

宝捷精机
PowerJet

EB 系列 全自动挤出吹瓶机



EB Series

Extrusion Blow Molding Machine



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宝捷集团2021年08月印



佛山市宝捷精密机械有限公司
POWERJET PLASTIC MACHINERY CO., LTD.



厂址: 中国·广东省佛山市三水区乐平镇创新大道西5号 邮编: 528137

ADD: No.5, ChuangXin Road West, LePing, SanShui, FoShan City, GuangDong, P.R.China

Service line: 86-400 830 0005 | TEL: 86-757-86697588 | FAX: 86-757-86697808 | E-mail: powerjet@126.com

www.powerjet.cn

企业简介

About Us

宝捷精机——吹塑机创新先锋！

POWERJET is the innovation leader of blow molding machine!



十万平方米现代化生产厂区
100,000 square meters modern production plant

佛山市宝捷精密机械有限公司是一家集研发、制造、销售、售后服务于一体的专用塑料机械高新技术企业！

宝捷吹塑机自2007年成立以来，始终专注节能、高效、精密、稳定为核心的吹塑设备，经过多年努力，目前已拥有涵盖大部分市场上吹塑制品的机型，从主机更多选择，到模具、机械手以及干燥系统等辅助设备的完善配套，提供给不同产量需求的客户贴心的服务，为全方位满足吹塑这一专业细分市场而提供成熟的解决方案。宝捷吹塑机经历十多年市场考验，在收益、性能方面，都有明显优势，得到众多客户的一致肯定。

POWERJET PLASTIC MACHINERY CO., LTD. is a special plastic machinery high-tech enterprise that is integrated with research and development, manufacturing, sales and after-sales service!

Since 2007, POWERJET blow molding machine has always focused on energy-saving, high efficiency, precision and stability as the core concept. After years of efforts, now the machines models have covered most of the blow molding products, and provide customers with different production requirements in good services by more choices of blow molding machine and molds, robot, drying system, and other auxiliary equipment, and offer turnkey solutions catering for the omni-directional blowing meets. POWERJET blow molding machine has been tested for more than ten years in the market, has obvious advantages in terms of profit performance and receive many customers consistent affirmative praises..



营销网络

Marketing Network

布局全球 周到服务

Global network , Good service.



宝捷全球服务网络

截止到2020年，宝捷的EB系列机型销售区域已覆盖华南、华东、华中和西南、华北等国内主要市场，并且远销海外六十多个国家和地区。客户遍布全球，涉及多个行业，不乏有国际知名一线品牌。

全程周到服务

我们从洽谈到确定客户配套生产优选方案，从设备的安装调试、维护保养、系统操作到生产过程，每个阶段我们都为您提供合理建议和完善的解决方案，还有快速的配件供应以及便捷的技术服务和支持。

- 个性化厂房布局和规划书；
- 吹塑模具、机械手、辅助设备组合方案推荐；
- 吹塑瓶形开发；
- 客户现场安装及培训；
- 一对一的全程售前咨询及售后服务。

POWERJET Global Service Network

As of 2020, POWERJET's EB series machines have been sold to major domestic markets such as South China, East China, Central China, Southwest China and Northeast China, and were exported to more than 60 countries and areas. Customers from all over the world, involving many industries, some are international first-line brands.

Good Service

From negotiation to determining the production way for customer's requirement, from the installation and commissioning of the equipment, maintenance, system operation to production process, we provide reasonable advice and perfect solutions at every stage, as well as fast spare parts supply and convenient technical service and support.

- Customized workshop layout and proposal;
- Blow molds, robot, auxiliary equipment group case recommendations;
- Blow bottles designs developments;
- Installation and training on site of customer's factory;
- One-on-one full pre-sales consultation and after-sales service.

我们的部分客户

(排名不分先后顺序)

Some of our customers



技术优势

Technology Advantages



节能
Energy-saving

+



高效
High-efficient

+



精密
Precision

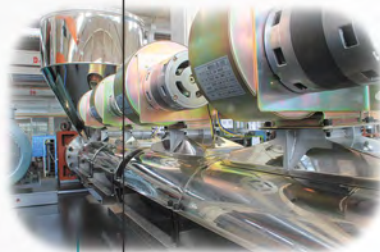
+



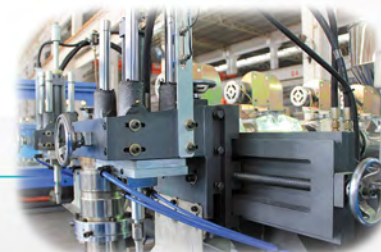
稳定
Stable



①模头
Die-head



⑨挤出系统
Extrusion system



⑧吹气组
Blowing units



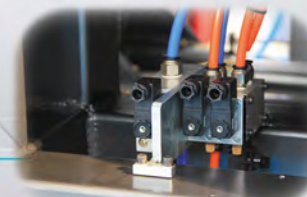
②电子尺控制开合模
Linear displacement transducer used to
control the clamping units' movement



