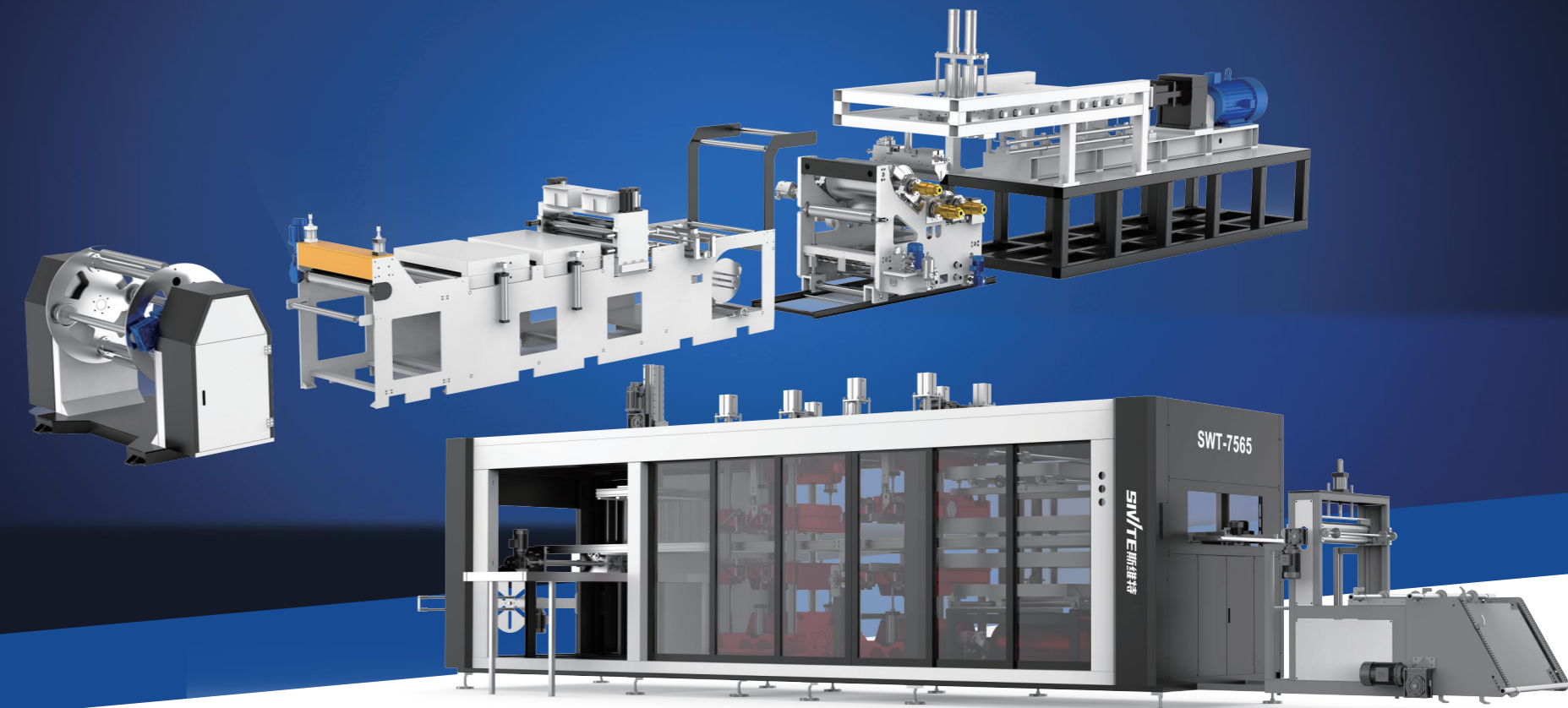




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PET PP PS PLA Sheet Extrusion Production Line Series

Plastic Thermoforming Machines/ Plastic Cup Making Machines

Crushing Recycling And Auxiliary Machine Series

Dongguan Sweet Intelligent Manufacturing Co.,Ltd

Company Profile



Dongguan Taizhang Machinery Co.,Ltd (Dongguan Sweet Intelligent Manufacturing Co.,Ltd) was established in 2010 and Locate in Dongguan City which known as ' world factory' . Taizhang has been focused on the research, development, production, sales, and service of plastic machinery products for 15 years, including plastic PET PP PS PLA single-layer sheet extrusion lines & multi-layer co-extrusion sheet lines, semi-auto thermoforming machines, fully-auto multi-station integrated thermofromging machines, plastic cup-making machines, automatic plastic up production lines and crushing recycling equipment. The products have obtained EU CE certification and ISO 9001 certification, and are exported to over 80 countries, including Brazil, Thailand, Malaysia, South Korea, Chile, and the United States.

Plastic Sheet Extrusion ProductionLineSeries

- ◆PET single-layer or multi-layer co extruded sheet production lines
- ◆PP,PS single-layer or multi-layer co extrusion sheet Production lines
- ◆PLA environmentally friendly degradation Sheet Extrusion Lines
- ◆Sheet Production line for ABS,HIPS automotive interior panels,refrigerator panels,and luggage panels
- ◆PC,PMMA,GPPS sheet production lines,sheet production lines

Crushing recycling and auxiliary machine series

- ◆Crusher
- ◆Mixer
- ◆Dehumidifying and drying machine
- ◆Chiller mold temperature machine

Thermoforming Machines Series

- ◆High speed semi-auto thermoforming machines
- ◆Fully-auto multi-station integrated thermoforming machines
- ◆Plastic cup making machines / Plastic Cup Production Line Solution



The company has multiple advanced automated production lines, achieving precision during the manufacturing process that ranks among the best in the industry. With efficient, fast, and orderly modern management, the company keeps engineering errors to a minimum, ensuring excellent product quality and providing satisfactory service to customers.



PRODUCTION WORKSHOP



ENTERPRISE HONOR

企业荣誉

Honor means shouldering greater responsibility.
It reflects the glory of our past, records our achievements
today, and establishes a new starting point for tomorrow.



CORPORAT CULTURE

Business philosophy:sincere,condensed wisdom,shared value,-
sustainable management

Code of conduct:the sense of mission success team

Values:to create value for customers,for employees to create life



Victory, is a breakthrough!
Passion for life, never because of silence and cooling;
TANZ people believed, the best offense is their offensive.

