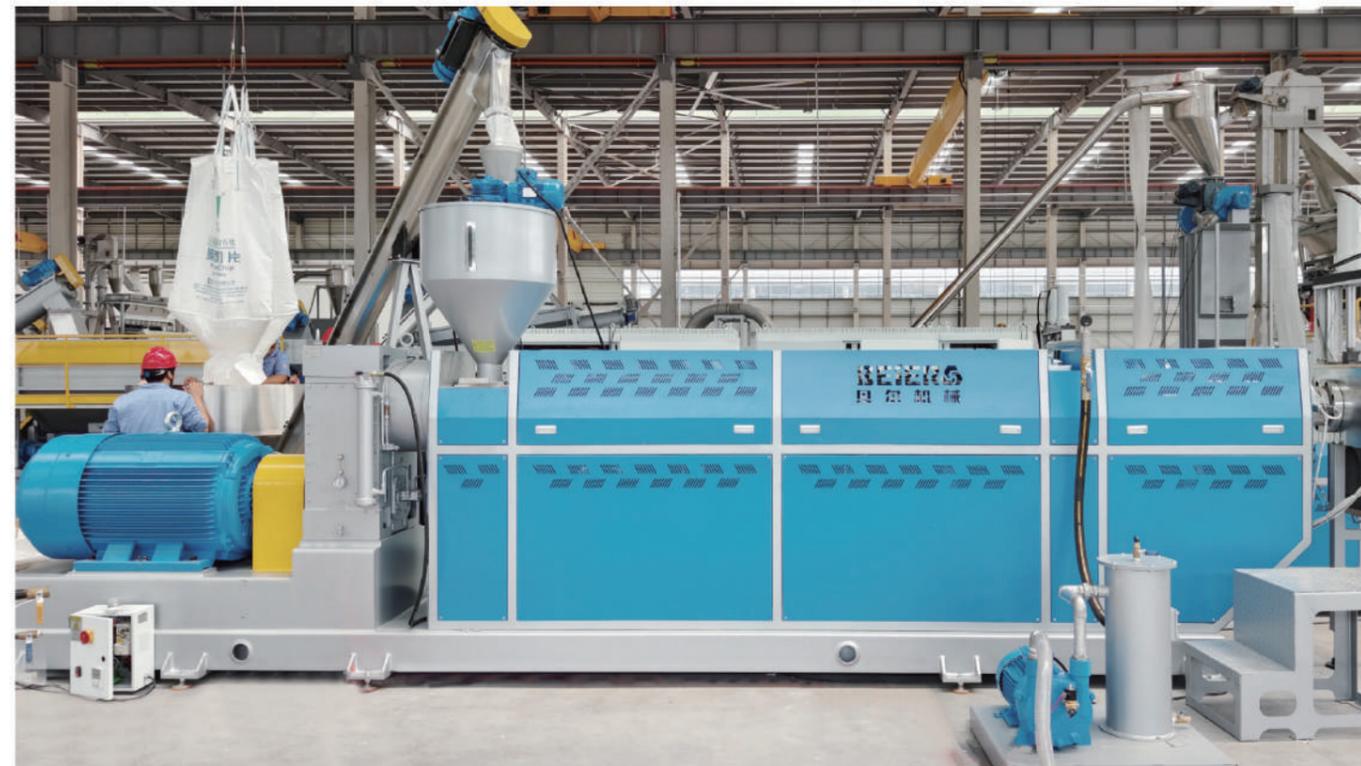
Plastic granules which processed by pelletizing line from wasted plastic material was only changed the physical shape, it still remain the exactly same chemical property as the virgin. thus,recycled plastic granules can be re-used into plastic production, such as blow molding, injection molding and extrusion etc. it is used in products and packaging such as plastic bags, milk jugs, detergent bottles, margarine tubs, garbage containers, water pipes, woven bag, raincoat, polyethylene monofilament, woven yarn etc.. the most poplular PE resins are made by high pressure autoclave process and mainly used for blown film extrusion and wire coating (cable sheath) etc.. They are widely used for applications for general purpose packaging films, heavy duty bags, shrink films, and foams. for other pellet can apply mainly in the following fields: clothing industry, construction material, agriculture, mechanical industry, chemical industry, electrical industry and telecommunication industry etc.