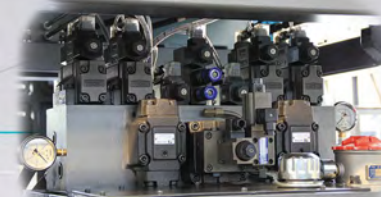
③平行式锁模
Parallel clamping units



④中央支承模架
Central supporting frame for the mold



⑦进口电磁气阀
Imported solenoid valve



⑥进口液压元件
Imported hydraulic components



⑤移模速度控制阀
Speed control valves for mold's movement

产品介绍

Production Profiles

EB10H

全自动挤出吹瓶机

系列 SERIES

AUTOMATIC EXTRUSION BLOW MOLDING MACHINE



产品特点

- 液压驱动全自动平移模双摆架，球墨铸铁模板、模架，中心锁模，经有限元分析设计，确保锁模力充足，不胀模。
- 大长径比高效混炼螺杆，确保塑化均匀，挤出稳定；高精度无熔合线模头，可选配单模头到四模头，满足高质量产品要求。
- 可选配多螺杆多层模头设计，提高制品性能、质量，降低原料成本。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机，传动平稳、噪音低，可靠耐用。
- 名牌液压件，压力、流量双比例控制，电脑参数设定，运行平稳；特制移模减速阀，定位准确，无冲击。
- 气动元件选用德国、日本等世界一流品牌原装器件，确保动作精准可靠，通流量大，泄漏量小。
- 定制名牌厂家吹瓶专用电脑，参数设置高度人性化，易掌握、易操作。
- 法国施耐德非接触传感器及开关电器，可靠性高，发热量低，使用寿命长。
- 多路PID加热温度控制，加热控制准确、稳定。
- 可选配自动打水口料、自动旋切瓶口、锣口机等多种自动后处理装置，实现生产过程高度自动化。

Product Features

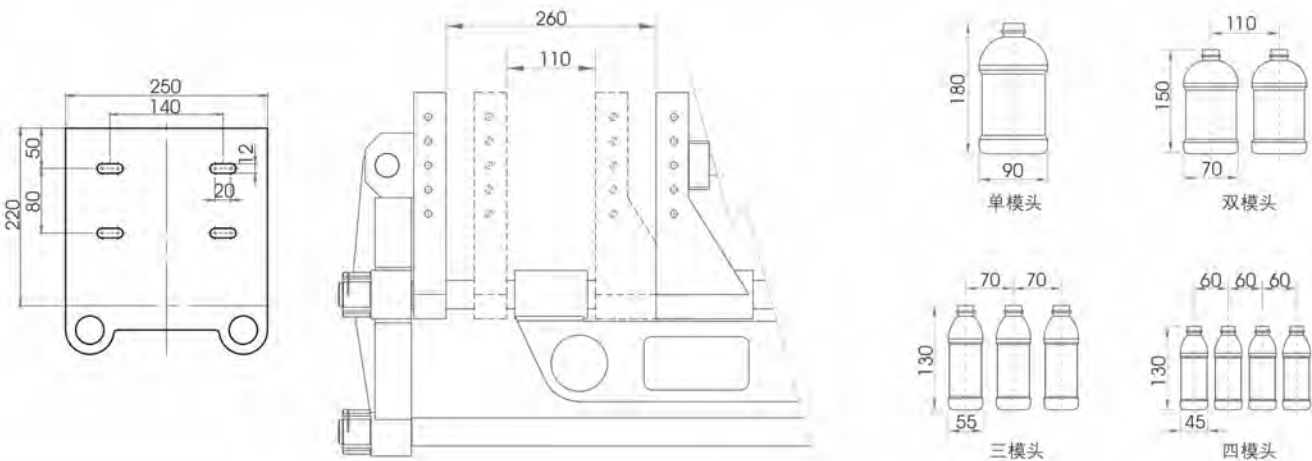
- Double stations and linear movement, high intensity stainless steel mold platens, driven by hydraulic pressure, designed and analyzed by finite element aided software, ensure big clamping force, no expansion of mold.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- Multi-screw & multi-die head can be adopted to improve the quality of the product and lower down the cost of material.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan, etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Brand-name computer special for blow molding machine, parameter settings easy to learn, easy to operate.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Fully automatic operation can be achieved by optional equipments like auto-deflashing, rotary trimming device, or separated rotary trimming equipment.