PET Single Sheet Extrusion Production Lines (with planetary screws design, Do not need crystalizing and drying)

Functional Features

- ◆ Adopt Taiwan's independently developed high-speed and high-capacity planetary exhaust screw. No crystallization drying required. The forming part of the pressure roller is made of alloy steel with different thermal conductivity. Through special manufacturing technology and heat treatment process, the temperature of the roller is uniform, the heat dissipation speed of the rod surface is fast, the material does not stick to the roller, and the product molding speed is fast, which is suitable for high production capacity and high quality applications.
- ◆ The thickness adjustment of the colliding machine sheet adopts an automatic adjustment system, and the mechanical roller has anti-collision protection function.
- ◆ Electronic hand wheel operation is used to achieve quick and easy single-sheet specification conversion without cumbersome operations. Sheet adjustment accuracy is up to 0.005mm
- ◆ The standard machine of the fully automatic sheet winding machine can roll up to 500 kilograms of sheet material with a diameter not exceeding 800mm. Winding machines with larger weight and diameter can also be customized. Our company has also developed an automatic winding machine,

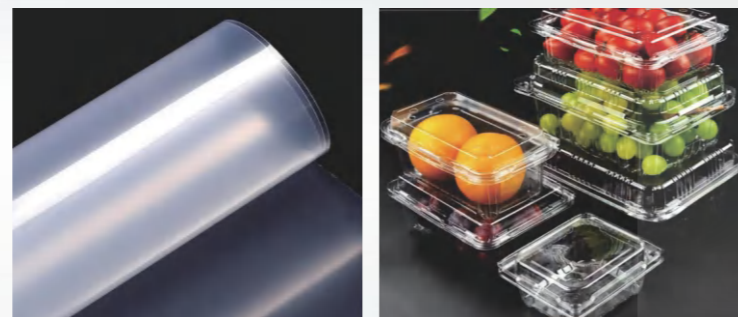
Scope Of Application

- ◆ PET plastic sheet has the characteristics of high transparency, non-toxic and odorless and environmentally friendly, and is especially suitable for easy recycling of PET in food packaging or other packaging fields. PET is currently an ideal thermoforming packaging material and is widely used in suction packaging, food packaging, hardware packaging, pharmaceutical packaging, electronic white packaging and other fields.
- ◆ However, during the extrusion process, PET's hygroscopic properties may reduce product quality. The single-screw model has efficient vacuum exhaust capability. The biggest advantage over twin-screw extrusion equipment is that the planetary exhaust screw combination structure effectively reduces the

Technical Parameter

Model	Applicable material	Screw spec	Sheet thickness (mm)	Sheet width	Max extrusion volume (kg/h)	Installed capacity (kw)
TANZ-100PET	PET	Φ100	0.2-1.6	≤850	200-300	210
TANZ-120PET	PET	Φ120	0.2-1.6	≤850	400-500	250
TANZ-130PET	PET	Φ130	0.2-1.6	≤850	600-700	435
TANZ-150PET	PET	Φ150	0.2-1.6	≤850	800-1000	460
TANZ-120/65PET	PET、PLA	Φ120/65	0.2-1.6	≤850	550-650	310
TANZ-150/70PET	PET、PLA	Φ150/70	0.2-1.6	≤850	800-1000	365

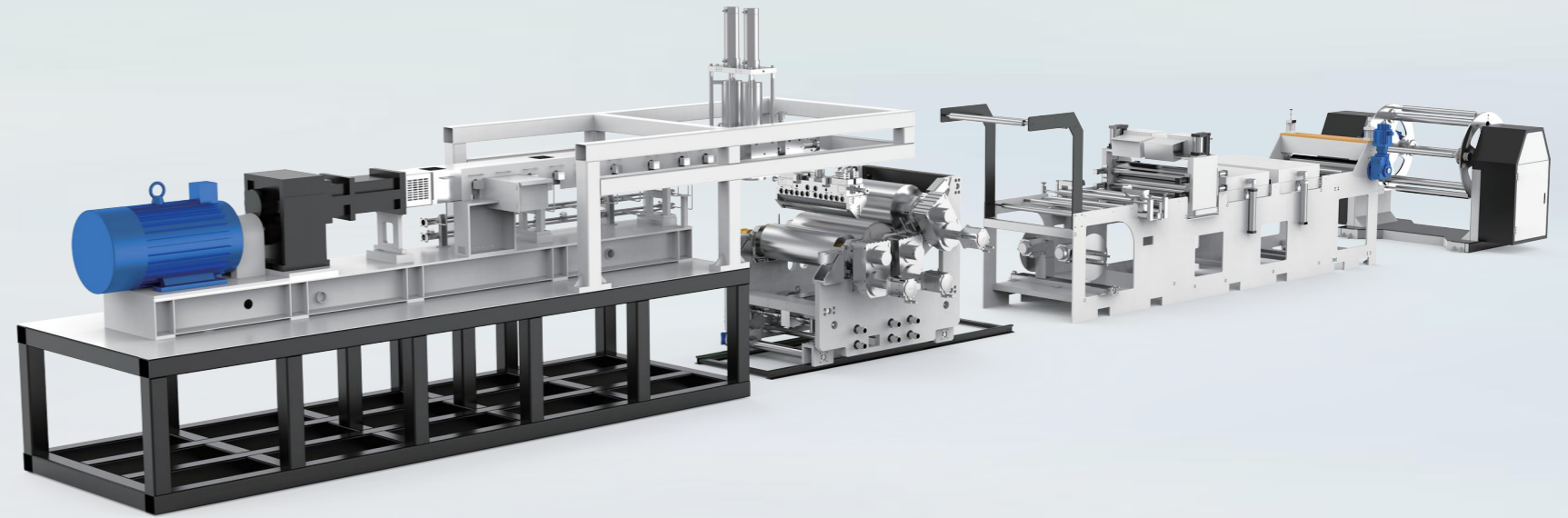
*Product specifications are subject to change without prior notice.



PET Parallel Twin Screws Sheet Extrusion Production Lines (No crystallizing and drying treatment required)

Functional Features

- ◆The production of PET and PLA sheets does not require a pre-crystallizing and drying system, and it is suitable for the production of secondary materials. It has the characteristics of high output, low energy consumption, and plasticization.
- ◆The screw is a building block structure, a multi combination, and the convenient maintenance of equipment is maintained. The machine is set with dual vacuum exhaust to ensure that the water and gas are exhausted fully. The symmetrical thin-walled roller simplifies improves the cooling efficiency and improves production capacity and sheet quality.
- ◆The extruder is equipped with a melt metering pump for stable output and features closed-loop automatic control of pressure and speed. The entire machine uses PLC control to achieve automated management of parameter settings, data calculations and feedback, alarms, and other functions.