COMPREHENSIVE PLASTIC RECYCLING SOLUTIONS





Plastic Flake Pelletizing Line



Applications: PE, PP, ABS, PS, HIPS, etc.

Flake pelletizing line

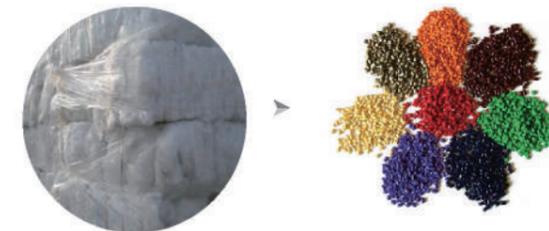
Model	Power	Capacity	L/D
SJ90	75kW	100kg/H-200kg/H	31:1
SJ100	90kW	200kg/H-280kg/H	31:1
SJ120	132kW	300kg/H-450kg/H	31:1
SJ150	185/250kW	500kg/H-900kg/H	31:1
SJ150	315kW	900kg/H-1100kg/H	31:1

Double stages flake pelletizing line

Model	Power	Capacity	L/D
SJ90+SJ120	75kW+22kW	100kg/H-200kg/H	31:1/10:1
SJ100+SJ120	90kW+30kW	200kg/H-280kg/H	31:1/10:1
SJ120+SJ150	132kW+37kW	300kg/H-450kg/H	31:1/10:1
SJ150+SJ180	185/250kW+55kW	500kg/H-900kg/H	31:1/10:1
SJ150+SJ200	315kW+90kW	900kg/H-1100kg/H	31:1/10:1

Agglomeration Pelletizing Line

1. PE, PP film, woven bag, non-woven fabrics recycling;
2. Automatic PLC controlling for the flow of feeding film into compactor;
3. With individual temperature controlling on compactor, cooled by fan;
4. With the characteristic of compact structure, convenient operation, stable performance.



Film Agglomeration pelletizing line

Model	Power	Agglomerate Power	Capacity	L/D
SJ100	90kW/110kW	55kW	300kg/H-380kg/H	36:1
SJ125	160kW/185kW	90kW/110kW	500kg/H-650kg/H	36:1
SJ150	185kW/220kW	90kW/110kW	550kg/H-700kg/H	36:1
SJ160	250kW/280kW	132/160kW	850kg/H-1000kg/H	36:1
SJ180	280kW/315kW	160kW/200kW	1000kg/H-1300kg/H	36:1



Double stages film Agglomeration pelletizing line

Model	Power	Agglomerate Power	Capacity	L/D
SJ100+SJ120	90kW/110kW+30kW	55kW	300kg/H-380kg/H	36:1/10:1
SJ125+SJ150	160kW/185kW+37kW	90kW/110kW	500kg/H-650kg/H	36:1/10:1
SJ150+SJ180	185kW/220kW+55kW	90kW/110kW	550kg/H-700kg/H	36:1/10:1
SJ160+SJ200	250kW/280kW+90kW	132/160kW	850kg/H-1000kg/H	36:1/10:1
SJ180+SJ200	280kW/315kW+110kW	160kW/200kW	1000kg/H-1300kg/H	36:1/10:1



Strand Pelletizing Line

Applications:

Fiber Reinforcement: glass fiber, carbon fiber reinforced PP, PA, PBT, ABS, AS, PC, POM, PPS, PET, etc.

Polymer Blending: blending of PC/ABS, PA/ABS, PP/EPDM, PA/EPDM, PP/SBS, etc. Incorporation of Fillers: CaCO₃, Talc, TiO₂, carbon black filled PE, PP, or EVA etc.

