

EPS Machine



Mould A Green Life

Offering Turn-key EPS Project.



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INTRODUCTION

Hangzhou Epsole Technologies Co.,Ltd. is a private-owned enterprise located in Hangzhou, China. With over 10 years experience, the company is famed for its profession in R&D , manufacturing and sales of EPS machinery, EPS Accessories, EPS raw materials and EPS moulds, etc.

Epsole has been focusing on the cooperation with customers, supply of technical information, sharing of intelligence and installation of machinery as well as the promotion of automation and working efficiency so as to improve the company's competitiveness and realize mutual benefits. Epsole is sincerely looking forward to cooperate with all customers that have interests in our products and technical services. We are confident to provide high quality services for customers from all over the world.

INNOVATION

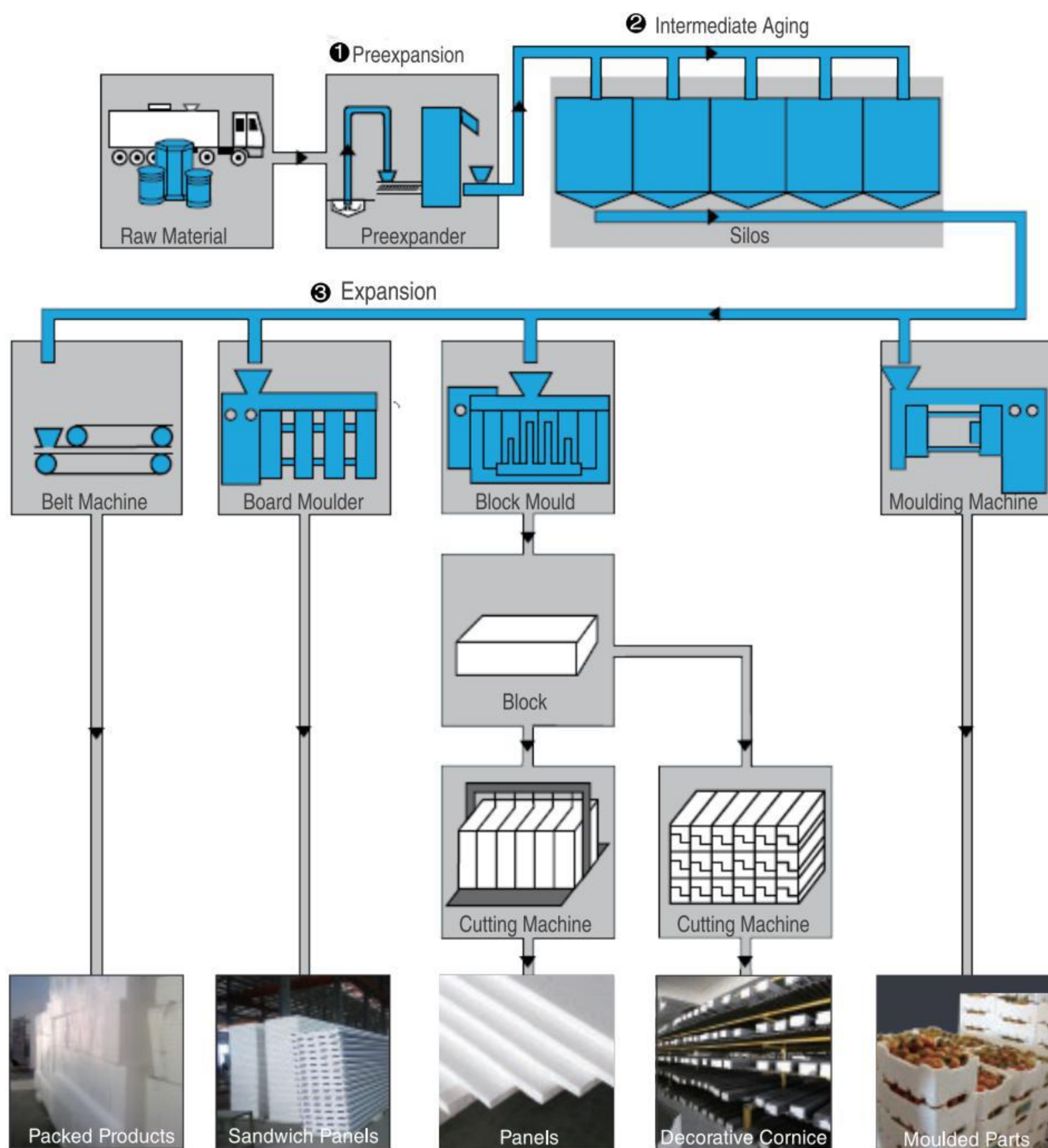
ENVIRONMENTAL PROTECTION

EFFICIENT ENERGY-SAVING



CONTENTS ▼

- **Our Service** 03-04
- **Manufacturing Process** 05-06
- **Pre-expander** 07-08
- **Automatic Shape Moulding Machine** 09-13
- **EPP Shape Moulding Machine** 14-15
- **Automatic Block Moulding Machine** 16-17
- **Cutting Machine** 18-20
- **Recycling System** 21
- **EPS Pelletizer** 22
- **Auxiliary Equipment** 23
- **Tour in Customers' Factory** 24





Our Service

We provide customized service for EPS plant design, manufacturing, installation, training and overseas after sales support, etc.



Service Idea of 4A

For the purpose of approaching the customers and providing the most professional, and the best energy-saving solutions, we implement the concept of “4A” service, which is Anyone, Anytime, Anywhere and Anything.

The “4A” service idea emphasizes on personal-service by caring customers’ production needs and demand of purchase. We feel and listen to the customer, which expresses the service idea of people-oriented and Customer-centered.

The core of “4A” service is to create a service mode of combining modern science and technology with EPS industry perfectly, to provide the most advanced and professional EPS equipment to improve the production efficiency and energy-saving, achieving maximum benefits for every single customer

Anyone

Regardless of age, sex, occupation and social position, whoever subscribes EPSOLE products and has a grand willingness in EPS industry, we promise to provide you the most sincere service.

Anytime

In our program, the annual service hours provided is 365 x 24 hours. We provide Round-The-Clock and All-sided after-sales service to the customers, no matter day & night, windy or rainy.

Anywhere

We will spare no effort to meet the customers’ reasonable needs in anywhere.

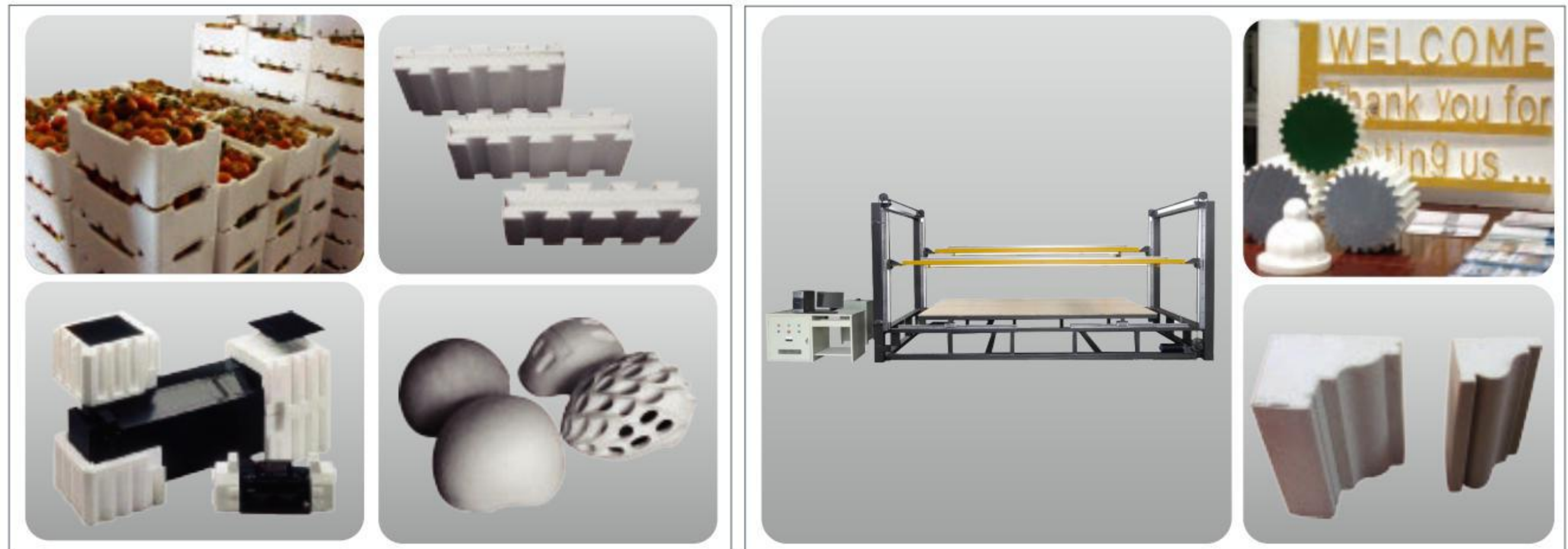
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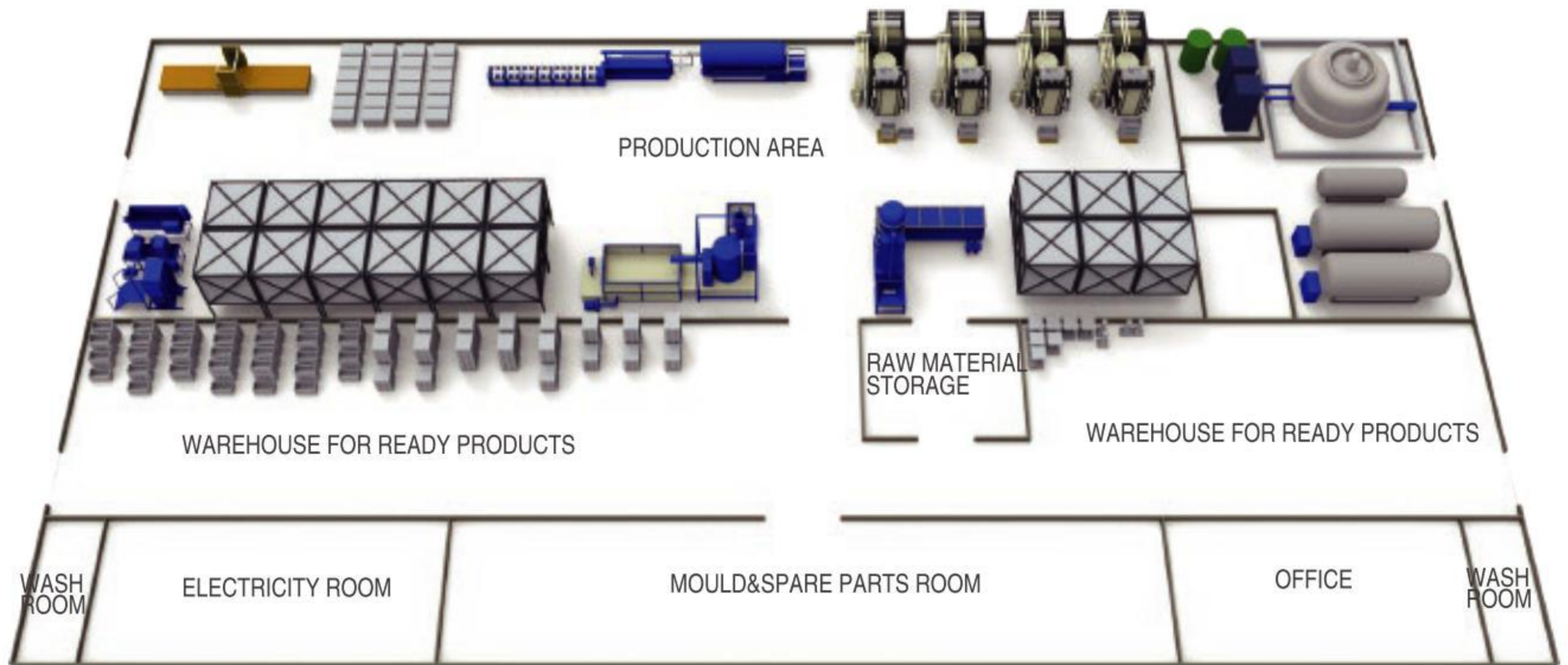
Whether it is a little nut thing or as big as the matter of buying a full set of production line, as long as it concerns about products, we shall provide the utmost in serving customers satisfactorily.