Technical Parameter

Model	Applicable material	Screw form	Screw spec	Sheet thickness (mm)	Sheet width	Max extrusion volume (kg/h)	Installed capacity (kw)
TZS-75PET	PET, PLA	Building Block Type	Φ75	0.2-1.6	≤800	450-550	315
TZS-85PET	PET, PLA		Φ85	0.2-1.6	≤1000	600-800	380
TZS-95PET	PET, PLA		Φ92	0.2-1.6	≤950	1000-1200	495
TZS-105PET	PET, PLA		Φ100	0.2-1.6	≤950	1200-1500	505
TZS85-1200	Starch based degradable materials		Φ85	0.3-2.0	≤800	400-500	275

*Product specifications are subject to change without prior notice.



PP PS Sheet Extrusion Production Lines

Functional Features

The screw is designed using Taiwanese technology, featuring advantages such as forced feeding, high speed, high capacity, and excellent quality.

Scope Of Application

According to different product requirements, the PP/PS sheet extrusion production line can produce single-layer, double layer and multi-layer co-extruded sheet products, which are widely used in the field of food packaging and stationery, etc., PP transparent sheet,



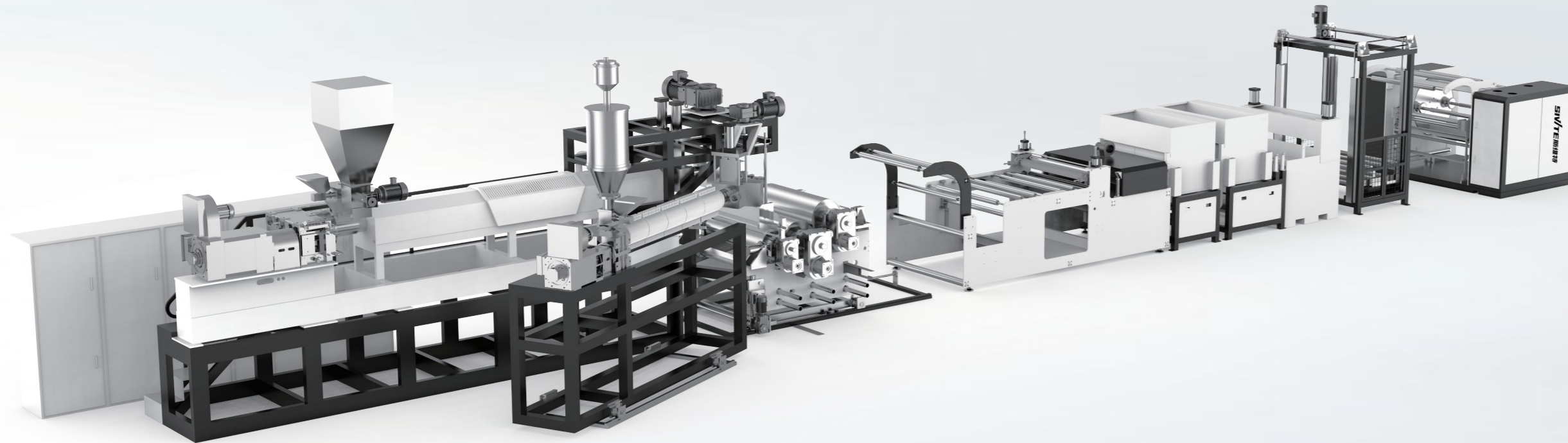
Technical Parameter

Model	Applicable material	Screw spec	Sheet thickness (mm)	Sheet width	Max extrusion volume (kg/h)	Installed capacity (kw)
TZNZ-100PP	PP, PS, PE	Φ100	0.2-2.0	≤850	PP:350 PS:400	210
TZNZ-120PP	PP, PS, PE	Φ120	0.2-2.0	≤850	PP:450 PS:550	250
TZNZ-150PP	PP, PS, PE	Φ150	0.2-2.0	≤850	PP:800 PS:900	350
TZNZ-120/65PP	PP, PS, PE	Φ150	0.2-2.0	≤850	PP:800 PS:900	460
TZNZ-150/70PP	PP, PS, PE	Φ150	0.2-2.0	≤850	PP:800 PS:900	550

*Product specifications are subject to change without prior notice.

Functional Features

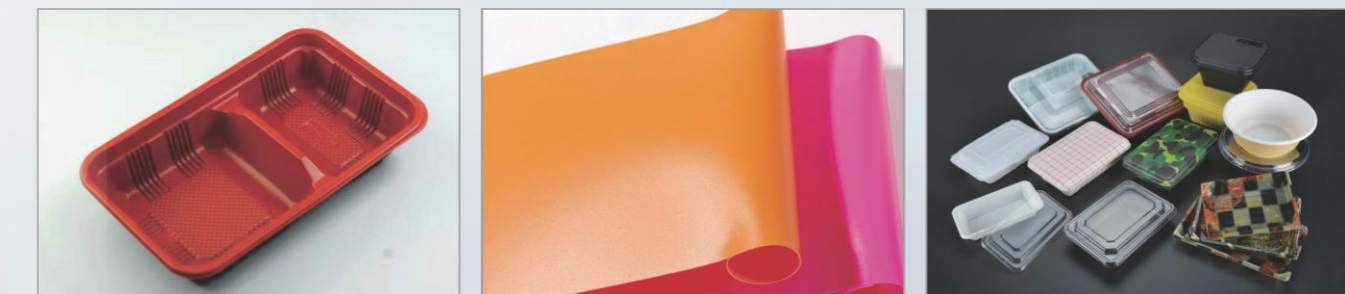
The multi-layer co-extruded sheet production line is equipped with multiple extruders and metering pumps, ensuring stable and precise extrusion. The PP, PS, and PE co-extruded sheets have excellent gas barrier and moisture barrier properties, making them one of the best plastic packaging materials for gas barrier. They are primarily used for packaging jelly, high-end meat products, fast food rice, pharmaceuticals, cosmetics, and more.



Technical Parameter

Model	TANZ100/45/45-1000	TANZ120/45/30/65-1200	TANZ150/45/45-1500
Suitable material	PP, PE, PET, PS	PP, PE, PET, PS	PP, PE, PET, PS
Width	800mm	1000mm	1200mm
Thickness	0.5-2mm	0.5-2mm	0.5-2mm
Thickness	300kg/h	400kg/h	650kg/h
Designed line speed	15m/min	20m/min	20m/min
Calendar diameter	Φ 400mm	Φ 500mm	Φ 600mm

*Product specifications are subject to change without prior notice.