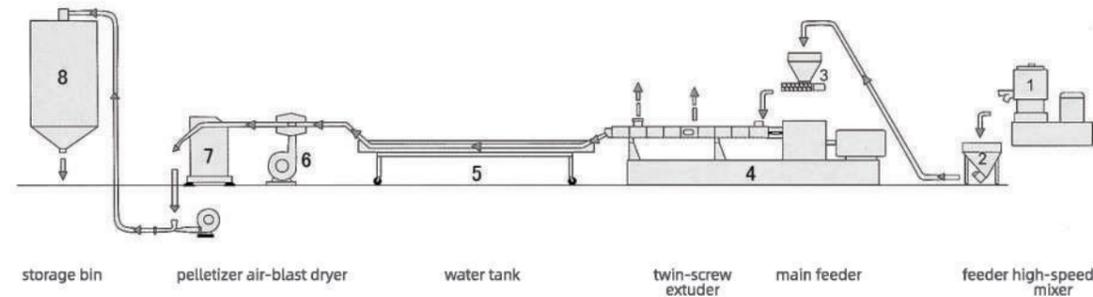
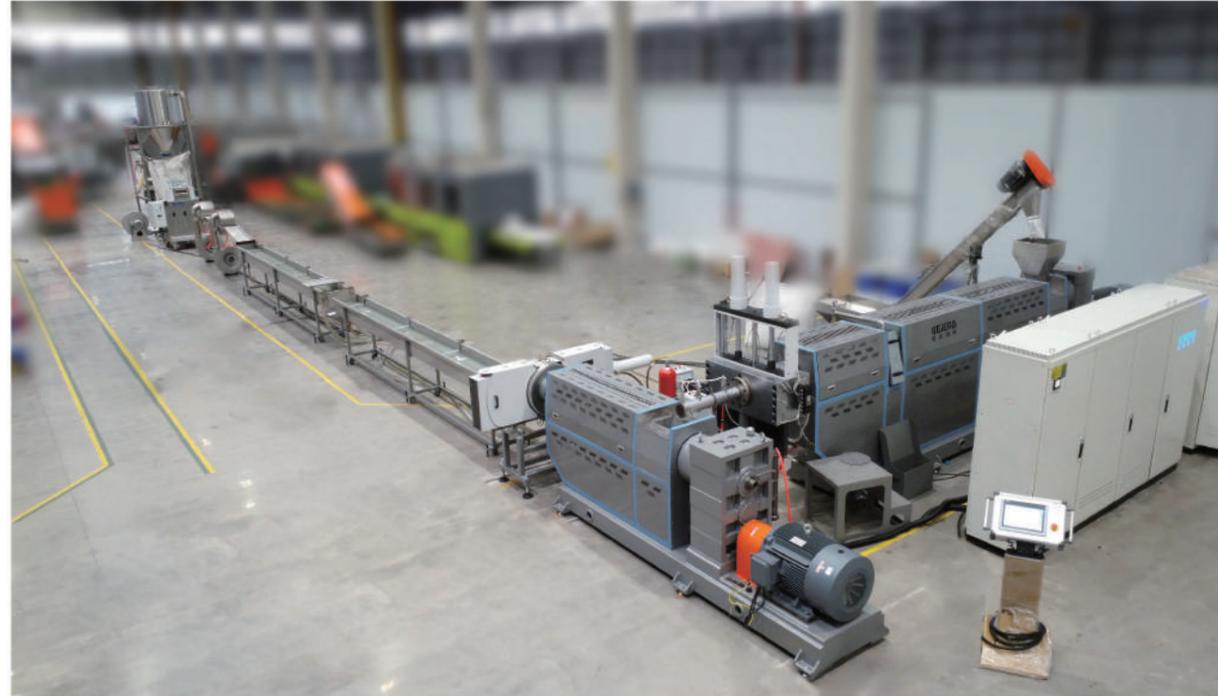
Cable Compounds: cable sheath, cable insulation compounds of LDPE, HDPE, LLDPE, MDPE; radiation-crosslinkable compounds, optical fiber protection compounds, heat-shrinkable polymer compounds. Special Compounds: PPR pipe compounds, PE compounds for crosslinked pipes, tobacco filter compounds etc.

High Concentration Color Masterbatches: PE, ABS, PS, EVA, PET, PP etc. with high concentration of pigments and other processing aids.

Masterbatches with Flame-Retardants: PP, PA, ABS, EVA, PBT, etc. with flame retardants and other additives.

Special Functional Masterbatches: Masterbatches with anti-static, antibacteria, or other special functional fillers.

Masterbatches for Degradable Polymers: PP, PE, PS, etc. blended with high concentration of starch and other processing aids.



