HANGZHOU SUTUAN MACHINERY CO.,LTD

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SUTUAN

HANGZHOU SUTUAN MACHINERY CO.,LTD

Professional EPS/EPP/ETPU Machinery Manufacture

CONTENT

Company Profiles

Hangzhou Sutuan Machinery Co., Ltd. is a comprehensive entity enterprise of EPS, EPP, ETPU and other high-end intelligent plastic machines integrating R&D, production, sales and one-stop turnkey engineering services. We help foam plastic users solve systematic problems in the production line and provide a complete set of project design, rectification, upgrading, engineering installation and other operational solutions. Ensure users to achieve a small site, large capacity, less labor, low energy consumption of high-end production economic value!

Our company integrates production and research in many fields of the foam machine series, and innovates and develops all kinds of high-end models, bringing real and cost-effective plastic machine products for the majority of users.

Full-automatic EPS/EPP molding machine is designed as a universal device for one-button mold change, which is a high-tech, multifunctional and energy-saving model developed by our company. The efficiency of mold change only takes 5 minutes to complete. Built-in mold without mold frame air chamber, with its own water cooling pipe for mold cooling, without a lot of labor costs for mold and accessories installation, this machine installed heat insulation layer design, to achieve very low steam consumption!

INTRODUCTION FOR SUTUAN 杭州塑团机械有限公司

About Us

The Sutuan spirit of "pragmatic, pioneering, innovative, persistent" is the foundation of the group culture; Enterprise slogan: "Shape the future, team first, innovation and development, return to the society" "people-oriented, cost, scale capital" "three" management philosophy leads the group to seize the opportunity of development again and again, do fine, stronger. We do not forget our original aspiration, the ideal of industrial service to the country, to "equip China, equip the world" as our own responsibility, and continue to create high-quality, internationally competitive products, service global customers!

Enterprise Culture

Plastic group spirit: pragmatic, pioneering, innovative, persistent

Plastic ball Machinery was founded in Hangzhou in 2015. Looking back on the brilliant history over the years, with the cooperation of the chairman and all colleagues, he has shown the unique charm of a generation of private entrepreneurs with his indomitable perseverance and courage to innovate. He takes stock of the situation, looks forward, has the courage to develop, and has the courage to innovate, leading the group to seize the opportunity of development and realize new leaps. We are immersed in the vast ocean of industrial technology, the network of development. "Sotuan" is more than just an enterprise - we have the natural trust rooted in our relatives, we take the responsibility of "serving our employees and giving back to the society", and always strive for sustainable development strategy!

Plastic group purpose: to serve the plastic industry, loyal to the team, innovation and development, return to society

According to the idea of "industry related, common development", we develop machines and equipment to adapt to the needs of different industries, which meet the practical needs of many important industrial fields at present, and also conform to the development direction of future industry.

Mission: Shaping the future, team first, plastic group manufacturing, equipment world

With energy-saving and innovative driving solutions and related technologies, it has made outstanding contributions to promoting global sustainable development and environmental protection, and created competitive advantages for customers.

SUTUAN

"Three" management: people, cost, scale capital

Strong cost consciousness and persistent pursuit of technological innovation from the perspective of customers have been integrated into our daily product research and development process. We actively explore and strive to improve their own efficiency at the same time, but also for customers to create with The Times, more cost-effective solutions, in order to improve their market competitiveness. This has enabled us to maintain a steady growth momentum through the vicissitudes of The Times and the ups and downs of the market over the years, and continue to consolidate our position as an industry leader.

Quality policy: high quality and efficiency, excellence, sincere service, reputation worldwide

We have established a perfect product quality assurance system, and set strict quality control measures in each business process and different nodes, covering every link from raw material procurement, processing, assembly, to the final debugging of products. After the product delivery and operation, we also provide customers with perfect after-sales service, to ensure that customers can be the first time to get support and response.