PLA Biodegradable Sheet Extrusion Production Lines

Functional Features

1. The PLA sheet extrusion production line is suitable for the production of PLA (polylactic acid) and modified PLA. PLA, derived from plant resources, can be directly used for extrusion molding. Due to its biodegradable, compostable, and recyclable characteristics, PLA and modified PLA are widely used in various food packaging, hardware packaging, and other applications.
2. Equipped with a precision dispenser, the layers are evenly distributed, with adjustable layer ratios and high digital control accuracy.
3. The inclined horizontal tablet press structure facilitates easier operation and maintenance.
4. The rolls have independent power and synchronized closed-loop control of line speed and extrusion speed.
5. The entire machine uses PLC control for automated management of parameter settings, data calculations, feedback, alarms, and other functions.



Scope Of Application

1. Features of the biodegradable sheet production line: The screw adopts a gradient single-screw design, specifically designed for the melting of polylactic acid (PLA) and corn starch, with exhaust ports to address the special properties of the materials.
2. Process principle of the PLA biodegradable sheet production line: PLA and corn starch materials → Single-screw extruder: Raw material melting and plasticizing → Quick-change filter screen → Extrusion die for shaping and extrusion → Vertical triple extrusion.
3. Roller calender → Cooling molding device → Edge trimming machine → Traction conveyor → Automatic tension winding.



Technical Parameter

Model	Applicable material	Screw spec	Sheet thickness (mm)	Sheet width	Max extrusion volume (kg/h)	Installed capacity (kw)
TPLA-120	PLA, PET	Φ120	0.3-2.0	≤850	PP:450 PS:550	250
TPLA-150	PLA, PET	Φ150	0.3-2.0	≤850	PP:800 PS:900	435

*Product specifications are subject to change without prior notice.

Fully Automatic Positive And Negative Pressure Forming And Cutting Integrated thermoforming Machines (Three/Four workstations)

Functional Features

The fully automatic multi-station positive and negative pressure thermoforming machine utilizes vacuum forming technology for plastic sheets and features an integrated design of machinery, electricity, and pneumatics. It is controlled by a microcomputer and PLC, with an HMI for operation.

The three-station setup includes forming, cutting, and stacking, while the four-station setup adds hole-punching. This machine efficiently delivers plastic sheets in a single operation, reducing labor, simplifying operation, and enhancing production efficiency, making it ideal for thermoforming and automatic punching.

Scope Of Application

Suitable for forming thermoplastic materials such as PS, HIPS, PVC, PET, PP, PE, PS, KPS, GPET, and ABS with thicknesses ranging from 0.15 to 2.0 mm, this machine can process high transparency, high stretch, round, square, irregular, and bi-directionally stretched products. It can produce various plastic products including plastic lunch boxes, electronic trays, food packaging boxes, pharmaceutical packaging trays, tool packaging, seedling trays, disposable bowls, lids, and plates.

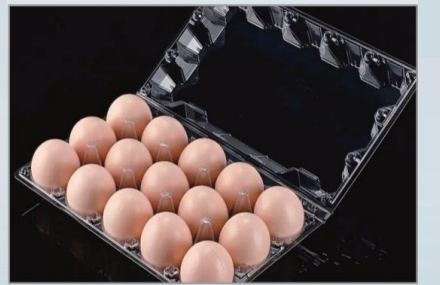


Technical Parameter

Positive And Negative Pressure Thermoforming Machine Technical Parameters		
Model	TZ-7385	TZ-7265
Mould Size (Max.)	750*850mm	750*650 mm
Forming Method	Positive And Negative Pressure Forming	
Forming Depth (Max.)	140mm	120mm
Sheet thickness	0.16-2.0mm	
Forming Speed (Max.)	40times/min	
Air pressure	0.6-0.8mpa	
Sheet width (Max.)	410-790mm	380-760mm
Suitable Sheet	PP, PS, HIPS, PET, PVC, PLA	
Power supply	"AC 380V, 50Hz, Three-phase, Four-wire AC 380V, 50Hz"	
Heating Power	117KW	90KW
Rated power	153Kw	120Kw
Procedure	"Forming-punching-cutting-stacking"	
Dimension	L10.5*W2.15*H2.88m	L9.5*W2.15*H2.8m
Weight	About 14T	About 11T

Main Electrical Components		
MODEL/PARTS	TZ-7385	TZ-7265
Touch Screen	KUNLUN TONGTAI(CHINA)	
PLC	Siemens	
Servo pack	Inovance	
Servo Motor	Inovance	
Heater	ELSTEIN(Germany)	
Temperature control module	Yamatake Temperature Control system	
Filter	CKD(Japan)	
Solenoid Valve	CKD(Japan)	
Solid State Relay	(OMRON)	
Proximity Switch	(OMRON)	
Circuit Breaker	SCHNEIDER(France)	
AC Contactor	SCHNEIDER(France)	
Power switch	"Fujj"	

*Product specifications are subject to change without prior notice.



Fully Automatic Negative Pressure Forming And Cutting Integrated thermoforming Machine (Three/Four workstations)

Functional Features

Fully servo-driven, operates quietly and without vibration, providing excellent thermoforming and high speed.

The automatic discharge device for the furnace can be lowered at any time during production, preventing board breakage and material waste.

The electric furnace temperature control system uses intelligent automatic compensation control with a single control regulator, making it easy to adjust for even temperature distribution. It heats up quickly and can bake low-temperature slices up to three times in the oven.

The forming and cutting mold is servo-driven, with bi-directionally adjustable stroke for both upper and lower molds, and the upper mold's closing direction is electrically adjustable.

In closed mode, the height and position of the upper and lower molds can be quickly and easily adjusted. The closing direction of the lower mold is designed for easy access and cushioning, improving closing speed and avoiding vibration.

PLC automatic cutting, automatic counting, and automatic conveying.

Requires minimal effort, with just 1-2 workers needed for packaging.

Scope Of Application

Suitable for forming thermoplastic materials such as PS, HIPS, PVC, PET, PP, PE, KPS, GPET, and ABS with thicknesses ranging from 0.15 to 2.0 mm, this machine processes high transparency, high stretch, round, square, irregular, and bi-directionally stretched products.

Electronics: Turnover trays for electronic semi-finished products, packaging for electronic components, etc.