Under-water Pelletizing Line

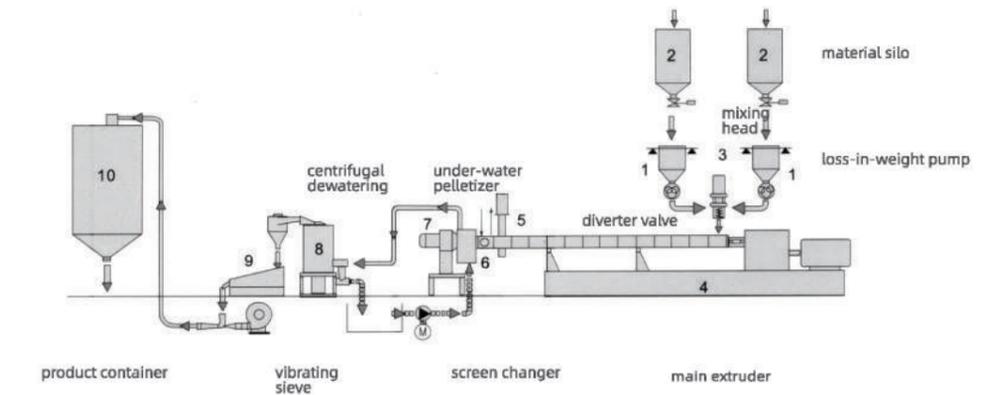
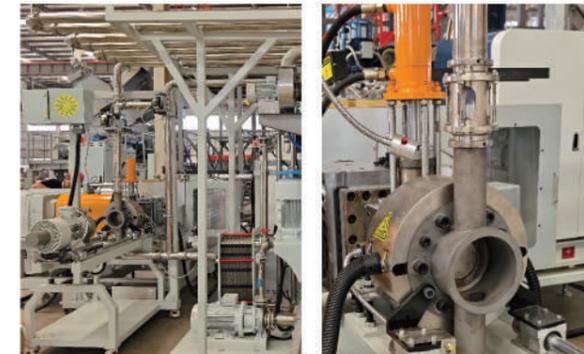
Applications:

underwater pelletizing system for plastic has excellent mixing performance, good self-cleaning performance and flexible modular configuration characteristics which make them suitable for processing different types of materials.

Micro Pellet: 0.2mm-1.0mm

Regular Pellet: 1.0mm-5.0mm

Macro Pellet: above 5mm

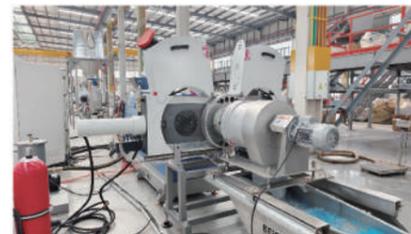




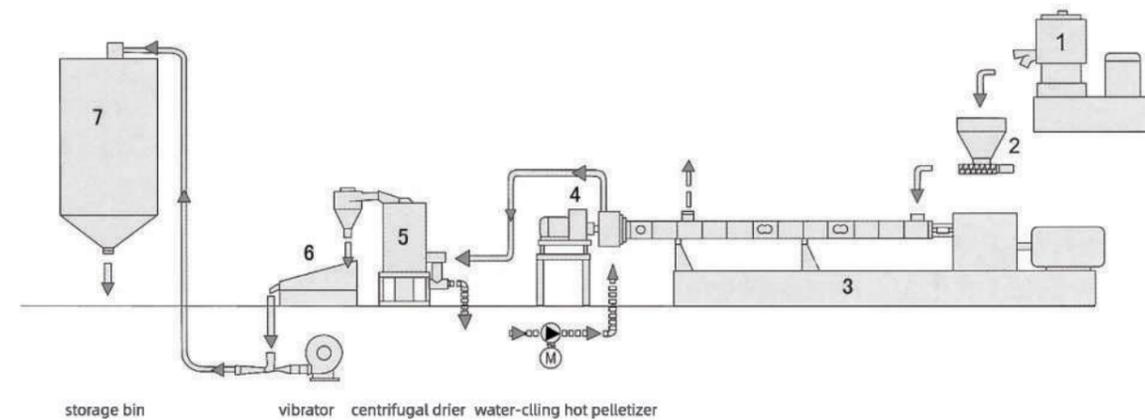
Water-ring Die-face Pelletizing Line LDPE/LLDPE Film PP Jumbo Bag/Raffia

Applications:

Enforcing modification: PE, EVA etc. + CaCO₃, Talc, TiO₂, Carbon black.
 PPR, PE-X pipe compound.
 TPR, TPU thermoplastic flexible compound, EVA.
 Master batch: PE, ABS, PS, EVA.
 Functional master batch: ABS, PE, PP, EVA.