Application Area

Auto parts:

door lining block,
bumper cushion block,
carpet pad block,
tool box,

Sporting Goods:

water ski,
camping blanket,
surfboard,
gymnastics blanket,

Protective Packaging:

Protective packaging:
Cameras,
mainly used in computers,
medical equipment,

construction:

Building formwork,
floor paving material,
roof lining,
floor heating system,

Food Protective Packaging:

dish,
box microwave tableware,
meat packaging,
disposable tableware

insulation:

hot water pipe,
air conditioning pipe,
storage room insulation,
cooler insulation material

Military Industry:

gasket,
fender material,
shockproof cushion,
greenhouse insulation blanket,

Other:

electrical packaging,
suitcase lining,
mold import,
vvvcstructural parts

SUTUAN

High-end eps 1200 Pre-expander

The main features

- Programmable control and touch screen control, automatic feeding, automatic electrical calculation, automatic control of the temperature and pressure of the chamber, automatic induction material measurement;
  High precision measurement system to ensure accurate feeding;
  The chamber body is made of stainless steel plate with tight structure, high quality closed constant pressure expand, high thermal efficiency, energy saving about 65% than continuous Pre-expander machine;
- High precision Japan stem presure reducing valve and German proportional valve to control the temperature and pressure of the chamber body, electrical components, pneumatic components, etc. are used at internal and abroad famous brands, so as to ensure the stability of the machine, reliability, and long service life;
- The vibration level sensor imported from Korea is used to control the capacity of expand material, so that the density of expand is consistent;
- Automatic discharge using all aluminum alloy plate finishing bottom discharge mode, thus improving the discharge speed, discharge is very dry and static.
- The Fluidized bed Drier system is made of 304 stainless steel.

Equipment parameters

型号 Model			EPS-500ST	EPS-700ST	EPS-900ST	EPS-1200ST
参数 Parameter		单位 Unit				
发料桶体 Feed Barrel Body	桶体直径 Barrel body diameter	mm	Φ500	Φ700	Φ900	Φ1200
	桶体高度 Height of barrel	mm	1094	1294	1394	1594
	桶体体积 Volume of barrel	m^3	1.0	1.2	1.4	1.6
	有效体积 Effective volume	m^3	0.6	0.85	1.05	1.25
蒸汽 Steam	蒸汽入口 Inlet of steam	DN	DN25	Dn40	Dn50	Dn65
	进口压力 Pressure of entry	MPa	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa
压缩气 Compressed Gas	空气入口 Inlet of air	DN	DN40	DN40	DN40	DN40
	进口压力 Pressure of entry	MPa	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa	0.6-0.8MPa
排污 Sewage	排污口 Sewage discharge outlet	DN	DN100	DN100	DN100	DN100
	冷凝水 Condensed water	DN	DN100	DN100	DN100	DN100
生产效率 Efficiency of production		g/l kg/h	15g/l 360kg/h 18g/l 430kg/h 25g/l 600kg/h 32g/l 680kg/h	12g/l 330kg/h 18g/550kg/h 25g/l 770kg/h 32g/l 850kg/h	12g/l 300kg/h 15g/l 390kg/h 20g/l 520kg/h 30g/l 640kg/h	12g/l 530kg/h 15g/l 670kg/h 20g/l 1120kg/h 30g/l 1220kg/h
送料管 Feed pipe		mm	Φ200mm	Φ200mm	Φ200mm	Φ200mm
装机功率 Installed power		kW	13.2KW	14KW	18KW	20.1Kw
发泡密度 Density of foam		g/l	10-70g/l	10-70g/l	10-50g/l	12-30g/l
精度 precision			± %1	± %1	± %1	± %1
外形尺寸 Overall dimensions		mm	6080×2100×3800	6780×2500×4000	6980×2700×4200	7380×3000×4500
机器重量 Weight of machine		kg	1800	2200	3200	4200

SUTUAN

EPS Single Minute Mould Change Series

Hydraulic System

- Famous brand hydraulic components, differential pressure system design, can achieve high speed, low noise operation, the fastest opening and closing mold speed can reach 350mm/s, can achieve high speed, efficient and stable operation;
- Two-point opening and closing mold, the latest mold locking mechanism technology, stable mold locking pressure, to ensure no leakage during production, effectively improve the utilization rate of energy consumption (steam).

Pipeline System

- The inlet, outlet and diameter of each piping system are optimized to minimize the waste of energy consumption and improve the response speed;
- The design of cooling water pipe makes water cooling fast and efficient; Mold cavity copper tube ring design, so that the product contact surface more extensive, more sufficient cooling, product surface more flat

Molding System

- The application of electric digital proportional valve: Using imported electric digital proportional valve plus linear position sensor, efficient and accurate control Angle seat valve proportional opening, combined with digital pressure sensor, so that the cavity pressure can line character stability, changed the traditional equipment of analog control valve switch two kinds of action, and to import valve to ensure the stability of product quality, At the same time effectively save steam and air energy consumption;
- The latest heating system bypass pipeline design of EPS shape molding machine can effectively reduce the shape time and steam energy consumption.