Food: Frozen food packaging trays, ice cream lids, ice cream containers, food packaging trays, fast food boxes, meal trays, coffee cup lids, and deli packaging boxes.

Fruits and Vegetables: Packaging trays for fresh food, fruit packaging boxes, etc.

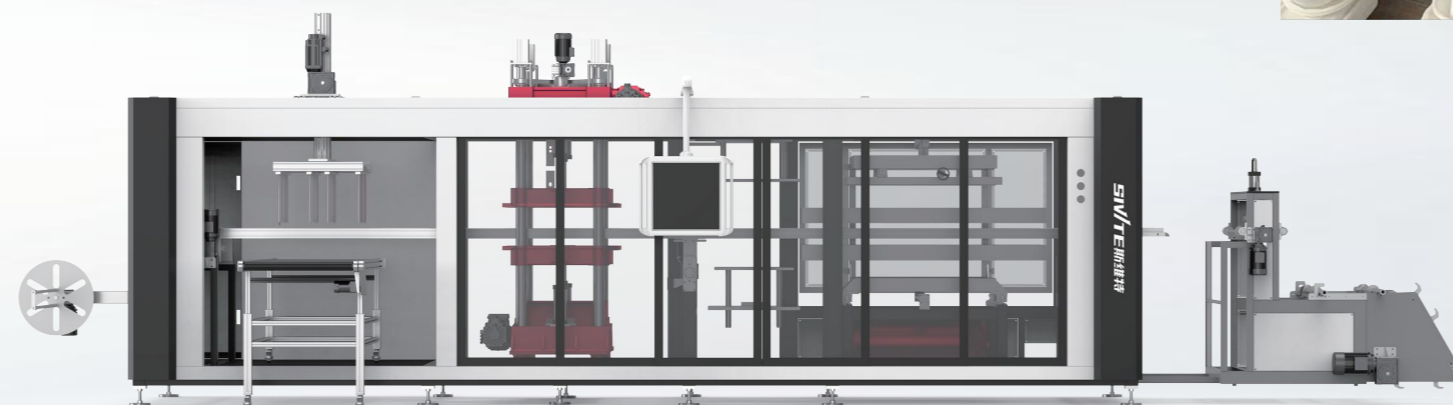
Pharmaceuticals: Injection trays, solid medication trays, bottle trays, etc.

Appliances: Refrigerator liners, vacuum-formed components for appliances, small appliance packaging, etc.

Tools: Packaging for tool finished products, etc.

Alcohol: Fixed trays for packaging alcoholic beverages.

Agriculture: Flower pots, seedling trays, etc.



Technical Parameter

Negative Pressure Thermoforming Machine Technical Parameters	
Model	TZ-7695
Forming Method	Negative Pressure Forming
Mould Size (Max.)	760*950mm
Forming Depth (Max.)	Forming Depth ≤ 110mm ; forming depth can be up to 150mm if custom.
Sheet thickness:	0.16-2.0mm
Forming Speed (Max.)	20times/min
Air pressure	0.6-0.8mpa
Sheet width (Max.)	430-790mm
Suitable Sheet	PP, PS, HIPS, PET, PVC, PLA
Power supply	"AC 380V, 50Hz, Three-phase, Four-wire AC 380V, 50Hz "
Heating Power	90KW
Rated power	120Kw
Procedure	"Forming-punching-cutting-stacking "
Dimension	L105000*W2150*H2800mm
Weight	About 11T

Main Electrical Components	
MODEL/PARTS	TZ-7385
Touch Screen	KUNLUN TONGTAI(CHINA)
PLC	Siemens
Servo pack	Inovance
Servo Motor	Inovance
Heater	ELSTEIN(Germany)
Temperature control module	Yamatake Temperature Control system (Japan)
Filter	CKD(Japan)
Solenoid Valve	CKD(Japan)
Solid State Relay	(OMRON)
Proximity Switch	(OMRON)
Circuit Breaker	SCHNEIDER(France)
AC Contactor	SCHNEIDER(France)
Power switch	"Fuji"

*Product specifications are subject to change without prior notice.

High Speed Semi-auto Thermoforming Machine

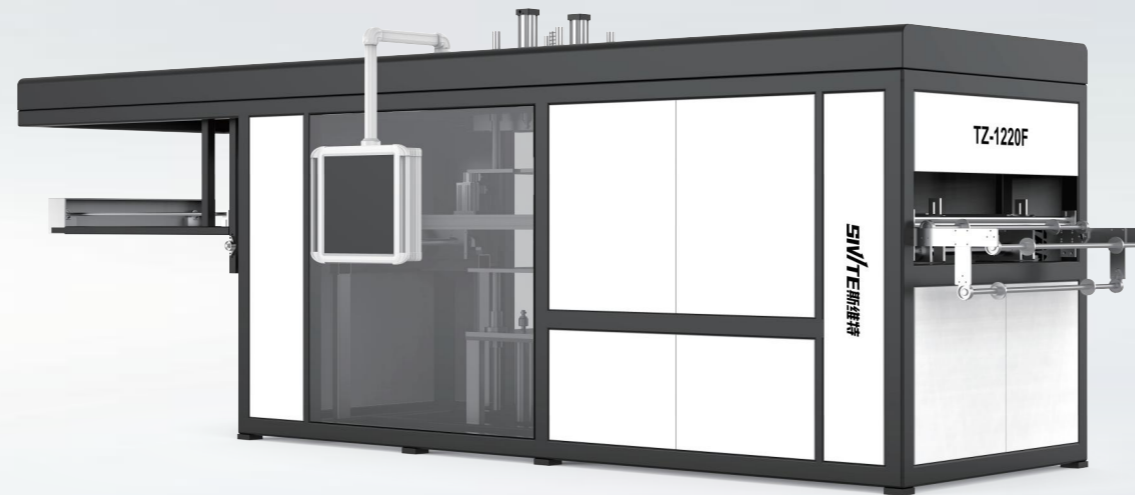
Functional Features

- ◆The upper and lower molds are driven by servo motors at constant speed to ensure high precision of product stretching.
- ◆Adopting servo drive and full computer PLC control,it has storage memory and correction functions (accuracy±1mm),as well as film exit function to avoid sheet waste.The feeding adopts automatic design;
- ◆To match the molding of different materials,the vacuum displacement adopts a dual body andvalve complementary design,ensuring stretch ability and rapid molding of difficult products;
- ◆To ensure the forming stability of products with different rules,demolding is equipped with upper mold,top mold repetition,or multiple frequency modes to choose from;
- ◆The electric furnace adopts a closed horizontal reciprocating design,and the temperature control adopts constant pressure independent control.The heating is stable and the replenishment is uniform,which can effectively solve the problem of PET materials whitening,deformation and other adverse waste phenomena, saving more than40%of electricity;
- ◆The cooling device and rapid cold water spray are increased,and the auxiliary demoulding spray function is set to accelerate the production speed,and the efficiency is more than 40%faster than the traditional machine.