参数表 Technical Parameter

机型	Model	单位Unit	EB10H40S	EB10H45S	EB10H50S
最大制品容量	Max. Product	L	1.0	1.0	1.0
锁模力	Clamping Force	kN	27/38	27/38	27/38
最大模具尺寸(宽×高)	Max. Mold Size(W×H)	mm	290×220	290×220	290×220
螺杆直径	Screw Diameter	mm	Ø40	Ø45	Ø50
螺杆长径比	Screw L/D Ratio	L/D	24	24	23
螺杆最高转速	Screw Rotary Speed	rpm	75	75	75
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	20	25	30
挤出电机功率	Extrusion Motor Power	kW	5.5	7.5	11
油泵电机功率	Pump Motor Power	kW	5.5	5.5	5.5
加热功率	Heating Capacity	kW	6.2	7.0	8.0
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	1.0	1.0	1.0
冷却水用量25℃	Chilled Water Consumption	L/min	13	13	13
油箱容量(长×宽×高)	Oil tank capacity	L	47	47	47
机台尺寸	Machine Dimension (L×W×H)	mm	2440×2000×2150		
理论机重	Machine Weight	kg	1600	1700	1800

本公司根据产品提升的需要，可对技术参数、部份元件配置及服务内容进行更改，恕不另行通知。
According to upgrading of machine, we will change technical parameters, configuration of some parts and service's items without further notice.

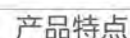
模架尺寸及适应瓶型(mm) Mold Platen Size & Product Specification(mm)



Production Profiles

系列 SERIES

AUTOMATIC EXTRUSION BLOW MOLDING MACHINE



- 液压驱动全自动平移模双摆架，球墨铸铁模板、模架，中心锁模，经有限元分析设计，确保锁模力充足，不胀模。
- 大长径比高效混炼螺杆，确保塑化均匀，挤出稳定；高精度无熔合线模头，可选配单模头到六模头，满足高质量产品要求。
- 可选配多螺杆多层模头设计，提高制品性能、质量，降低原料成本。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机，传动平稳、噪音低，可靠耐用。
- 名牌液压件，压力、流量双比例控制，电脑参数设定，运行平稳；特制移模减速阀，定位准确，无冲击。
- 气动元件选用德国、日本等世界一流品牌原装器件，确保动作精准可靠，通流量大，泄漏量小。
- 定制名牌厂家吹瓶专用电脑，参数设置高度人性化，易掌握、易操作。
- 法国施耐德非接触传感器及开关电器，可靠性高，发热量低，使用寿命长。
- 多路PID加热温度控制，加热控制准确、稳定。
- 可选配自动打水口料、自动旋切瓶口、锣口机等多种自动后处理装置，实现生产过程高度自动化。
- 可选配台湾宏讯、奥地利贝加莱、德国倍福等专业吹塑控制电脑。

Product Features

- Double stations and linear movement, high intensity stainless steel mold platens, driven by hydraulic pressure, designed and analyzed by finite element aided software, ensure big clamping force, no expansion of mold.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- Multi-screw & multi-die head can be adopted to improve the quality of the product and lower down the cost of material.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan, etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Brand-name computer special for blow molding machine, parameter settings easy to learn, easy to operate.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Fully automatic operation can be achieved by optional equipments like auto-deflashing, rotary trimming device, or separated rotary trimming equipment.
- Taiwan Techmation, Autrian B&R, or German Beckhoff controller are all for optional choices.