Manufacturing Process



<p>Shape moulding machine</p>	<p>EPS mould</p>	<p>Block moulding machine</p>	<p>Vertical</p>
<p>Apply to:</p> <ul style="list-style-type: none"> ● Agricultural and fish box ● ICF construction parts ● Other special application such as helmet,model...,etc. ● Electrical parts package ● Decoration parts 		<p>Apply to:</p> <ul style="list-style-type: none"> ● Construction parts for decoration ● 3-D panel and sandwich panel ● Heating-insulation wall and ceiling ● Other applications 	





ENERGY SUPPLY:

- Electricity.
- Steam system: boiler, steam accumulator.
- Compressed air system: compressor, compressed air receiver.
- Water system: water pump, water cooling tower.

EPS Recycling System



Steam boiler



Air compressor



Water cooling tower



Continuous Pre-expander

ESPC-70/90/120

Functions & Features

- All process works automatically including filling, expanding, sieving, grinding and conveying, etc.
- With twice pre-expansion function, foam density could be 8-30g/l
- Frequency conversion feeding equipment
- Power-off protection device
- Japanese relief valve



TECHNICAL DATA

Item		Type		
		ESPC- 70	ESPC- 90	ESPC- 120
Expansion Container	Volume	0.6m ³	1.2m ³	2.2m ³
	Diameter	∅ 700mm	∅ 900mm	∅ 1200mm
	Useable Volume	0.4m ³	0.8m ³	1.5 m ³
Steam	Entry	DN20	DN40	DN40
	Consumption	80-100kg/h	100-150kg/h	150-200kg/h
	Pressure	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa
Compressed Air	Entry	DN15	DN20	DN20
	Pressure	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa
Drainage	Condensate	∅ 20mm	∅ 20mm	∅ 20mm
Productive Capacity	15 g/l	100kg/h	150kg/h	250kg/h
	20 g/l	120kg/h	200kg/h	300kg/h
	25 g/l	150kg/h	250kg/h	410kg/h
	30g/l	200kg/h	300kg/h	500kg/h
Material Conveying Line		∅ 150mm	∅ 150mm	∅ 150mm
Power		8.93KW	9.73KW	13.33KW
Density	First expansion	12-30 g/l	12-30g/l	14-30 g/l
	Second expansion	8-11 g/l	8-11 g/l	8-13 g/l
Overall Dimension	(L×W×H)	4700×2660×2600(mm)	4700×2930×3200(mm)	4905×4655×3250(mm)
Weight		1300kg	1500kg	1800kg
Room Height Required		3000mm	3000mm	3000mm

Note: Machines are highly customized according to customer's requirement.



Batch Pre-expander

ESPB-50/110/150/160

Functions & Features

- Including common dry bed, auto-feeder, screening and auto-weighing device.
- Steam system: controlled by relief valve and angle valve
- Filling system: adopt electronic weighing system, set on touch screen and the equipment is available for weighing automatically
- Material level control: controlled by photo sensor
- Electric control: with PLC & touch screen



Product Details



TECHNICAL DATA

Item		Type							
		ESPB-50	ESPB-110	ESPB-150	ESPB-160				
Expansion Container	Diameter	∅ 500mm	∅ 1100mm	∅ 1500mm	∅ 1600mm				
	Volume	0.14m ³	1.4m ³	4.5m ³	5.4m ³				
	Useable Volume	0.1 m ³	0.9m ³	3.2m ³	4.5 m ³				
Steam	Entry	DN25	DN50	DN 50	DN100				
	Consumption	0.5-0.7kg/cycle	8-11kg/cycle	15-18kg/cycle	18-20kg/cycle				
	Pressure	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa				
Compressed Air	Entry	DN20	DN25	DN40	DN40				
	Consumption	0.2-0.3m ³ /cycle	0.5-0.6m ³ /cycle	0.5-0.6 m ³ /cycle	0.5-0.8 m ³ /cycle				
	Pressure	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa				
Drainage	Drainage Port Condensate	DN80	DN80	DN100	DN150				
		DN20	DN80	DN40	DN50				
Productive Capacity		12g/l	70kg/h	12g/l	240kg/h	12g/l	600kg/h	12g/l	1400kg/h
		18g/l	100kg/h	15g/l	320kg/h	15g/l	900kg/h	15g/l	1800kg/h
		25g/l	110kg/h	20g/l	430kg/h	20g/l	1200kg/h	18g/l	2300kg/h
		32g/l	130kg/h	30g/l	600kg/h	30g/l	1500kg/h	25g/l	2800kg/h
								Second expansion	
								8g/l	800kg/h
							10g/l	1000kg/h	
Material Conveying Line		∅ 150mm	∅ 150mm	∅ 250mm	∅ 250mm				
Power		9.5KW	16.1 KW	24.85KW	3.5KW				
Density		12-140g/l	12-30g/l	12-30g/l	12-30g/l				
Density Tolerance		≤±2%	≤±2%	≤±3%	≤±3%				
Overall Dimension	(L×W×H)	3000×3800×3800(mm)	5600×3000×4530(mm)	6500×4150×5400(mm)	7600×3700×4200(mm)				
Weight		1500kg	3500kg	5000kg	6300kg				
Room Height Required		5000mm	5000mm	5500mm	7000mm				

Note: Machines are highly customized according to customer's requirement.



Automatic Shape Moulding Machine

ESS810-1820A/B



Functions & Features

● Structure:

Welded by strong intensity square pipe and treated by drawing temper to prevent panels deformation
With sand blasting treatment, corrosion resistance , life can be improved remarkably.