Scope of Application

- ◆Suitable for molding thermoplastic materials such as PSHIPS,PVC,PET,PP,PE,PS,KPS, GPET,ABS with a thickness of 0.15-3.0mm, processing high transparency,high stretch,round, square,irregular,up and down bidirectional Stretch,flange products.
- ◆It is widely used in the sealing and packaging of toys,hardware,cosmetics,electronic products (such as batteries,electronic components,etc.), food (such as fruit trays,snack boxes,biscuit boxes,food trays,trays,etc.),medicines,etc.



Technical Parameter

High Speed Thermoforming Machine Technical Parameters	
Model	TZ-1220F
Forming Method	Negative pressure forming
Mould Size (Max.)	760*1220mm
Forming Depth (Max.)	180mm
Sheet thickness:	0.16-2.0mm
Forming Speed (Max.)	6-15times/min
Air pressure	0.6-0.8mpa
Sheet width (Max.)	490-750mm
Suitable Sheet	PP, PS, HIPS, PET, PVC, PLA
Power supply	"AC 380V, 50Hz, Three-phase, Four-wire AC 380V, 50Hz"
Heating Area	39KW
Rated power	55kw
Procedure	"Forming"
Weight	4.8T
Dimension	L105000*W2150*H2800mm

Main Electrical Components	
MODEL/PARTS	TZ-1220F
Touch Screen	KUNLUN TONGTAI(CHINA)
PLC	Siemens
Servo pack	Inovance
Servo Motor	Inovance
Heater	ELSTEIN(Germany)
Temperature control module	Yamatake Temperature Control system (Japan) 日本山武温控器带机箱, 1对1控温
Filter	CKD(Japan)
Solenoid Valve	CKD(Japan)
Solid State Relay	(OMRON)
Proximity Switch	(OMRON)
Circuit Breaker	SCHNEIDER(France)
AC Contactor	SCHNEIDER(France)
Power switch	"Fuji"

*Product specifications are subject to change without prior notice.

Fully-auto servo plastic cup making machine

Scope Of Application

The entire machine is controlled by a fully servo-driven system, which is energy-efficient, offers more accurate positioning, and ensures stable forming, making it widely adaptable. It can process various plastic sheets such as PS, PP, PVC, PET, ABS, and more. The primary applications include the production of disposable tableware, cold drink cups, yogurt cups, jelly cups, ice cream cups, take-out boxes, plastic bowls, milk tea lids, and other similar products. Additionally, it can also process plastic packaging products related to pharmaceuticals, light industry, textiles, tourism, toys, and more

Product Description

1. Fully servo-driven, operates quietly and without vibration, providing excellent thermoforming and high speed.
2. The machine features a compact structure, occupying a small footprint.
3. The entire process integrates sheet feeding, heating, stretching, forming, and trimming into one complete operation.
4. The automatic discharge device in the furnace can be lowered at any time during production, preventing board breakage and minimizing material waste.
5. The electric furnace temperature control system utilizes a one-to-one intelligent temperature control system, allowing for easy adjustments of temperature uniformity, energy efficiency, and rapid heating, capable of low-temperature baking of sheets up to three times in the oven.
6. The forming and cutting molds are servo-driven, with bi-directionally adjustable stroke for both upper and lower molds, and the upper mold's closing direction is electrically adjustable. In closed mode, the height and position of the upper and lower molds can be quickly and easily adjusted; the closing direction of the lower mold is designed for easy access and buffering, improving closing speed and avoiding vibration.
7. PLC provides automatic cutting, automatic counting, and automatic conveying.
8. Requires minimal effort, with just 1-2 workers needed for packaging.



Technical Parameter

	SWT-750B	SWT-850B
Maximum mould size	750*450mm	850*600mm
Maximum moulding depth	125-180mm	180mm
Sheet thickness	0.3-1.8mm	0.3-1.8mm
Maximum moulding speed	times/minute	30 times/minute
Air pressure	0.6-0.8mpa	0.69-0.8mpa
Air consumption	3.0m ³ /min	3.0m ³ /min
Maximum sheet width	760mm	760mm
Applicable Sheet	PP,PS,HIPS,PET,PVC,PLA	PP,PS,HIPS,PET,PVC,PLA
Power supply	380V,/three-phase four-wire	380V,/three-phase four-wire
Rated power	190kw	150kw
Used power	80kw	70kw
Dimension	(L)4800*(W)1500*(H)2500mm	(L)5200*(W)1600*(H)2500mm
Weight	9 tonnes	8 tonnes

*Product specifications are subject to change without prior notice.

Cup-making & thermoforming Machine Online Crusher

Functional Features

Crusher part

- ◆The knives are made of special steel made by famous brand manufacturers,with high hardness,good toughness,strong wear resistance,especially strong and durable,easy to crush various soft and hard materials,and strong crushing ability.
- ◆The machine body is welded and processed with high-quality steel plates,which is sturdy and durable. and will never burst.
- ◆The frame is welded with national standard channel steel and is equipped with screw fixing devices to maintain the stability of the machine.
- ◆The tool holder adopts hollow structure design,stable operation,low wind resistance,fast heat dissipation,and sturdiness and durability.
- ◆The bearing adopts the bearing of famous brand manufacturer,which is stable and durable.The Flywheel and belt pulley are made of precision casting and precision processing,which are strong and durable.
- ◆ It adopts synchronous belt transmission mode,mature technology and stable operation. ◆Simple operation,reliable performance,low noise and high quality.
- ◆ The thickness of the crushed raw material ranges from 0.5 to3mm.(If you need to crush thickened

Traction part

- ◆The traction spindle is precision processed with high-strength seamless steel pipe,and then plated with hard chrome,which is beautiful and generous,never rusty,durable,and environmentally friendly.
- ◆The body is made of precision machining of national standard steel,which is beautiful and durable.
- ◆ The power part adopts the gear reduction motor of the famous brand manufacturer.The new integrated design is convenient and light,strong and durable.It is equipped with the frequency converter of the famous brand manufacturer,which can be used in synchronization with the host.The speed can meet the needs of different customers and ---the quality is stable.