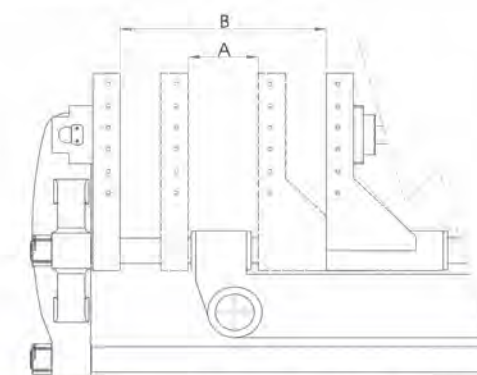
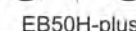
机型	Model	单位Unit	EB25H55S	EB25H65S	EB25H65-40D	EB25H70S
最大制品容量	Max. Product	L	2.5	2.5	2.5	2.5
锁模力	Clamping Force	kN	53/63	53/63	53/63	53/63
最大模具尺寸(宽×高)	Max. Mold Size(W×H)	mm	380×340	380×340	380×340	380×340
螺杆直径	Screw Diameter	mm	Ø55	Ø65	Ø65+Ø40	Ø70
螺杆长径比	Screw L/D Ratio	L/D	25	25	25+25	25
螺杆最高转速	Screw Rotary Speed	rpm	75	65	65+50	65
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	35	55	55+11	65
挤出电机功率	Extrusion Motor Power	kW	11	15	11+4	18.5
油泵电机功率	Pump Motor Power	kW	7.5	7.5	7.5	7.5
加热功率	Heating Capacity	kW	14	17	17+4.5	17
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	1.5	1.5	1.5	1.5
冷却水用量25℃	Chilled Water Consumption	L/min	50	50	50	50
油箱容量(长×宽×高)	Oil tank capacity	L	100	100	100	100
机台尺寸	Machine Dimension (L×W×H)	mm	3200×2250×2200			3340×2250×2300
理论机重	Machine Weight	kg	3500	3900	4500	4500

机型	Model	单位Unit	EB50H75S-plus	EB50H75-45D-plus	EB50H75-25SV-plus	EB50H85S-plus
最大制品容量	Max. Product	L	5.0	5.0	5.0	5.0
锁模力	Clamping Force	kN	140	140	140	140
最大模具尺寸(宽×高)	Max. Mold Size(W×H)	mm	480×435	480×435	480×435	480×435
螺杆直径	Screw Diameter	mm	Ø75	Ø75+Ø45	Ø75+Ø25	Ø85
螺杆长径比	Screw L/D Ratio	L/D	24	24+24	24+20	24
螺杆最高转速	Screw Rotary Speed	rpm	65	65+50	65+30	60
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	80	80+20	80+2	120
挤出电机功率	Extrusion Motor Power	kW	22	22+5.5	22+1.5	30
油泵电机功率	Pump Motor Power	kW	11	11	11	11
加热功率	Heating Capacity	kW	19	19+6	19+2	21
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	2.5	2.5	2.5	2.5
冷却水用量25℃	Chilled Water Consumption	L/min	100	100	100	100
油箱容量(长×宽×高)	Oil tank capacity	L	130	130	130	130
机台尺寸	Machine Dimension (L×W×H)	mm	3930×2840×2450			
理论机重	Machine Weight	kg	6200	6700	6600	7000

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模架尺寸及适应瓶型(mm)

Mold Platen Size & Product Specification(mm)



机型Model	A	B	H	I1	I2	I3	I4	I6
EB25H	150	390	240	180	140	100	75	-
EB50H-plus	180	530/600	330	300	200	130	100	75

产品介绍

Production Profiles



高速双工位挤出吹瓶机

HIGH SPEED DOUBLE STATION BLOW MOLDING MACHINE



产品特点

- 曲肘式对锁模结构，直线导轨承载模板开合模以及直线导轨承载双摆架平移，达至低摩擦、高速度。
- 以有限元技术分析设计，以球墨铸铁精密铸造模板、曲臂及移模架。
- 高速锁模油缸带差动倍速功能，高速移模油缸配合专用抗冲击缓冲阀结构。
- 大长径比高效混炼螺杆，确保塑化均匀，挤出稳定；高精度无熔合线模头，可选配单模头到八模头，满足高质量产品要求。
- 可选配多螺杆多层模头设计，提高制品性能、质量，降低原料成本。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机，传动平稳、噪音低，可靠耐用。
- 名牌液压件，压力、流量双比例控制，电脑参数设定，运行平稳；特制移模减速阀，定位准确，无冲击。
- 气动元件选用德国、日本等世界一流品牌原装器件，确保动作精准可靠，通流量大，泄漏量小。
- 定制名牌厂家吹瓶专用电脑，参数设置高度人性化，易掌握、易操作。
- 法国施耐德非接触传感器及开关电器，可靠性高，发热量低，使用寿命长。
- 多路PID加热温度控制，加热控制准确、稳定。
- 可选装伺服壁厚控制器，提高产品档次，降低生产成本。
- 可选配自动打水口料、自动旋切瓶口、锣口机等多种自动后处理装置，实现生产过程高度自动化。
- 可选配台湾宏讯、奥地利贝加莱、德国倍福等专业吹塑控制电脑。