● Electronic control:

Adopting Mitsubishi PLC and Schneider touch screen, fully automatic on mould closing, filling, heating, cooling and off-mould
All electrical components are from well known brands, which make sure high efficiency and stability of machines

TECHNICAL DATA

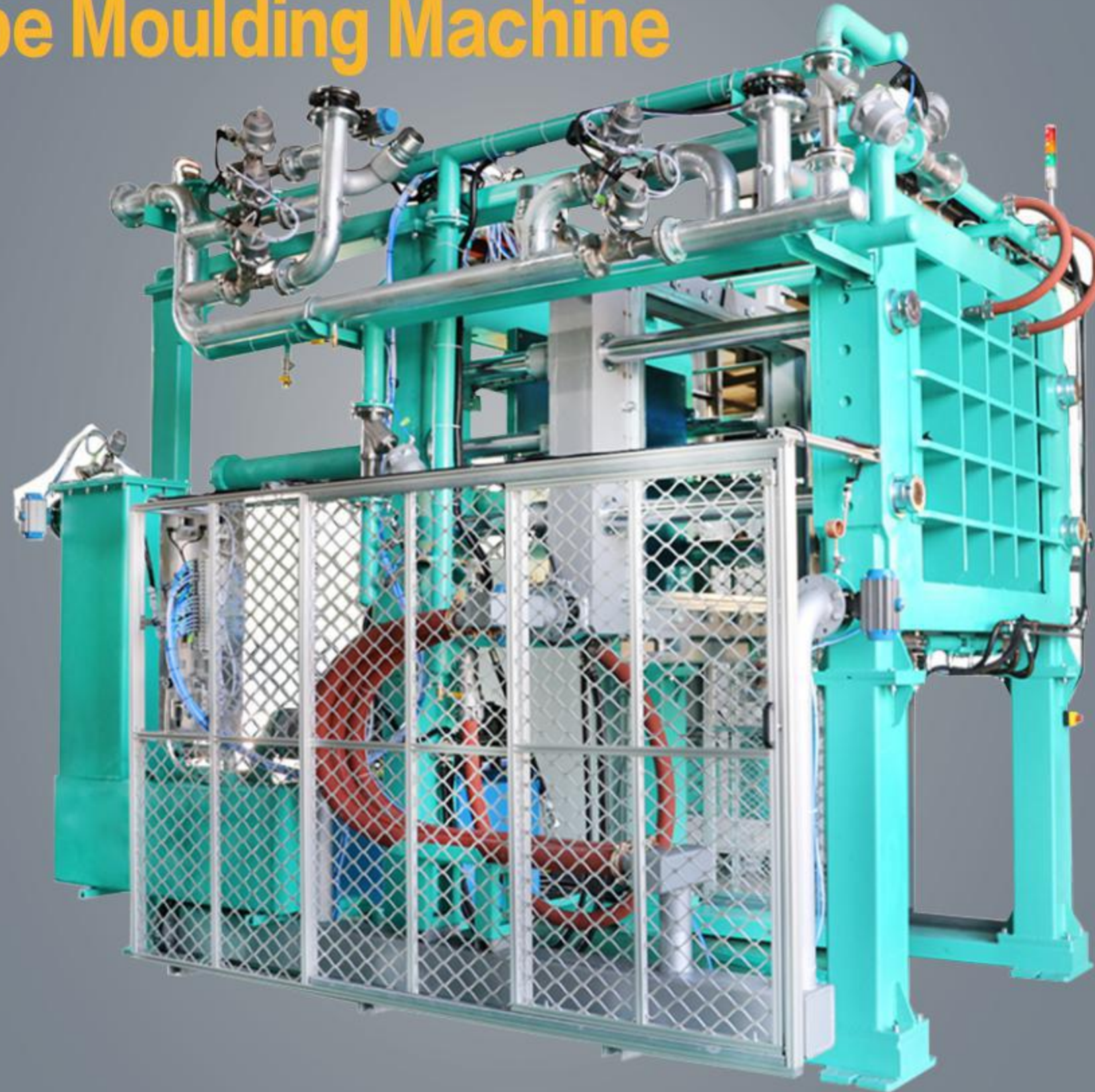
Item	Unit	ESS 810A/B	ESS1012 A/B	ESS1214A/B	ESS1416A/B	ESS1820A/B
Mould Dimension	mm	1000×800	1200×1000	1400×1200	1600×1400	2000×1800
Max Product Dimension	mm	800×600×350	1000×800×350	1200×1000×350	1400×1100×350	1800×1600×350
Stroke	mm	220-1470	220-1470	220-1470	220-1470	220-1470
Steam Entry	mm	80	80	80	80	80
Steam Consumption	kg/cycle	6	7	8	9	11
Water Entry	mm	80	80	80	80	80
Cooling Water Consumption	kg/cycle	40-120	45-138	50-150	55-180	90-210
Compressed Air Entry	mm	25	40	40	40	50
Compressed Air Consumption	m ³ /cycle	1.2	1.5	1.8	2	2.5
Vacuum Pump Capacity	m ³ /h	165	165	230	280	280
Power	KW	10.6	10.6	14.1	16.5	20
Overall Dimension	mm	4800×1850×2970(mm)	4800×2050×3170(mm)	4970×2250×3370(mm)	4970×2440×3430(mm)	5100×2900×4030(mm)
Machine Weight	kg	4200	4800	5500	5800	7000
Cycle Time	s	60-90	60-100	60-150	100-180	100-180

Note : Machines are highly customized according to customer's requirement.



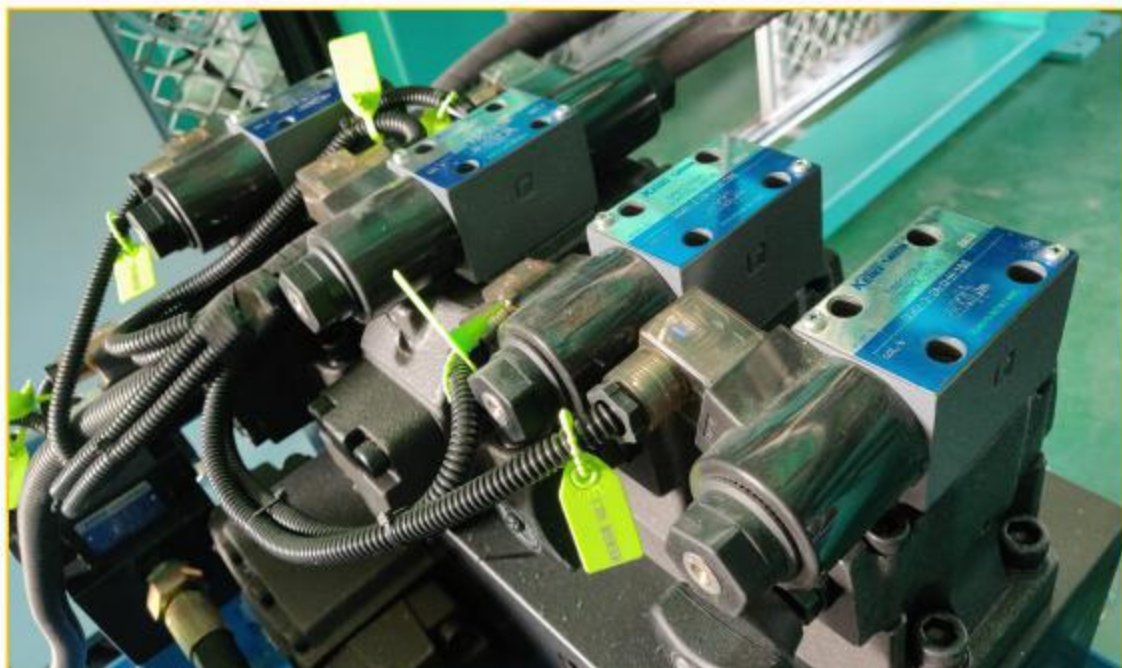
* Patented

EPP Shape Moulding Machine



- Adopts famous brands hydraulic components, differential pressure system design, which can achieve high speed, low noise operation. The fastest mold opening and closing speed reaches 350mm/sec, achieving high speed and efficient stable operation;
- Two-points mold opening and closing, and the latest mechanism technology of mold clamping, can stabilize mold clamping pressure without leakage during production, and effectively reduce energy consumption.
- Improved pipe & valve design to minimize energy wastage while increasing reaction speed;
- The design of cooling water pipe line fastens the speed of water cooling – the ring design of copper pipe inside mould cavities increases the contact surface, resulting in more efficient cooling and smooth product surface.
- Application of electric digital proportional valve: adopt imported electric digital proportional valve with linear position sensor to efficiently and accurately control the proportion of opening scale of the angle seat valve, and the combination with the digital pressure sensor enables the mold cavity pressure to be linearly stable, which changes the analog control of door open and close of traditional equipment. Imported brands of valve guarantees the stable quality of products, effectively saving steam, air, and other energy consumption;
- The bypass line of the latest heating system of EPS molding machine can effectively reduce the molding time and steam energy consumption.

Product Details ▾





- Adopts Siemens intelligent control system and User-friendly Windows embedded system operation interface result in simple & convenient & intelligent operation;
- The control method combined of Imported electric proportional valve, linear position sensor and pressure sensor --- perfectly matches the control system, enabling material feeding, heating, blowing, and water cooling, etc. to be more accurate, stable, reliable and efficient;
- The latest production molding technology results in convenient and efficient operation, the production efficiency is thus improved.

TECHNICAL DATA

Model			ESS0813PP	ESS1214PP	ESS1318PP
Data	unit				
Overall	m m		5363*2710*4752	5363*3310*4852	5363*3710*4952
Mould size	m m		800*1300	1200*1400	1300*1800
Product high	m m		350	350	350
Move Distance	m m		1200	1200	1200
Rod	Diameter	m m	60	80	100
	Quantity	pcs	4	4	4
Cylinder	Quantity	pcs	2	2	2
Hopper	Capacity	L	145	145	145
	Quantity	pcs	1	2	2
Steam	Main inlet	DN	100	100	100
	Pressure	bar	8	8	8
	Consumption	Kg	4~5	4~5	4~5
Cooling	Main inlet	DN	80	80	80
	Pressure	bar	4	4	4
	Consumption	Kg	0~6.28	0~6.28	0~6.28
Vacuum	Connector	DN	100	100	100
	Drainage	DN	100	100	100
Air	Inlet	DN	50	50	50
	Pressure	bar	6	6	6
	Consumption	m ³	0.3~0.6	0.3~0.6	0.3~0.6
Hydraulic	Motor	Kw	7.5	7.5	7.5
	Capacity	L	400	400	400

Note: Machines are highly customized according to customer's requirement.