Equipment parameters

型号 Model / 参数 Parameter			单位 Unit	EPS-14001200STYJ	EPS-17001400STYJ	EPS-19001450STYJ
外形尺寸 Overall Dimensions			mm	5363×3310×4852	5363×3610×5152	5363×3710×5352
模面尺寸 Die Surface Size			mm	1400×1200	1700×1400	1900×1450
制品高度 Height Of Product			mm	350	350	350
开合模距离 Mould Opening Distance			mm	1200	1200	1200
导柱 Guide Post	直径 Diameter		mm	80	100	100
	数量 Number		支	4	4	4
油缸 Oil Cylinder	内径 Inner Diameter		Φ	80	100	125
	行程 Stroke		mm	1200	1200	1200
	锁模力 Die Locking Force		bar	18086	28260	44156
料桶 Charging Basket	容积 Volume		L	145	145	145
	数量 Number		个	2	2	2
蒸汽 Steam	进口 Import		DN	100	100	100
	模具进口 Import Of Mould		DN	4~5	4~5	4~5
	压力 Pressure		bar	4~5	5~6	6~7
冷却 Cooling	进口 Import		DN	80	80	80
	模具进口 Entrance Of Mold		DN	25×2	25×2	52×4
	压力 Pressure		bar	4-4.5	4-4.5	4~4.5
真空 Vacuum	接口 Interface			100	125	125
	排污口 Outfall		L/h	100	100	100
空气 Air	低压 Low Pressure	入口 Entrance	DN	65	65	65
		压力 Pressure	bar	5~6	5~6	5~6
	高压 High Pressure	入口 Entrance	DN	50	50	50
		压力 Pressure	bar	6~7	6~7	6~7
液压 Hydraulic	电机 Motor		Kw	7.5	11	11
	油箱容积 Tank Capacity		L	400	400	400

SUTUAN

EPP/EPS Dual-use Single Minute Mould Change Series

Hydraulic Systemtgt

- China adopts well-known brand hydraulic components, differential pressure system design, can achieve high speed, low noise operation, the fastest opening and closing mold speed can reach 350mm/ second, can achieve high speed, efficient and stable operation;
- Two-point opening and closing mold, the latest mold locking mechanism technology, stable mold locking pressure, to ensure no leakage during production, effectively improve the utilization rate of energy consumption (steam).

Pipeline System

- ■ The inlet, outlet and diameter of each piping system are optimized to minimize the waste of energy consumption and improve the response speed;
- ■ Cooling water pipe design, make water cooling fast and efficient: mold cavity copper pipe ring design, make product contact surface more extensive, cooling more fully, product surface more smooth.

Mold Replacement System

- One-button mold change system is optimized and upgraded on the basis of rapid mold change system, so as to achieve faster mold change, mold change time can reach about 5 minutes, better reduce labor costs, mold change efficiency, but also can realize no one to change the mold function.

Control System

- Siemens intelligent control system, humanized Windows embedded system operating interface, so that the operation is more simple and intelligent;
- Adopt imported electric proportional valve plus linear position sensor and pressure sensor control mode, perfect coordination control system, so that feeding, heating, blowing, water cooling more accurate, stable, reliable and efficient;
- The latest production molding technology, make it convenient, efficient control equipment, effectively improve production efficiency.