Product Features

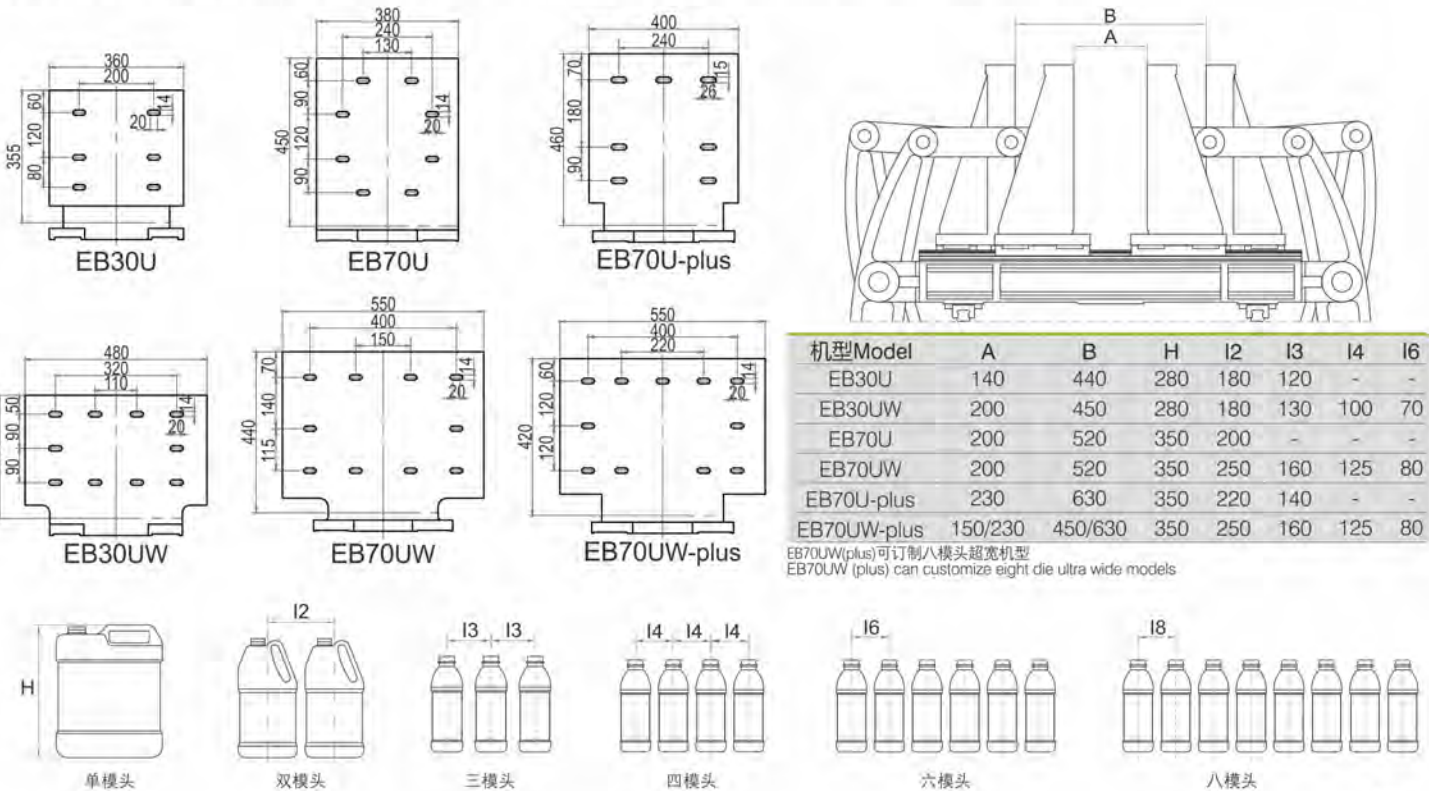
- Toggle balance clamping structure, with platen opening & clamping and mold platen movement by linear guide, to achieve low friction and high speed.
- Based on the Finite Element Analysis design, and platen, toggle and platen frame made in high intensity nodular cast iron.
- High speed mold clamping oil cylinder with differential speed function, and high speed mold moving cylinder with special anti-shock cushion valve structure.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- Multi-screw & multi-die head can be adopted to improve the quality of the product and lower down the cost of material.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Brand-name computer special for blow molding machine, parameter settings easy to learn, easy to operate.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Parison controller is optional to reach high quality products and reduce cost.
- Fully automatic operation can be achieved by optional equipments like auto-deflashing, rotary trimming device, or separated rotary trimming equipment.
- Tanwan Techmation, Autrian B&R, or German Beckhoff controller are all for optional choices.