* Patented

SMED Series EPS Shape Moulding Machine

(Single Minute Exchange of Die)



Product Details ▾



- Stainless steel steam chamber equipped on machine: Save mold frame cost, steaming from 3 sides (top & two flanks), fast fusion (especially good for package product as of better cross steaming) and rapid cooling.
- Hydraulic lock system: Adopts new hydraulic-mechanical lock system;
- One key to change the mould, open framework design, advanced auto rod guide and fix system. Greatly reduces machine stop period, truly realizes SMED. Mould change time < 5min;
- Robotic arm products feeding & picking system:
 - I. Pre-prepare transfer materials for multi-layers steaming (Eg: Structure products & under floor board with HIPS film coating, or plastic inserts for ICF)
 - II. Collect & stack products
- Adopts famous brands hydraulic components, differential pressure system design, which can achieve high speed, low noise operation. The fastest mold opening and closing speed reaches 350mm/sec, achieving high speed and efficient stable operation;
- Two-points mold opening and closing, and the latest mechanism technology of mold clamping, can stabilize mold clamping pressure without leakage during production, and effectively reduce energy consumption.
- Improved pipe & valve design to minimize energy wastage while increasing reaction speed;

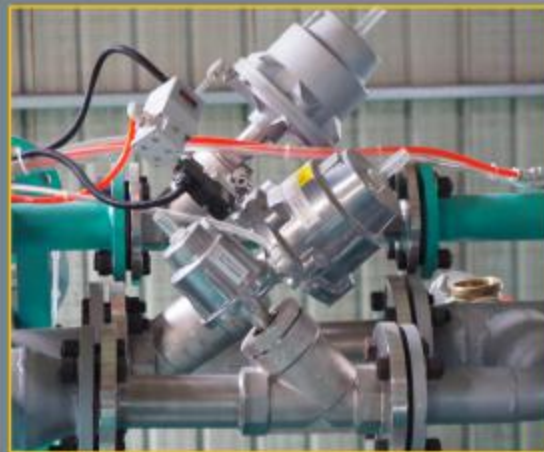




* Patented

QDCS Series EPS Shape Moulding Machine (Quick Die Change System)

Product Details ▾



- Stainless steel steam chamber equipped on machine: Save mold frame cost, steaming from 3 sides (top & two flanks), fast fusion (especially good for package product as of better cross steaming) and rapid cooling.
- Hydraulic lock system: Adopts new hydraulic-mechanical lock system;
- Fast mould change, open framework design, advanced auto rod guide and fix system. Greatly reduces machine stop period, truly realizes QDCS. Mould change time 20-30min;
- The design of cooling water pipe line fastens the speed of water cooling – the ring design of copper pipe inside mould cavities increases the contact surface, resulting in more efficient cooling and smooth product surface.
- Application of electric digital proportional valve: adopt imported electric digital proportional valve with linear position sensor to efficiently and accurately control the proportion of opening scale of the angle seat valve, and the combination with the digital pressure sensor enables the mold cavity pressure to be linearly stable, which changes the analog control of door open and close of traditional equipment. Imported brands of valve guarantees the stable quality of products, effectively saving steam, air, and other energy consumption;
- The bypass line of the latest heating system of EPS molding machine can effectively reduce the molding time and steam energy consumption.



* Patented

Energy-Saving EPS Shape Moulding Machine



Product Details



- SIMENS PLC & Customized 15" Industrial Touch Screen (Wifi support & Remote Control)
- Intelligent Big Data Management & Control System: Remote monitoring machine status, fault feedback, remote maintenance;
- Germany GEMU valve system & Single Valve Locator Digital Proportional Control.
- Efficient steaming: Multiple PID valve pipe system monitoring steaming: 1~2 bar big steaming by two steaming pipes, 2~2.5 bar by PID digital model locator valve to monitor steaming => fast & accurate steam.
- Precisely matched Germany BOSCH hydraulic system; SIMENS motor provides stable and long service life; Cruise speed 350mm/s
- Anti-rust processing: Welding --> Heat treatment --> Ball blasting --> Twice anti rust painting --> Thermal zinc coating --> Color painting (American DUPONT heavy anti-rust paint)
- Efficient vacuum: SIMENS vacuum pump, advanced water & air cooling system; Stainless filling materials inside vacuum tank greatly improves vacuum speed. Product rate of water < 5%
- Equal lock strips ensure no steam leaking in long period, improving heat efficiency.
- Pressurized (2~4 bar) hopper filling system, patent owned, 0 leakage, min. filling time and max. filling volume.
- Double Venturi hoppers design, faster and cleaner feeding
- Multi-security system
- Product cycle time: 30~60s
- Central vacuum system to save 50% energy consumption



Central vacuum system



- Adopts Siemens intelligent control system and User-friendly Windows embedded system operation interface result in simple & convenient & intelligent operation;
- The control method combined of Imported electric proportional valve, linear position sensor and pressure sensor --- perfectly matches the control system, enabling material feeding, heating, blowing, and water cooling, etc. to be more accurate, stable, reliable and efficient;
- The latest production molding technology results in convenient and efficient operation, the production efficiency is thus improved.

TECHNICAL DATA

Machine Type				SMED (Single Minute Exchange of Die)			
				QDCS (Quick Die Change System)			
				Energy Saving			
Item		Unit	ESS1214S/Q/ E	ESS1417S/Q/ E	ESS1618S/Q/ E		
Outer Diameter		mm	5363x3310x4852			5363x3610x5152	5363x3710x5352
Mould Size		mm	1200x1400	1400x1700	1600x1800		
Max.Product Height		mm	350	350	350		
Mould-Open Distance		mm	1200	1200	1200		
Guide Pillar	Outer Diameter	φ	80	80	100		
	Qty	pcs	4	4	4		
Hydraulic Cylinder	Inner Diameter	φ	125	150	150		
	Stroke	mm	1200	1200	1200		
	Lock force	bar	29437	42390	42390		
Material Hopper	Volume	L	145	145	145		
	Qty	pcs	2	2	2		
Steam	Inlet	DN	100	100	100		
	Mould Inlet	DN	65x2	50x4	50x4		
	Pressure	bar	2.5	2.5	2.5		
	Consumption	Kg/cycle	6	7.5	9		
Cooling Water	Inlet	DN	80	80	80		
	Mould Inlet	DN	50	50	50		
	Pressure	bar	4	4	4		
	Consumption	Kg/cycle	40	50-120	60-160		
Vacuum	Connector		100	100	100		
	Drainage	L/h	100	100	100		
Compressed Air	Low Pressure	Inlet	DN	65	65	65	
		Pressure	bar	4	4	4	
	High Pressure	Inlet	DN	50	50	50	
		Pressure	bar	5	5	5	
Hydraulic	Motor	Kw	7.5	11	11		
	Volume	L	400	400	400		

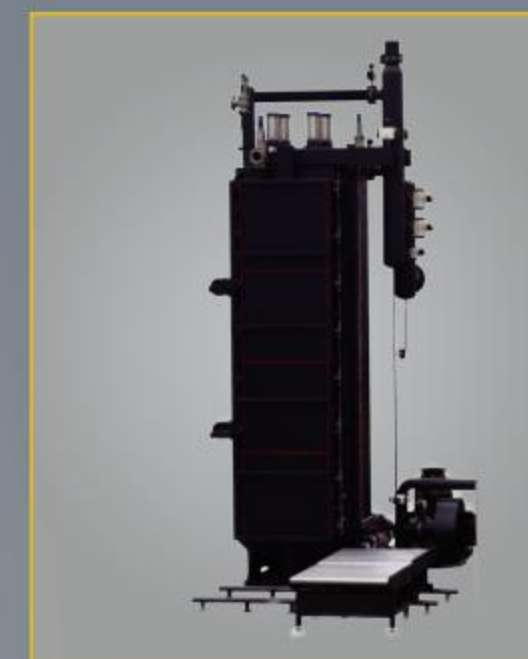
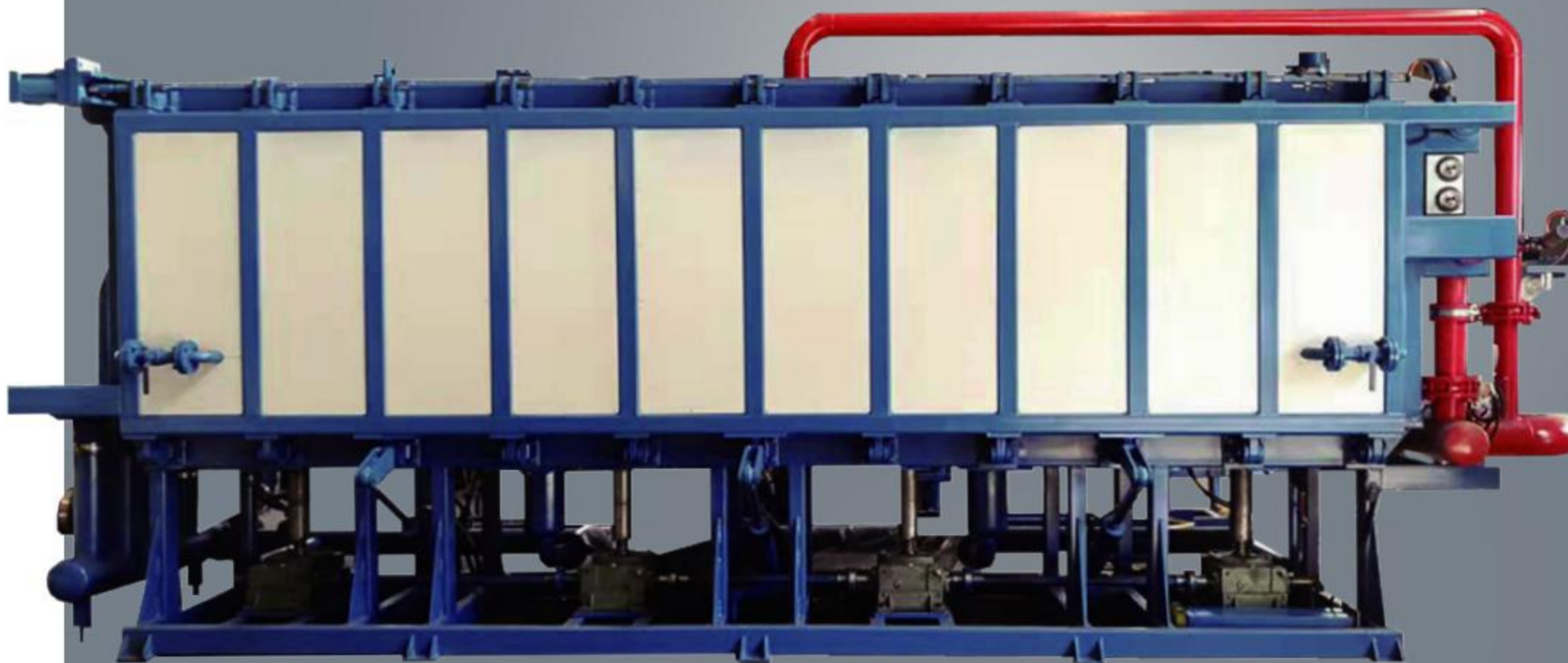
Note: Machines are highly customized according to customer's requirement.