Equipment parameters

型号 Model				EPS/EPP-14001200STLY	EPS/EPP-17001400STLY	EPS/EPP-19001450STLY
参数 Parameter			单位 Unit			
外形尺寸 Overall Dimensions			mm	5363×3310×4852	5363×3610×5152	5363×3710×5352
模面尺寸 Die Surface Size			mm	1400×1200	1700×1400	1900×1450
制品高度 Height Of Product			mm	350	350	350
开合模距离 Mould Opening Distance			mm	1200	1200	1200
导柱 Guide Post	直径 Diameter		mm	80	100	100
	数量 Number		支	4	4	4
油缸 Oil Cylinder	内径 Inner Diameter		中	80	100	125
	行程 Stroke		mm	1200	1200	1200
	锁模力 Die Locking Force		mm	18086	28260	44156
料桶 Charging Basket	容积 Volume		L	145	145	145
	数量 Number		个	2	2	2
蒸汽 Steam	进口 Import		DN	100	100	100
	模具进口 Import Of Mould		DN	4~5	4~5	4~5
	压力 Pressure		bar	4~5	5~6	6~7
冷却 Cooling	进口 Import		DN	80	80	80
	模具进口 Entrance Of Mold		DN	25×2	25×2	52×4
	压力 Pressure		bar	4-4.5	4-4.5	4~4.5
真空 Vacuum	接口 Interface			100	125	125
	排污口 Outfall		L/h	100	100	100
空气 Air	低压 Low Pressure	入口 Entrance	DN	65	65	65
		压力 Pressure	bar	5~6	5~6	5~6
	高压 High Pressure	入口 Entrance	DN	50	50	50
		压力 Pressure	bar	6~7	6~7	6~7
液压 Hydraulic	电机 Motor		Kw	7.5	11	11
	油箱容积 Tank Capacity		L	400	400	400

SUTUAN

EPP Efficient High-end Single Minute Mould Change Series

Hydraulic System

- Famous brand hydraulic components, differential pressure system design, can achieve high speed, low noise operation, the fastest opening and closing mold speed can reach 350mm/s, can achieve high speed, efficient and stable operation;
- Two-point opening and closing mold, the latest mold locking mechanism technology, stable mold locking pressure, to ensure no leakage during production, effectively improve the utilization rate of energy consumption (steam).

Control System

- Siemens intelligent control system, humanized Windows embedded system operating interface, so that the operation more simple, intelligent;
- Adopt imported electropneumatic proportional valve plus linear position sensor and pressure sensor control mode, perfect coordination control system, so that feeding, heating, blowing, water cooling more accurate, stable, reliable and efficient;
- The latest production molding technology, make it convenient, efficient control equipment, effectively improve production efficiency.

Pipeline System

- The inlet, outlet and diameter of the piping system are optimized to minimize the waste of energy consumption and improve the response speed. The design of cooling water pipe makes water cooling fast and efficient;
- Mold cavity copper tube ring design, so that the product contact surface is more extensive, cooling more fully, the product surface is more smooth.

Equipment parameters

型号 Model / 参数 Parameter			单位 Unit	EPP-14001200STJN	EPP-17001400STJN	EPP-19001450STJN
外形尺寸 Overall Dimensions			mm	5363×3310×4852	5363×3610×5152	5363×3710×5352
模面尺寸 Die Surface Size			mm	1400×1200	1700×1400	1900×1450
制品高度 Height Of Product			mm	350	350	350
开合模距离 Mould Opening Distance			mm	1200	1200	1200
导柱 Guide Post	直径 Diameter		mm	80	100	100
	数量 Number		支	4	4	4
油缸 Oil Cylinder	内径 Inner Diameter		φ	80	100	125
	行程 Stroke		mm	1200	1200	1200
	锁模力 Die Locking Force		bar	18086	28260	44156
料桶 Charging Basket	容积 Volume		L	145	145	145
	数量 Number		个	2	2	2
蒸汽 Steam	进口 Import		DN	100	100	100
	模具进口 Import Of Mould		DN	4~5	4~5	4~5
	压力 Pressure		bar	4~5	5~6	6~7
冷却 Cooling	进口 Import		DN	80	80	80
	模具进口 Entrance Of Mold		DN	25×2	25×2	52×4
	压力 Pressure		bar	4-4.5	4-4.5	4~4.5
真空 Vacuum	接口 Interface			100	125	125
	排污口 Outfall		L/h	100	100	100
空气 Air	低压 Low Pressure	入口 Entrance	DN	65	65	65
		压力 Pressure	bar	5~6	5~6	5~6
	高压 High Pressure	入口 Entrance	DN	50	50	50
		压力 Pressure	bar	6~7	6~7	6~7
液压 Hydraulic	电机 Motor		Kw	7.5	11	11
	油箱容积 Tank Capacity		L	400	400	400

SUTUAN

EPS Efficient High-end Energy-Saving Series

Hydraulic System

- Famous brand hydraulic components, differential pressure system design, can achieve high speed, low noise operation, the fastest opening and closing mold speed can reach 350mm/s, can achieve high speed, efficient and stable operation;
- Two-point opening and closing mold, the latest mold locking mechanism technology, stable mold locking pressure, to ensure no leakage during production, effectively improve the utilization rate of energy consumption (steam).