参数表 Technical Parameter

机型	Model	单位 Unit	EB30U65S EB30UW65S	EB30U70S EB30UW70S	EB70U75S EB70UW75S	EB70U85S EB70UW85S	EB70U75S-plus EB70UW75S-plus	EB70U85S-plus EB70UW85S-plus
最大制品容量	Max. Product	L	4	4	7	7	7	7
锁模力	Clamping Force	kN	65/85	65/85	85/110	85/110	160	160
最大模具尺寸(宽×高)	Max. Mold Size(W×H)	mm	400×355 500×325		480×450 580×440		480×460 580×420	
螺杆直径	Screw Diameter	mm	Ø65	Ø70	Ø75	Ø85	Ø75	Ø85
螺杆长径比	Screw L/D Ratio	L/D	25	25	24	24	24	24
螺杆最高转速	Screw Rotary Speed	rpm	65	65	65	60	65	60
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	55	65	80	120	80	120
挤出电机功率	Extrusion Motor Power	kW	15	18.5	22	30	22	30
油泵电机功率	Pump Motor Power	kW	7.5	7.5	11	11	11	11
加热功率	Heating Capacity	kW	17	17	19	21	19	21
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	2.0	2.0	3.0	3.0	3.0	3.0
冷却水用量25℃	Chilled Water Consumption	L/min	50	50	100	100	100	100
油箱容量(长×宽×高)	Oil tank capacity	L	95	95	130	130	130	130
机台尺寸	Machine Dimension	mm	4000×2700×2400		4220×3170×2600		4800×3170×2600	
理论机重	Machine Weight	kg	4500	4650	6000	6200	6100	6300

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模架尺寸及适应瓶型(mm) Mold Platen Size & Product Specification(mm)



产品介绍

Production Profiles

EB120U
EB180U
EB300U
系列 SERIES

高速双工位挤出吹瓶机

HIGH SPEED DOUBLE STATION BLOW MOLDING MACHINE



产品特点

- 曲肘式对锁模结构，直线导轨承载模板开合模以及直线导轨承载双摆架平移，达至低摩擦、高速度。
- 以有限元技术分析设计，以球墨铸铁精密铸造模板、曲臂及移模架。
- 高速锁模油缸带差动倍速功能，高速移模油缸配合专用抗冲击缓冲阀结构。
- 大长径比高效混炼螺杆，确保塑化均匀，挤出稳定；高精度无熔合线模头，可选配单模头到八模头，满足高质量产品要求。
- 可选配多螺杆多层模头设计，提高制品性能、质量，降低原料成本。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机，传动平稳、噪音低，可靠耐用。
- 名牌液压件，压力、流量双比例控制，电脑参数设定，运行平稳；特制移模减速阀，定位准确，无冲击。
- 气动元件选用德国、日本等世界一流品牌原装器件，确保动作精准可靠，通流量大，泄流量小。
- 定制名牌厂家吹瓶专用电脑，参数设置高度人性化，易掌握、易操作。
- 法国施耐德非接触传感器及开关电器，可靠性高，发热量低，使用寿命长。
- 多路PID加热温度控制，加热控制准确、稳定。
- 可选装伺服壁厚控制器，提高产品档次，降低生产成本。
- 可选配自动打水口料、自动旋切瓶口、锣口机等多种自动后处理装置，实现生产过程高度自动化。
- 可选配台湾宏讯、奥地利贝加莱、德国倍福等专业吹塑控制电脑。
- 可选装带张料下置式吹气装置。