Automatic Block Moulding Machine

ESB200-800A/V

Functions & Features

- Block size is adjustable both on width and length, screw cylinder is controlled by coder, users only need to set on touch screen, the machine can automatically adjust the block size with less edges.

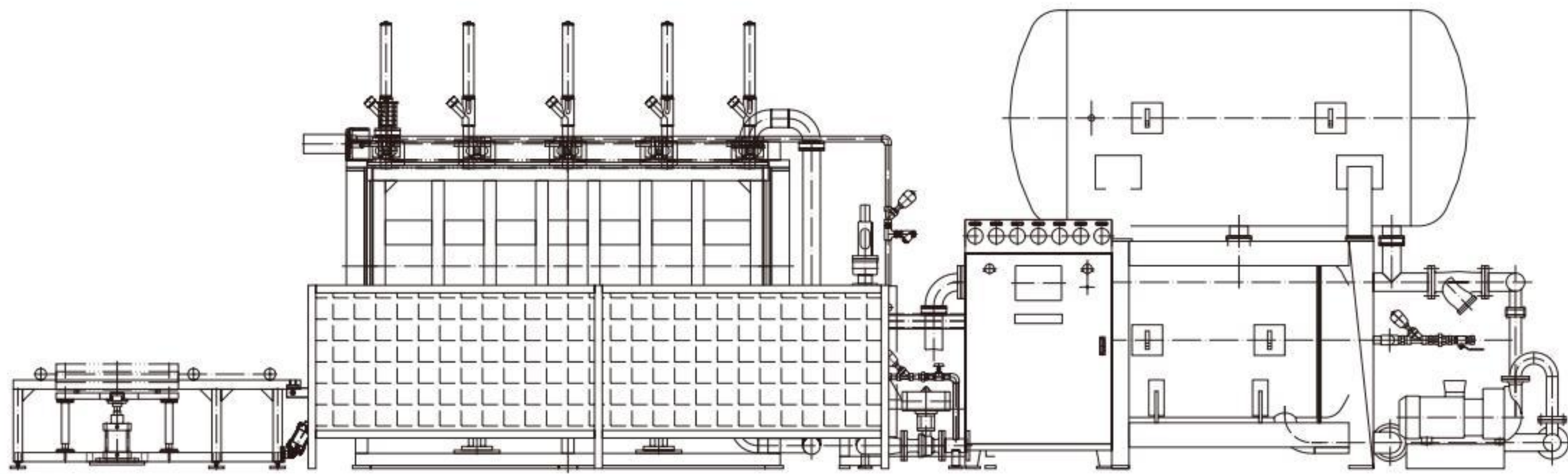


TECHNICAL DATA

Item		ESB200V	ESB200A	ESB400V	ESB400A	ESB600V	ESB600A
Mould Cavity Size		2040×1240 ×1030(mm)	2040×1240 ×630(mm)	4100×1240× 1030(mm)	4080×1240× 630(mm)	6100×1240× 1030(mm)	6100×1240× 630(mm)
Block size		2000×1200 ×1000(mm)	2000×1200× 600(mm)	4000×1200× 1000(mm)	4000×1200× 600(mm)	6000×1200× 1000(mm)	6000×1200× 600(mm)
Steam	Entry Consumption Pressure	DN100 30~50kg/cycle 0.8Mpa	DN100 20~30kg/cycle 0.8Mpa	DN150 60~90kg/cycle 0.8Mpa	DN125 45~55kg/cycle 0.8Mpa	DN150 100~130kg/cycle 0.8Mpa	DN150 60~70kg/cycle 0.8Mpa
Compressed Air	Entry Consumption Pressure	DN40 1.5-2m³/cycle 0.6Mpa	DN40 1-1.5m³/cycle 0.6Mpa	DN40 2-2.5m³/cycle 0.6Mpa	DN40 1.8-2m³/cycle 0.6Mpa	DN200 120~170m³/cycle 0.6Mpa	DN40 120~170m³/cycle 0.6Mpa
Cooling Water	Entry Consumption Pressure	DN40 0.2-0.4m³/cycle 0.4-0.6Mpa		DN40 0.6-0.8m³/cycle 0.4-0.6Mpa		DN40 2.5-3m³/cycle 0.4-0.6Mpa	
Drainage	Vacuum drain Steam vent Condensate Blower outlet	∅ 125mm ∅ 150mm ∅ 100mm ∅ 125mm	∅ 125mm ∅ 125mm	∅ 125mm ∅ 200mm ∅ 100mm ∅ 150mm	∅ 200mm ∅ 150mm	∅ 125mm ∅ 250mm ∅ 100mm ∅ 150mm	∅ 200mm ∅ 150mm
Throughput	15kg/m³	5min/cycle	5-12min/cycle	7min/cycle	7-18min/cycle	8min/cycle	8-18min/cycle
Connected Load		20.5-24.5KW	9.5min/cycle	24.5-35.5KW	13KW	24.5-35.5KW	13KW
Overall Dimension	(LxWxH)	5700×4000× 2850(mm)	4000×2150× 2120(mm)	11000×4500 x3000(mm)	6040×2270× 2250(mm)	12600×3960× 2906(mm)	8100×2500× 3100(mm)
Weight		6000 kg	4200 kg	12000 kg	8500 kg	15000 kg	9500 kg
Room Height Required		6000mm	6000mm	6000mm	6000mm	6000mm	6000mm

Note: Machines are highly customized according to customer's requirement.

● Machine Layout



● Main features

Machine structure:

- The machine mold are welded by strong rectangle tube and steel plate which make high strength to keep more safety of the machine.
- All block mold frames are heat-treated to release the welding stress, so that the frames would not be deformed.
- After heating treatment, all mold frames are processed by sand blasting treatment to keep the rust away, then under coat and finishing coat are greatly improved with anticorrosion performance and long life.
- Adopts three Germany gauges and safety valve for multi-safety protection. The machine will be tested by water pressure and steam , ensure the machine more stable and safe.

Steam system:

Three ball valves, comparing one big steam valve control system, saves 20% steam, with ISO-standard butterfly valves, greatly improve stability and long life.

Control system:

- Adopts PLC (Mitsubishi) and touch screen (Schneider) for easy operation.
- Equipped material level sensor to control the filling. The foam pressure sensor is optional and the whole procedure for filling, heating, cooling will be controlled automatically by PLC.





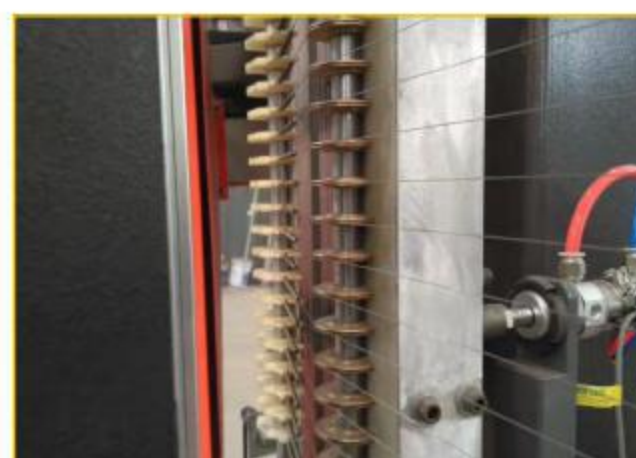
Continuous Cutting Machine

ESSC400/600/800



● Functions & Features

The machine has strong frame, voltage adjustment device, big transformer and frequency control of motor speed, which makes multi-wire cutting and speed control available.