Molding System

- The use of digital pressure sensor, so that the cavity pressure can line character stability, change the traditional equipment analog control valve switch two kinds of action, and to import valves to ensure the stability of product quality, while effectively save steam, air and other energy consumption;
- The latest heating system bypass pipeline design of EPS shape molding machine can effectively reduce the forming time and steam energy consumption.

Control System

- Siemens intelligent control system, humanized Windows embedded system operating interface, so that the operation more simple, intelligent;
- Using pressure sensor control mode, perfect coordination control system, so that feeding, heating, blowing, water cooling more accurate, stable, reliable, efficient; The latest production molding technology, make it convenient, efficient control equipment, effectively improve production efficiency.

Equipment parameters

型号 Model / 参数 Parameter		单位 Unit	EPS-1200ST	EPS-1400ST	EPS-1600ST	EPS-1800ST	EPS-2000ST
模具尺寸 Mould Size		mm	1200×1100	1400×1200	1600×1400	1800×1600	2000×1800
成品尺寸 Product Size		mm	1100×1000	1300X1100	1500×1300	1700×1500	1900×1700
成品高度 Finished Product Height		mm	420	420	420	420	420
开模行程 Open Mold Trip	最大间隔 Max Interval	mm	1450	1450	1450	1450	1450
	最小间隔 Min Interval	mm	150	150	150	150	150
导柱 Guide Post	外径 External Diameter	mm	80	80	100	100	100
	数量 Quantity	set	4	4	4	4	4
油缸 Cylinder	内径 Internal Diameter	mm	1×125	1×125	2×100	2×125	2×125
	行程 Trip	mm	1250	1250	1250	1250	1250
蒸汽系统 Steam System	主要入口 Input	Dn	100	100	100	125	125
	模具入口 Mould Input	qty*dn	4×DN50	4×DN50	4×DN50	4×DN50	4×DN50
	工作压力 Pressure	kg/cm	3.5~5	3.5~5	3.5~5	3.5~5	3.5~5
冷却系统 Water Cooling System	主要入口 Input	inch	65	65	65	100	100
	模具入口 Mould Input	inch*qty	1"×4	1"×4	1"×4	1"×4	1"×4
	工作压力 Pressure	bar	4-6	4-6	4-6	4-6	4-6
	水温 Temperature	°c	55~60	55~60	55~60	55~60	55~60
压缩空气 Compressed Air	入口口径 Input	Dn	65	65	65	65	65
	工作压力 Pressure	bar	5~6	5~6	5~6	5~6	5~6
排污口 Sewage Outlet	管径 Pipe Diameter	英寸 Inch	125	125	125	150	150
电动机 Electric Motor	液压用 Hydraulic	kw	7.5	7.5	7.5	11.0	11.0
	入料用 Material Feeding	kw	2.2	2.2	2.2	2.2	2.2
产品尺寸 Product Size	长 Long	mm	4700	4700	4700	4700	4700
	宽 Wide	mm	1720	1920	2130	2030	2230
	高 High	mm	3050	3250	3450	3550	3650
产品重量 Product Weight		t	5.50	6.00	6.50	7.00	8.00

SUTUAN

EPS 2600 Twelve Cavities Vegetable Box Special Machine

Hydraulic System

- Famous brand hydraulic components, differential pressure system design, can achieve high speed, low noise operation, the fastest opening and closing mold speed can reach 350mm/s, can achieve high speed, efficient and stable operation;
- Two-point opening and closing mold, the latest mold locking mechanism technology, stable mold locking pressure, to ensure no leakage during production, effectively improve the utilization rate of energy consumption (steam).

Control System

- Siemens intelligent control system, humanized Windows embedded system operating interface, so that the operation more simple, intelligent;
- Adopt imported electropneumatic proportional valve plus linear position sensor and pressure sensor control mode, perfect coordination control system, so that feeding, heating, blowing, water cooling more accurate, stable, reliable and efficient;
- The latest production molding technology, make it convenient, efficient control equipment, effectively improve production efficiency.