Feeding fan

- ◆The base of the feed fan is welded by the national standard angle iron,At the same time,it adopts the motor of the famous brand manufacturer,the quality is stable,and it is durable.
- ◆ The fan shell and blades are made of stainless steel,which is beautiful and generous,never rusty, environmentally friendly and sanitary,strong and durable.
- ◆ The unique fan blade design increases the wind pressure,has strong material conveying capacity and

Product Description

Cup making blister online crusher is mainly suitable for matching with packaging machinery (cup making machine,thermoforming machine)for

Applicable scope

Applicable to crushed plastic products:PP,PET,PS,PVC,PLA,bio based materials and other disposable plastic products,food packaging,plastic blister tray,

Technical Parameters

Model	TZXS-850L	TZXS-1000L	TZXS-1200L
Main motor power	11/15	11/15	30/22
Power of feeding fan	4/5.5	5.5/7.5	5.5/7.5
Tractor power	1.5	1.5/2.2	2.2/3.7
Number of fixed knives	4	4	4
Number of rotary knives	24	36	36
Diameter of crushing chamber	850*310	1000*310	1200*310
Maximum crushing amount	400~600	400~800	800~1200
Noise during crushing	70~100	70~100	70~100
Mesh size	8/10/12	8/10/12	8/10/12
Machine dimensions	1620*1260*2400	2000*1260*2350	2000*1260*1800

*Product specifications are subject to change without prior notice.

Environment Soundproof Type Crusher

Functional Features

- ◆ Fully enclosed silent design, the noise level within 1 meter around the machine is below 85db, and dust pollution is avoided. It is an environmentally friendly crusher with good performance.
- ◆ Double feed ports can be customized according to needs, one machine can be used for multiple purposes, and the waste coils can be automatically loaded and crushed without manual slicing.
- ◆ Optional conveyor belt for free switching between bulk materials and two ton bags, and two feeding ports at the front and rear to feed materials, making the powder breaking operation easier, more convenient, efficient and safer.
- ◆ The water cooling effect is good inside the box, and the sound insulation cotton design makes the appearance clean and more effective in isolating



Taizhang Machinery can also provide a series of supporting auxiliary equipment, such as conveyor belts, dust separation devices, metal detectors,

Functional Features

- ◆ Suitable for crushing and recycling PET, PETG, GAG, PVC, PP, PS, PC and other sheet, blister, injection molding, blow molding scraps and other plastic parts.

Technical Parameter

Model	Power (kW)	Caliber (mm)	Tactical diameter	Traction motor (kW)	Flat knife	Crushing capacity (kg/H)	Size L*W*H (cm)	Weight (kg)
TZP-800	22	800*500	415	1.5kw	4*24	500-700	185*160*240	2200
TZP-1000	37	1000*500	415	1.5kw	4*30	800-1000	200*175*260	3200
TZP-1200	45	1200*500	415	2.2kw	4*36	900-1500	210*200*260	4500
TZP-1500	45	1500*500	415	2.2kw	4*15	1000-1600	230*220*260	5500

*Product specifications are subject to change without prior notice.

Claw Knife Type Crusher

Functional Features

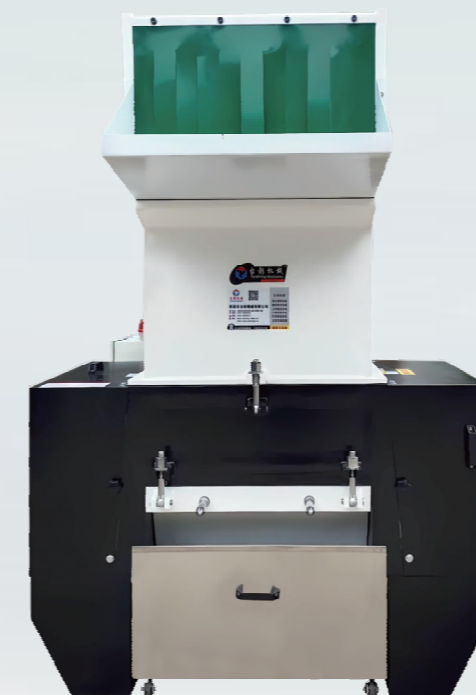
- ◆ The claw type crusher is suitable for crushing and reusing various plastics, especially for various hard plastics (such as material heads, shoe lasts, etc.) with better results. The grinder is easy to operate and the tool change is simple and fast; The optimized design of the tool holder allows the claw shaped knife to disperse the force, increasing the shear force of each blade, making it suitable for crushing thick materials, hard blocks, material heads, etc., effectively improving the cutting force of the tool and reducing tool wear; Equipped with electronic control safety design, the hopper adopts a double-layer structure and is filled with soundproofing materials, making the equipment have good safety and environmental protection, energy-saving and durable.
- ◆ Anti-claw design, with less force on the blade. When crushing materials, the force point is transferred to the back of the blade;
- ◆ Claw shaped razor design, better grip, more uniform force, and easier material crushing;
- ◆ The entire machine is made by welding thickened steel plates; The crushing rotor is made of solid steel plate material (not cast iron);
- ◆ The crushing chamber is made of thickened steel plates, which are finely milled and chamfered before being welded as a whole; The welding parts are ground flat, with fine workmanship, and the inner cavity is smooth and flat;
- ◆ Using imported cutting tools, the blade has better hardness and toughness, making it more durable.

Unique Tool Design

The optimized structure design of the tool holder allows the claw shaped knife to disperse the force, increasing the shear force of each blade. It is suitable for crushing thick materials, hard blocks, rubber heads, etc., effectively improving the cutting force of the tool and reducing tool wear.

Scope of Application

It is suitable for all kinds of plastics to be pulverized and reused, especially for all kinds of rigid plastics (head



Free to mix and match



Cyclone Separation and Recovery Unit



Dust separation and collection system



Conveyor Belt collection system

Technical Parameter

Model	Caliber (mm)	Motor (kW)	Claw knife (pcs)	Flat knife (pcs)	Eight character knife (pcs)	Yield (kg/H)	尺寸 Size L*W*H (mm)	Weight (kg)
TZG-10HP	400*250	7.5	2*21	2*6	/	150-400	110*850*1250	590
TZG-20HP	460*300	15	2*27	2*6	/	300-600	1400*1000*1500	950
TZG-30HP	570*400	22	2*27	2*9	2*6	700-1000	1500*1160*1750	1700
TZG-50HP	730*550	37	2*27	2*6	2*9	800-1200	1800*1420*2071	3200
TZG-75HP	960*630	55	4*36	4*6	4*9	850-1300	2100*1715*2550	3800
TZG-100HP	1200*700	75	4*42	4*6	4*12	1000-1500	2300*2000*2850	4550

*Product specifications are subject to change without prior notice.