TECHNICAL DATA

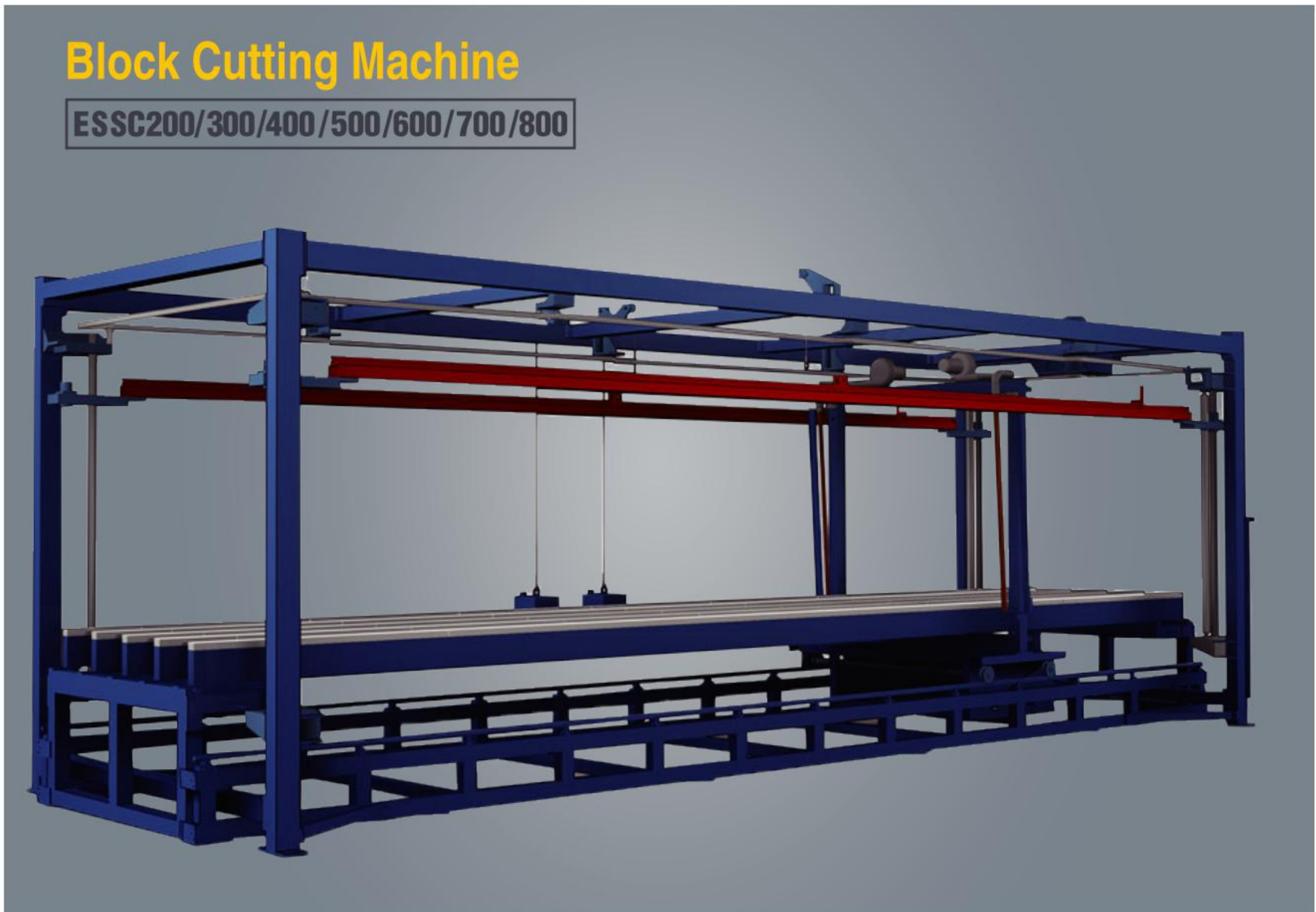
Vibration cutting machine		Model	ESSC-6000
Original block size to be cut		mm	(6060*1250*630)
Contour measurement (L*W*H)		mm	23000*6800*3200
Finished cutting size	Length	mm	2440
	Width	mm	1000-1250
	Height	mm	500-1260
Cutting size	horizontal	mm	≥10
	vertical	mm	≥200
	Piece cut	mm	≥300
Cutting speed		m/min	0.3-1.5
cutting hot-wire diameter		mm	0.4 – 0.6
Power voltage		V/Hz	
Original block conveyor	Drive	kw	0.75,0.55,0.37,1.1
	Speed	Ratio	1/50
Thickness cutting and peeling cutting	Drive	kw	1.5
	Speed	Ratio	1/7.5
Length cutting	Drive	kw	4
	Speed	Ratio	1/3

Note : Machines are highly customized according to customer's requirement.



Block Cutting Machine

ESSC200/300/400/500/600/700/800



◆ Functions & Features

The machine has strong frame, voltage adjustment device, big transformer and frequency control of motor speed, which makes multi-wire cutting and speed control available.

TECHNICAL DATA

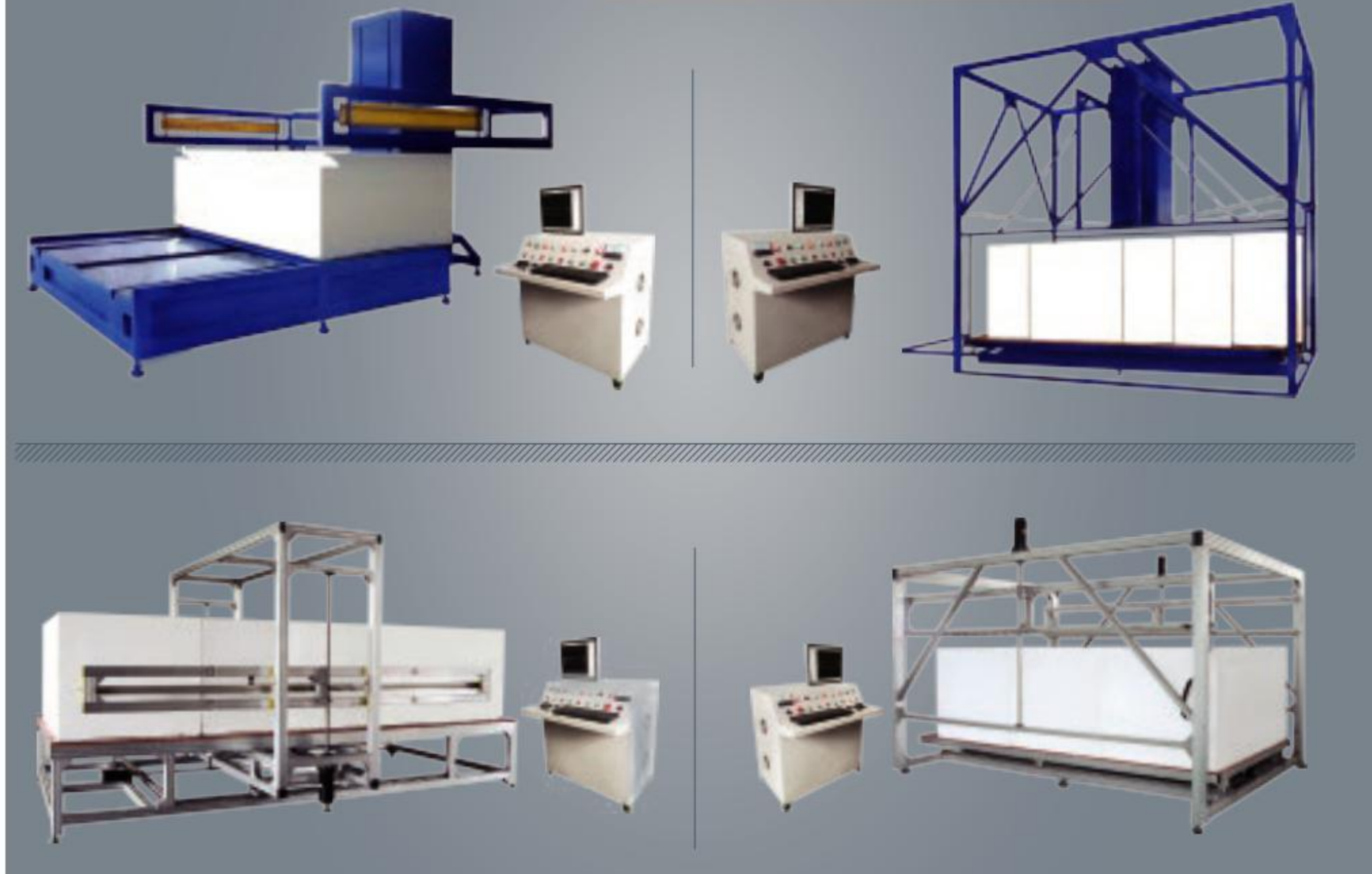
Item	ESS200C	ESS400C	ESS600C	ESS800C
Max cutting block size	2000x1300x1300mm	4000x1300x1300mm	6000x1300x1300mm	8000x1300x1300mm
Connected Load	22.3KW	22.3KW	22.3KW	22.3KW
Overall dimension	4400x2600x3250mm	6400x2600x3250mm	8400x2600x3250mm	10400x2600x3250mm
Weight	1300kg	2000kg	2800kg	3200kg

Note: Machines are highly customized according to customer's requirement.