Pipeline System

- The inlet, outlet and diameter of the piping system are optimized to minimize the waste of energy consumption and improve the response speed. The design of cooling water pipe makes water cooling fast and efficient; Mold cavity copper tube ring design, so that the product contact surface is more extensive, cooling more fully, the product surface is more smooth.
- The use of digital pressure sensor, so that the cavity pressure can line character stability, change the traditional equipment analog control valve switch two kinds of action, and to import valves to ensure the stability of product quality, while effectively save steam, air energy consumption;

Equipment parameters

型号 Model				EPS-2600ST
参数 Parameter			单位 Unit	
外形尺寸 Overall Dimensions			mm	5500×3000×4500
模面尺寸 Die Surface Size			mm	2200×2100
制品高度 Height Of Product			mm	400
开合模距离 Mould Opening Distance			mm	1350
导柱 Guide Post	直径 Diameter		mm	Φ100
	数量 Number		支	4
油缸 Oil Cylinder	内径 Inner Diameter		φ	2
	行程 Stroke		mm	1350
料桶 Charging Basket	容积 Volume		L	110
	数量 Number		个	1
蒸汽 Steam	进口 Import		DN	125
	模具进口 Import Of Mould		DN	50×6
	压力 Pressure		bar	4~5
冷却 Cooling	进口 Import		DN	125
	模具进口 Entrance Of Mold		DN	32×6
	压力 Pressure		bar	4-4.5
真空 Vacuum	接口 Interface			150
	排污口 Outfall		L/h	200
空气 Air	低压 Low Pressure	入口 Entrance	DN	100
		压力 Pressure	bar	4~5
	高压 High Pressure	入口 Entrance	DN	50
		压力 Pressure	bar	5~6
液压 Hydraulic	电机 Motor		Kw	11
	油箱容积 Tank Capacity		L	300

SUTUAN

EPS Efficient High-end Helmet Special Machine

Hydraulic System

- Famous brand hydraulic components, differential pressure system design, can achieve high speed, low noise operation, the fastest opening and closing mold speed can reach 350mm/s, can achieve high speed, efficient and stable operation;
- Two-point opening and closing mold, the latest mold locking mechanism technology, stable mold locking pressure, to ensure no leakage during production, effectively improve the utilization rate of energy consumption (steam).

Control System

- Siemens intelligent control system, humanized Windows embedded system operating interface, so that the operation more simple, intelligent;
- Adopt imported electropneumatic proportional valve plus linear position sensor and pressure sensor control mode, perfect coordination control system, so that feeding, heating, blowing, water cooling more accurate, stable, reliable and efficient;
- The latest production molding technology, make it convenient, efficient control equipment, effectively improve production efficiency.

Pipeline System

- The inlet, outlet and diameter of the piping system are optimized to minimize the waste of energy consumption and improve the response speed. The design of cooling water pipe makes water cooling fast and efficient;
- Mold cavity copper tube ring design, so that the product contact surface is more extensive, cooling more fully, the product surface is more smooth.

Equipment parameters

型号 Model				EPS-1200900STTH
参数 Parameter			单位 Unit	
外形尺寸 Overall Dimensions			mm	5026×2540×3222
模面尺寸 Die Surface Size			mm	1200×900
制品高度 Height Of Product			mm	350
开合模距离 Mould Opening Distance			mm	1200
导柱 Guide Post	直径 Diameter		mm	80
	数量 Number		支	4
油缸 Oil Cylinder	内径 Inner Diameter		Φ	80
	行程 Stroke		mm	1200
料桶 Charging Basket	容积 Volume		L	50
	数量 Number		个	3
蒸汽 Steam	进口 Import		DN	80
	压力 Pressure		bar	4~5
冷却 Cooling	进口 Import		DN	50
	压力 Pressure		bar	4-4.5
真空 Vacuum	接口 Interface			100
	排污口 Outfall		L/h	100
空气 Air	低压 Low Pressure	入口 Entrance	DN	65
		压力 Pressure	bar	4~5
	高压 High Pressure	入口 Entrance	DN	50
		压力 Pressure	bar	5~6
液压 Hydraulic	电机 Motor		Kw	5.5
	油箱容积 Tank Capacity		L	300

SUTUAN

Automatic Central Vacuum System

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High Performance Vacuum Assisted Cooling Systems

- It is composed of cooling water supply, pipeline and large condenser. Based on the principle of water vapor exchange, a gas-liquid exchange mode is formed between hot steam vapor hydrate and liquid after it enters the central vacuum condenser through the main pipe. At the same time, through multiple partitions and layout optimization, the gas temperature can be reduced to below 40 degrees Celsius after exchange in accordance with the setting mode, so as to achieve efficient condensation.
- Its cooling water supply system has two groups of control, and the corresponding level switch controls its normal start and stop action. At the same time, the temperature detection device on the equipment can correctly determine the actual gas supply temperature, so as to adjust the water to achieve the goal of energy saving.