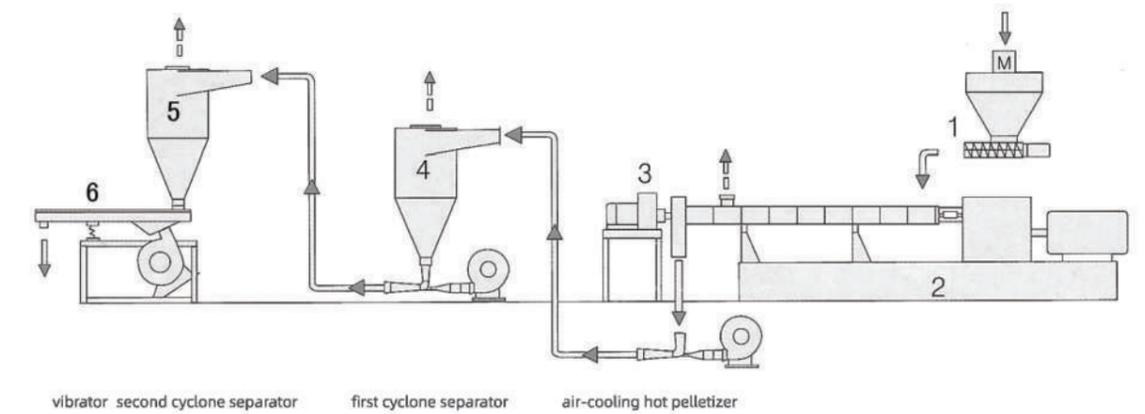
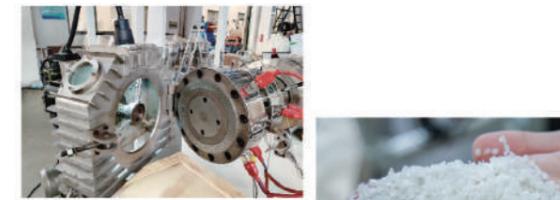
Shredder And Pelletizing Line



Air-cooling Die-face Pelletizing Line

Applications:

Enforcing modification: PVC, PE, EVA etc. + CaCO₃, Talc, TiO₂, Carbon black.
 Degrading master batch: PE, PS etc. + amyllum, additives.
 Fire-proof master batch: PE, EVA etc. + fire-proof additives.

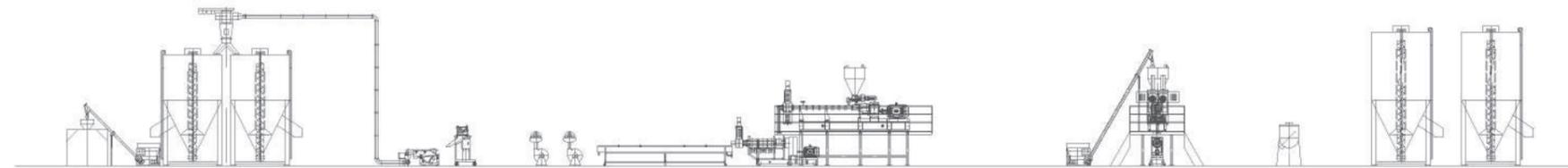




PET Flake Pelletizing Line



The co-rotating parallel twin screw units are used for compounding materials where thorough mixing is important. Co-rotating twin-screw extruders usually have modular configurations, which makes the equipment quite flexible for adapting to changing applications and material properties



Parallel Twin Screw Extruder for Compounding

TSK-B Series Parallel twin screw extruder

Model	Diameter(mm)	L/D	rpm	Motor Power(kw)	Single screw torque(N·m)	Torque Level(T/A ³)	Capacity(Kg/h)
TSK-35B	35.6	32-68	400	15	175	6.48	10-55
			500	18.5	174	6.44	10-90
			600	22	173	6.41	15-110
TSK-50B	50.5	32-68	400	37	438.4	5.92	60-200
			500	45	417	5.63	75-230
			600	55	433.4	5.85	80-247
TSK-65B	62.4	32-68	400	75	862	6.13	150-375
			500	90	832	5.92	180-450
			600	110	850	6	220-550
TSK-75B	71	32-68	400	110	1312.67	6	220-550
			500	132	1241	5.75	280-650
			600	160	1261	5.74	330-700
TSK-95B	91	32-68	400	280	3236.4	6.82	600-1260
			500	315	2903	6.12	700-1400
			600	355	2797	5.89	850-1800