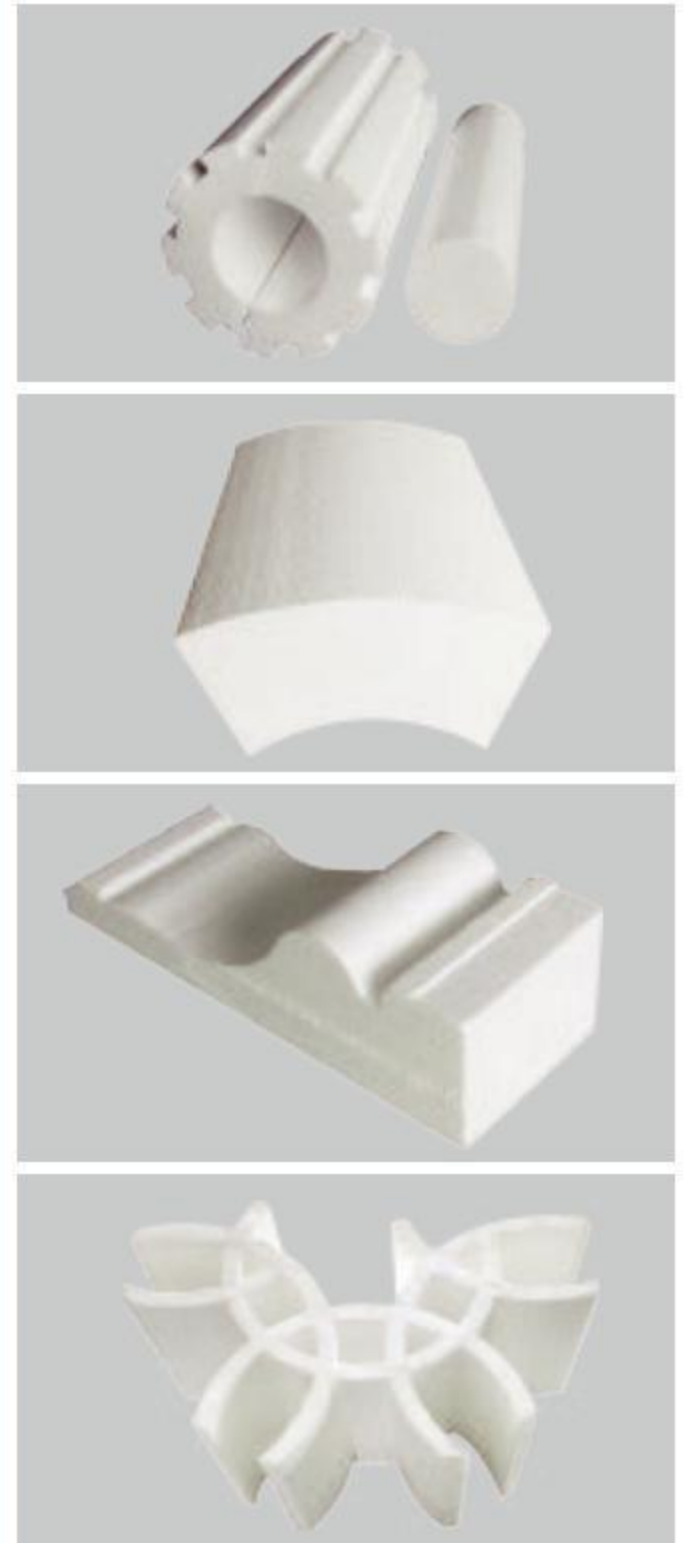


CNC Cutting Machine

ESCNC200/300/400SL/2D/3D



Products



Functions & Features

- a. The aluminum frame is highly stable and accurate
- b. The cutting line adopts stepping motor which is very stable and could be timing freely, this matches the requirement for cutting special shapes with frequently changeable timing, the accuracy is 0.5mm
- c. Voltage regulation: the cutting line is equipped with a 3kW transformer, electrically adjustable output voltage is 0-70v, 20 heating wires could be equipped, so 20 same images or characters could be cut simultaneously
- d. The cutting line is equipped with famed brand PC installed with English version drawing and cutting software which is very easily operated, customers only need to draw images with the drawing software and transfer them into cutting codes by cutting software, the cutting line will automatically finish all the other jobs
- e. The touch screen shows the images being cut and can trace the cutting process. Cutting speed is adjustable, maximum speed could be 4000mm/min. Parameter setting is quite simple
- f. The cutting line has stroke protection function, when the running stroke exceeds regulated stroke, the cutting line shall stop running automatically, besides, the cutting line also has functions like power-off memory, reverse cut and rotation, mirror symmetry and backlash compensation, etc.



TECHNICAL DATA

Item	Unit	ESCNC200SL	ESCNC300SL	ESCNC400SL
Max cutting block size	mm	2000x1500x(1250-1500)	3000x1500x(1250-1500)	4000x1500x(1250-1500)
Cutting wire	mm	Φ0.4G20Ni80	Φ0.4G20Ni80	Φ0.4G20Ni80
Stepping motor torque	N.m	18	18	18
Power	kW	5	5	3
Cutting speed	M/min	0-4	0-4	0-4
Cutting transformer	Capacity	KVA	3	3
	Voltage	V	0-70(adjustable)	0-70(adjustable)
Overall dimension	mm	3500x2500x3600	4500x2500x2600	5500x2500x2600
Weight	Kg	500	650	750

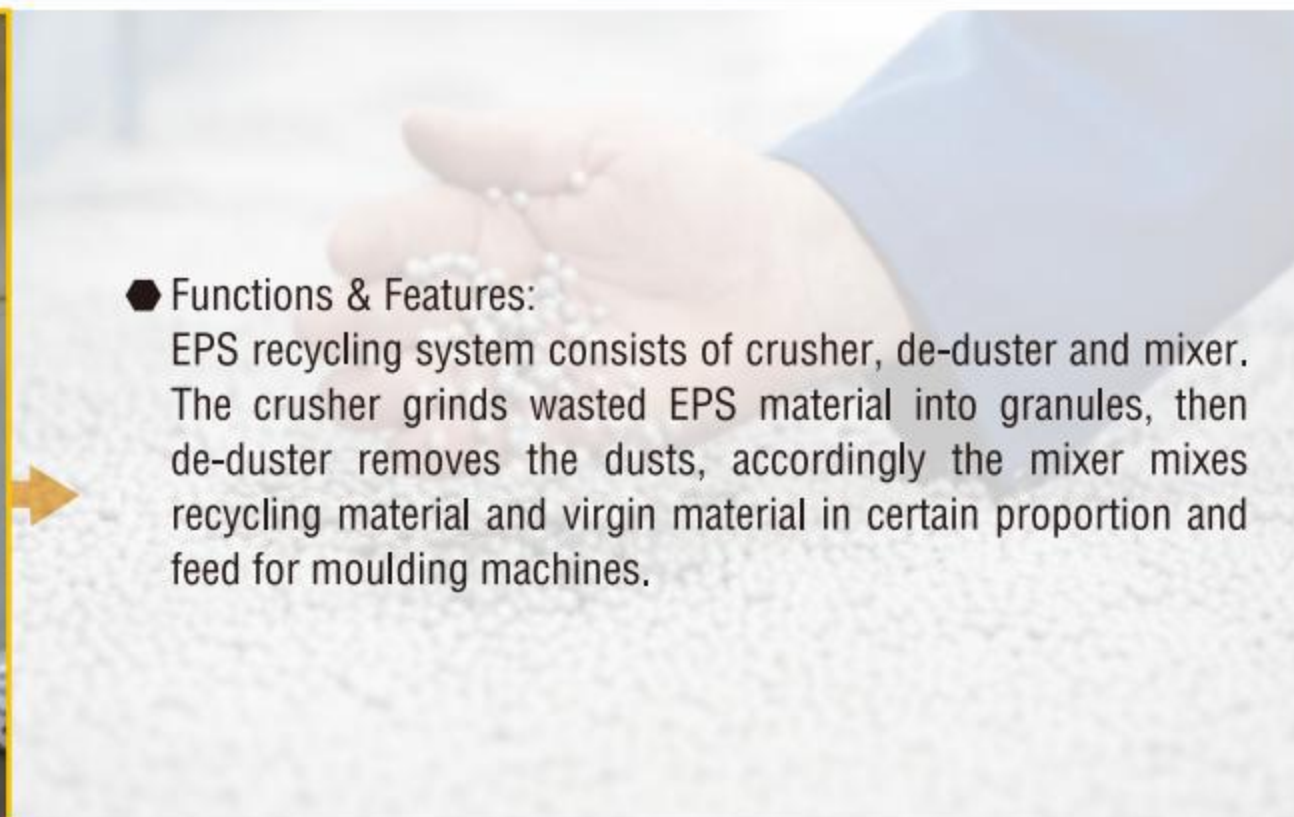
Note: Machines are highly customized according to customer's requirement.

Recycling System

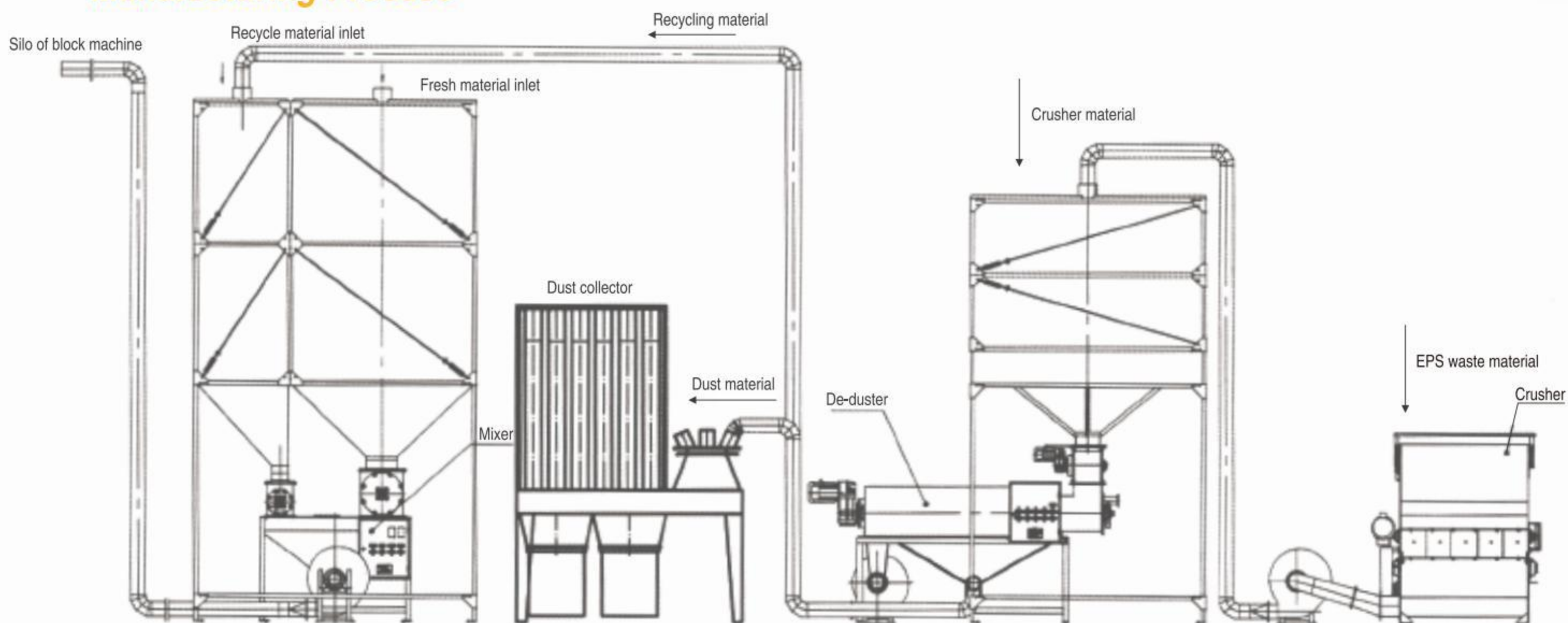


● **Functions & Features:**

EPS recycling system consists of crusher, de-duster and mixer. The crusher grinds wasted EPS material into granules, then de-duster removes the dusts, accordingly the mixer mixes recycling material and virgin material in certain proportion and feed for moulding machines.