Drainge Modules

- Collect the water vapor mixture from the vacuum pump through the large-diameter pipe to reduce the back pressure caused by poor drainage. At the same time, the water is discharged by a large diameter pump in a vacuum environment.

Buffer Modules

- The over-capacity vacuum buffer tank can realize the stability and reliability of the vacuum system, avoid the phenomenon of high and low due to the sudden change in the number of equipment. At the same time, the large vacuum energy storage can make up for the pressure drop caused by the momentary supply shortage of the vacuum pump when the molding equipment is used.

Control System

- It is composed of Siemens S7-40 programmable controller and Siemens Industrial touch screen. The system is controlled by PLC, programmable controller with modular structure, and multi-function control software of central vacuum process is built into the system. Can store the set program, automatic control. Operating panel adopts Siemens industrial high resolution variable rate LCD touch screen; The startup process and supply conditions can be adjusted according to the on-site startup situation. All the process parameters are set on the touch screen, which can be monitored in real time
Equipment running state, with a variety of fault alarm and operation protection functions. And reserve computer centralized management interface.

Equipment parameters

型号 Model			ST-ZYZK1200-150	ST-ZYZK1600-200	ST-ZYZK2000-250
参数 Parameter		单位 Unit			
基本参数 Basic Parameters	真空泵数量 Vacuum Pump Quantity	个	3	4	5
	真空泵功率 Vacuum Pump Power	kw	3×11KW	4×11KW	5×11KW
	真空抽气量 Vacuum Pumping Capacity	m3/h	≤1200	≤1600	≤2000
缓冲罐 Buffer Tank	冷凝罐数量 Number Of Condensing Tanks	个	2	2	2
	缓冲罐容积 Buffer Tank Volume	m3	5	5	5
	缓冲罐接口 Buffer Tank Interface	inch	DN450	DN450	DN500
工作液系统 Working Fluid System	管道接口 Interface Of Pipe	inch	DN25	DN25	DN25
	管道压力 Pressure Of Pipeline	Mpa	0.2-0.3	0.2-0.3	0.2-0.3
排水系统 Drainage System	排水泵 Drain Water Pump	个	1	1	1
	排水泵功率 Discharge Pump Power	kw	1×7.5	1×7.5	1×11
	排水口径 Diameter Of Drainage	inch	DN200	DN200	DN200
空气系统 Air System	管道接口 Interface Of Pipe	inch	1 (DN25)	1 (DN25)	1 (DN25)
	管道压力 Pressure Of Pipeline	MPa	0.5-0.7	0.5-0.7	0.5-0.7
	工作压力 Working Pressure	MPa	0.4-0.6	0.4-0.6	0.4-0.6
	压缩空气消耗 Compressed Air Consumption	L/min	0.3	0.3	0.3
电控系统 Electric Control System					
	控制电压 Voltage Of Control	V	DC24	DC24	DC24
	装机容量 Installed Capacity	kw	45	45	56
	控制方式 Mode Of Control		PLC+工业 Industrial PC	PLC+工业 Industrial PC	PLC+工业 Industrial PC
外形尺寸 Overall Dimensions	长 Long	mm	3500	3500	3500
	宽 Wide	mm	3200	3200	3200

SUTUAN

Automatic Vertical Vacuum Block-Moulding Machine

Mechanical Structure

- The equipment adopts high strength rectangular square pipe and brand steel plate welded to form, the strength is greatly strengthened.
- All formwork has undergone standard heat treatment to reduce stress removal and prevent material deformation to a large extent.
- After heat treatment, all formwork is treated by sand blasting, rust proof primer and top coat, etc., which greatly improve the corrosion resistance and production life of the equipment.
- Using German electro connecting pressure gauge , safety valve and other equipment for multiple protection, the equipment can be tested by water pressure and steam test (a number of tests), to ensure the stable and reliable operation of the equipment before leaving the factory.