Functional Features

Feeding fan

- ◆The base of the feed fan is welded by the national standard angle iron,At the same time,it adopts the motor of the famous brand manufacturer,the quality is stable,and it is durable.
- ◆The fan shell and blades are made of stainless steel,which is beautiful and generous,never rusty, environmentally friendly and sanitary,strong and durable.
- ◆The unique fan blade design increases the wind pressure,has strong material conveying capacity and

Traction part

- ◆The traction spindle is precision processed with high-strength seamless steel pipe,and then plated with hard chrome,which is beautiful and generous,never rusty,durable,and environmentally friendly.
- ◆The body is made of precision machining of national standard steel,which is beautiful and durable.
- ◆The power part adopts the gear reduction motor of the famous brand manufacturer.The new integrated design is convenient and light,strong and durable.It is equipped with the frequency converter of the famous brand manufacturer,which can be used in synchronization with the host.The speed can meet the needs of different customers and the quality is stable.

Crusher part

- ◆The knives are made of special steel made by famous brand manufacturers,with high hardness,good toughness,strong wear resistance,especially strong and durable,easy to crush various soft and hard materials,and strong crushing ability.
- ◆The machine body is welded and processed with high-quality steel plates,which is sturdy and durable. and will never burst.
- ◆The frame is welded with national standard channel steel and is equipped with screw fixing devices to maintain the stability of the machine.
- ◆The tool holder adopts hollow structure design,stable operation,low wind resistance,fast heat dissipation,and sturdiness and durability.
- ◆The bearing adopts the bearing of famous brand manufacturer,which is stable and durable.The flywheel and belt pulley are made of precision casting and precision processing, which are strong and durable.
- ◆It adopts synchronous belt transmission mode,mature technology and stable operation.
- ◆Simple operation,reliable performance,low noise and high quality.
- ◆The thickness of the crushed raw material ranges from 0.5 to 3mm.(If you need to crush thickened



Product Description

Sheet edge shredder is mainly suitable for matching with the sheet extruder.In order to keep the edge materials clean and dry during production,the crushed materials are immediately blown to the feed port of the extruder through the fan (or suction machine),and the new and old materials are pressed together

Technical Parameter

Model	TZB-300	TZB-400
Main motor power	4/5.5	5.5/7.5
Power of feeding fan	3/4	3/4
Tractor power	0.75/0.4	0.75
Number of fixed knives	2	2
Number of rotary knives	3	6
Diameter of crushing chamber	300*180	400*180
Maximum crushing amount	80-100	100-200
Noise during crushing	70-100	70-100
Mesh size	8/9.5/10.5/12	8/9.5/10.5/12
Machine dimensions	1325*920*1385	1325*920*1385

*Product specifications are subject to change without prior notice.

Applicable scope

Applicable to crushed products:leftovers of two plastic

Functional Features

- ◆The overall wall panel is designed in sections, and the square tube welding auxiliary machine is convenient for cleaning and measuring the thickness and width of the film (square tube welding and aluminum profile frame can be customized according to customer requirements).
 - ◆The length,width and height of the whole set of auxiliary machines can be customized according to customer requirements.
 - ◆It can be customized according to customer requirements, including trimming machine, waste edge collecting machine, ordinary coating machine and off-end coating machine, oven length, laminating machine,slitting knife, traction machine, winder and heavy winder, to achieve all-round private customization.
- Applicable sheet: PET, PETG,PP, PS, etc.



Repair and transformation of screw,mirror roller and flat die head

For each set of refurbished screw,mirror key,flat die head,we will strictly follow the bellow steps:

Screw repair

Mainly aimed at repairing screws damaged by twisting and wear.The processes include welding,high-nickel alloy thermal spraying(wear-resistant or corrosion-resistant treatment),nitriding,and the bellow steps:

Roller surface roller repair

Local repair of damaged spots:repair of damaged spots,local grinding,electroplating,polishing and mirror treatment.Overall repair:grinding and de-marking,electroplating,polishing,super mirror treatment.

Flat die repair

- 1.Dismantle and clean the die head
- 2.Inspection,evaluation,and communication with customers regarding technical renovation requirements
- 3.Remove the original forging layer
- 4.Repair damaged surfaces or change defective designs
- 5.Replace damaged parts
- 6.Repair the joint surface of the model
- 7.Re-polishing of the flow channel
- 8.Reassemble the roof check the technical indicators of each

Cup Making Machine Manipulator

Product Description

cup making machine manipulator is a set of points,take the cup,stacked in one of the lightweight manipulator system, has the characteristics of flexible action,simple structure,strong adaptability,high precision and certain carrying capacity etc.The manipulator of the machine with the suction type design,grasping stability,accurate,fast.Automatic conveyor belt conveyor.



Automatic Cup Stacking Machine

Product Description

The automatic cup stacking machine is the system cup machine supporting facility,lays aside after the forming,pass as the corridor with the between crevice mutually card,the cup mouth just right card on the road,the cup folds a row automatically.Completes folds the cup principle cup the work, reduces the man power effectively,enhances the working efficiency.



Automatic Plastic Cup Counting&Packaging Machine

Product Description

1,The machine adopts PLC program automatic cycle control,with slacking,counting,feeding film with sealing and cutting,material distributing functions.
2.The host has the advantages of compact structure,stable performance,simple operation servo system control.Bag length can be set and put in one step.Positioning shut down function,non-stick and save film,-temperature independent control,more suitable for various materials of packaging films.



Plastic Cup Curling Machine

Product Description

Plastic Cup Curling Machine with automatic feeding cups and measuring cup collecting device by photoelectric control, curling plastic cup rim to increase cup rim strength to be more beautiful and useful.



Auxiliary Equipment



Blender



Storage Vat



Stirring Feeder



Feeder



Air Compressor



Water-cooled Chiller



Air-cooled Chiller



Cooling Tower

Mould

supporting to different kinds of PP,PE,PET,PS,HIPS,EPS,PVC,PLA,BOPS and biodegradable material's thermoforming mould and three station mould, plastic cup mould.