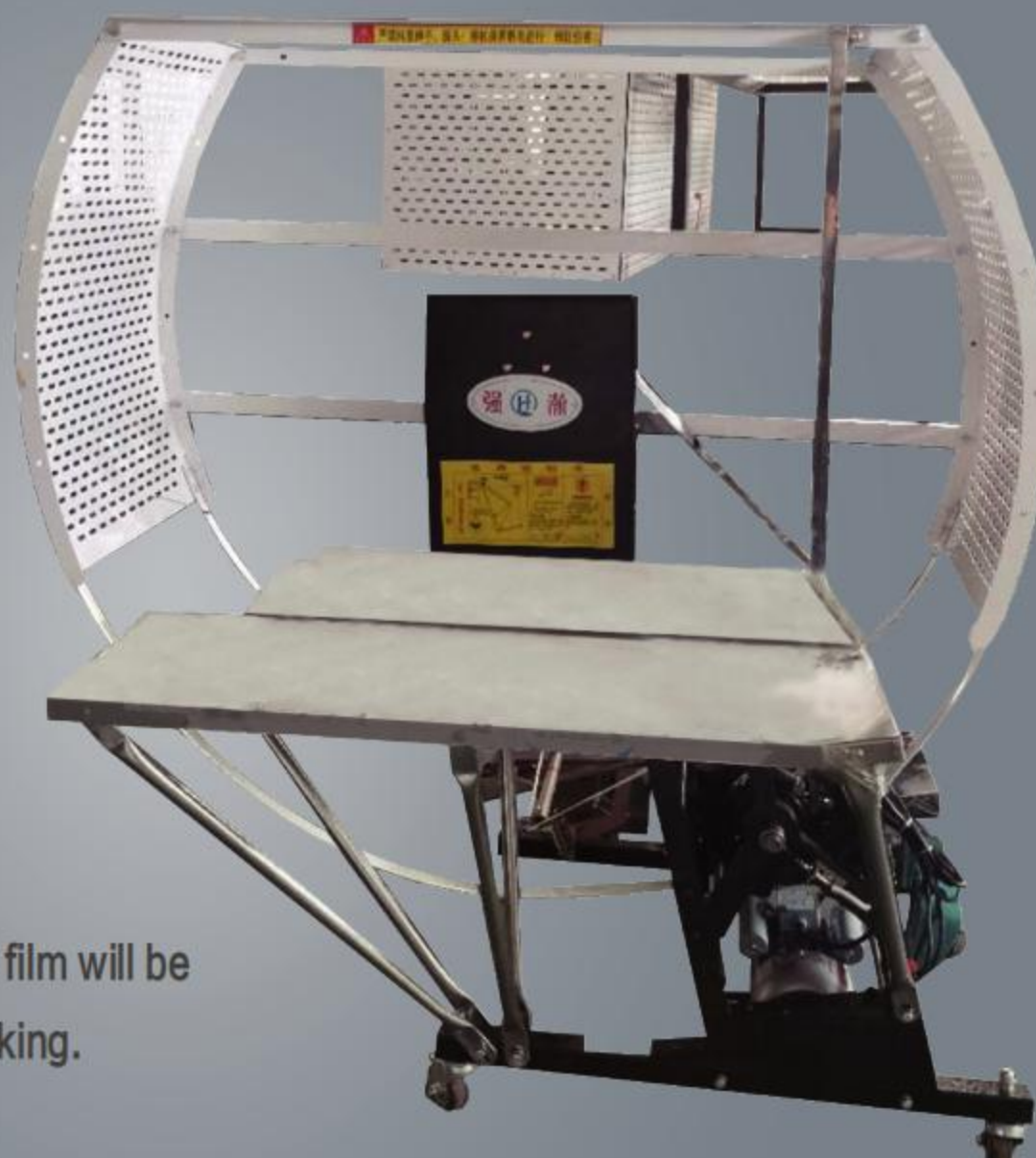
Manufacturing Process



Packing Machine

Model: 1000/1200/1500mm

- Voltage: 220v 50hz
- Connected Load: 0.55Kw
- Rated Current: 1.2A
- Machine Weight: 300-400kgs
- Step on the pedal, and release, the film will be wrapped on the goods to finish packing.





EPS Pelletizer



● Main Features

Features: Compact structure of the whole machine, which will occupy less space. High production capacity, energy-saving, environmental protection and recycling in time.

Use: EPS scraps change into PS materials after melting, extrusion, and cooling process, this PS is used in a variety of plastic products and XPS blocks.

TECHNICAL DATA

Item	Screw dia.(mm)	Long da.ratio	Output(kg/h)	Screw rotate speed(r/pm)	Power connection(kw)
FPU-160-90	∅160、∅90	4:1~8:1	50~70	560/65	29
FPU-185-105	∅185、∅105	4:1~8:1	100~150	560/65	45

Note: Machines are highly customized according to customer's requirement.

Auxiliary Equipment



● Steam Boiler & Steam Accumulator



● Air compressor



● Pipe System



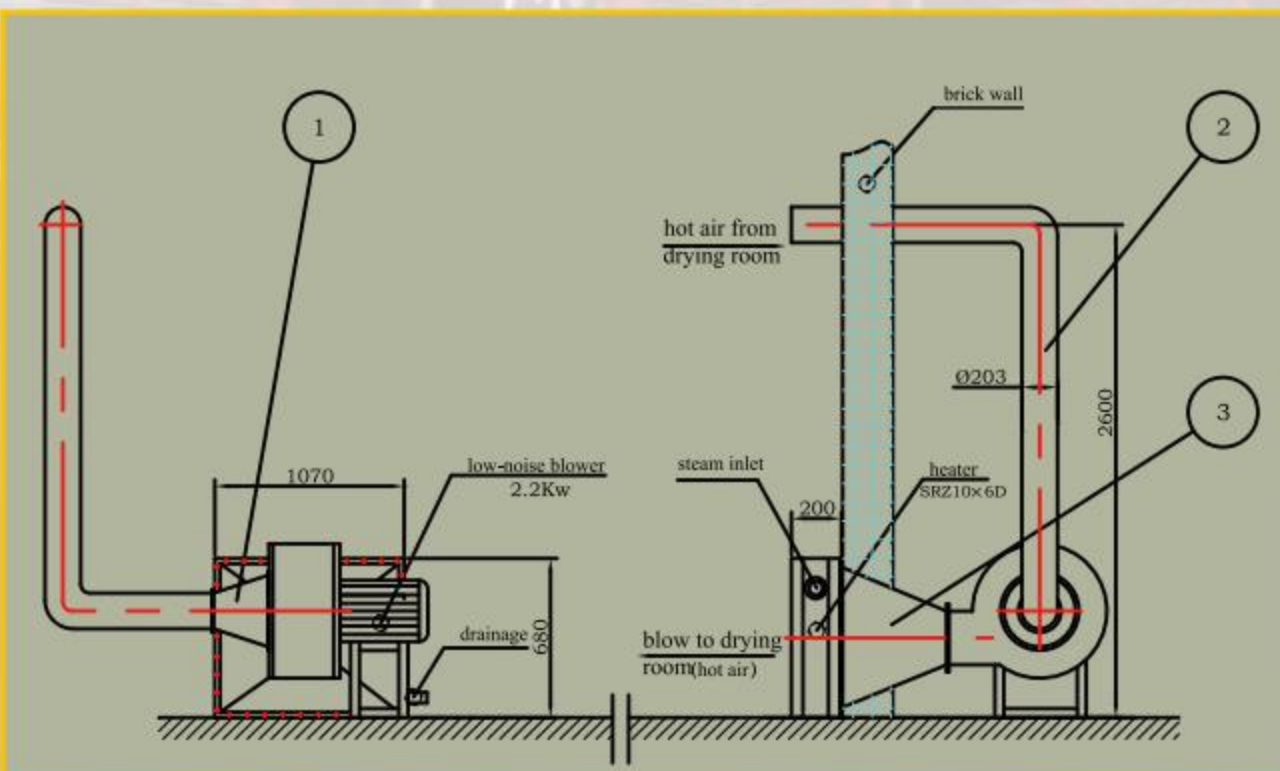
● Automatic Fire-proof Silo System



● Cooling Water Tower



● Water Stabilization System



● Heating room



● Package Machine

Tour in Customers' Factory

• Part 1



• Part 2



• Part 3





Contact information



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