Automatic Control

- Germany Siemens PLC and computer industrial touch screen control, easy to operate.
- The electric part adopts the French Schneider brand, the equipment is equipped with the material level sensor can automatically control the feeding, foam pressure sensor can automatically control the cooling degree, to achieve the equipment feeding, heating, cooling to the plate automatic operation.

Equipment parameters

型号 Model		EPS-2000STBJL	EPS-4000STBJL	EPS-6000STBJL
参数 Parameter	单位 Unit			
模腔内净尺寸 Mould Size	mm	2050×1240×1030	4080×1240×1030	6100×1240×1030
模腔体积 Mould Volume	m^3	2.60	5.19	7.96
制品密度/比重 Products Density/Specific Gravity	kg/m^3	6-40	6-40	6-40
生产效率（标准条件） Production Capacity	block/h	4-12	4-12	4-12
蒸汽压力 Steam Pressure	腿	0.5~0.6	0.5~0.6	0.5~0.6
蒸汽进口通径 Steam Inlet DN	mm	150~40	150~50	200~65
压缩空气进 口通径 Compressed-Air Inlet DN	mm	50	80	80
功率 电源 Power Power Supply	kw	28.50	32.50	38.50
电压 Voltage	V	380	380	380
控制方式 Control Mode		自动 Automatic		
结构特点 Structural Features		液压单门真空冷却 Hydraulic Single-door Vacuum Cooling		
控制系统 Control System		PLC及人机界面 PLC with Touch Screen		
最大外形尺寸 Max. Outer Dimension	mm	9000×4000×3000	11000×4000×3000	14000×4000×3000
整机重量 Machine Net Weight	tons	8	12	16
自动输送装置 Automatic Conveyer		可选 Optional	可选 Optional	可选 Optional
电子称重 Electronic weighing Scale		可选 Optional	可选 Optional	可选 Optional

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Automatic Vacuum Block Moulding Machine

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Equipment parameters

型号 Model		EPS-2000STBJW	EPS-4000STBJW	EPS-6000STBJW
参数 Parameter	单位 Unit			
模腔内净尺寸 Mould Size	mm	2050×1240×1030	4080×1240×1030	6100×1240×1030
模腔体积 Mould Volume	m^3	2.60	5.19	7.96
制品密度/比重 Products Density/Specific Gravity	kg/m^3	6-40	6-40	6-40
生产效率（标准条件） Production Capacity	block/h	4-12	4-12	4-12
蒸汽压力 Steam Pressure	鼠	0.5~0.6	0.5~0.6	0.5~0.6
蒸汽进口通径 Steam Inlet DN	mm	150~40	150~50	200~65
压缩空气进 口通径 Compressed-Air Inlet DN	mm	50	80	80
功率 Power 电源 Power Supply	kw	28.50	32.50	38.50
控制方式 Control Mode		自动 Automatic		
结构特点 Structural Features		液压单门真空冷却 Hydraulic Single-door Vacuum Cooling		
控制系统 Control System		PLC及人机界面 PLC with Touch Screen		
最大外形尺寸 Max. Outer Dimension	mm	9000×4000×3000	11000×4000×3000	14000×4000×3000
整机重量 Machine Net Weight	tons	8	12	16
自动输送装置 Automatic Conveyer		可选 Optional	可选 Optional	可选 Optional
电子称重 Electronic weighing Scale		可选 Optional	可选 Optional	可选 Optional

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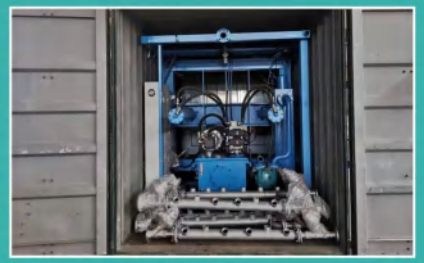
Model Project

Logistics & Packaging



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EPP/EPS Energy-saving Sample Factory

SUTUAN

From steelplate to assembly machine professional line work

From the Steel - Cutting stock - Welding - Tempering - NC Machining - Shot Blasting - Spray Painting - Hardware Processing - Machine Assembling - Testing Inspection, the whole manufacturing line is controlled and completed by ourselves.