Product Features

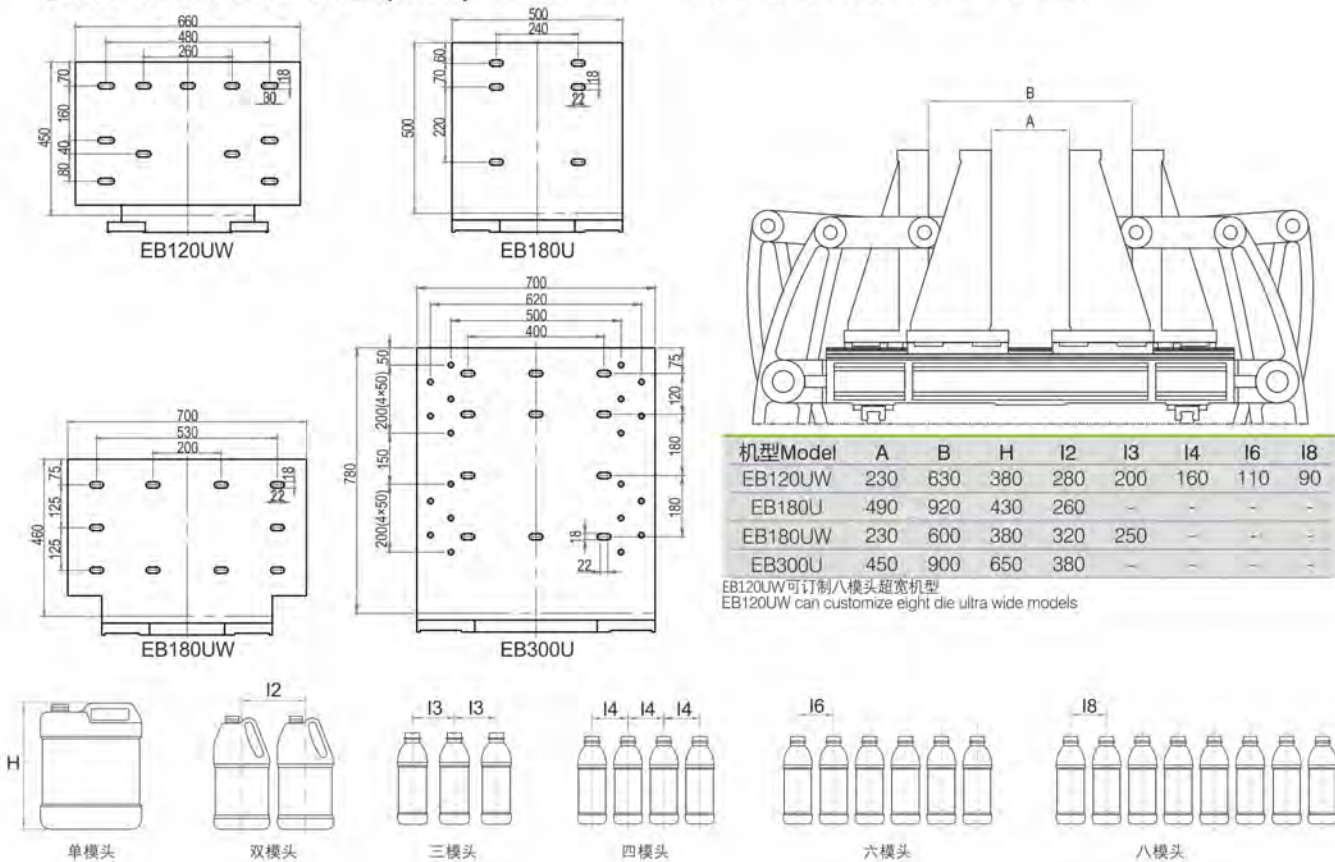
- Toggle balance clamping structure, with platen opening & clamping and mold platen movement by linear guide, to achieve low friction and high speed.
- Based on the Finite Element Analysis design, and platen, toggle and platen frame made in high intensity nodular cast iron.
- High speed mold clamping oil cylinder with differential speed function, and high speed mold moving cylinder with special anti-shock cushion valve structure.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- Multi-screw & multi-die head can be adopted to improve the quality of the product and lower down the cost of material.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Brand-name computer special for blow molding machine, parameter settings easy to learn, easy to operate.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Parison controller is optional to reach high quality products and reduce cost.
- Fully automatic operation can be achieved by optional equipments like auto-deflashing, rotary trimming device, or separated rotary trimming equipment.
- Taiwan Techmaton, Autrian B&R, or German Beckhoff controller are all for optional choices.
- Optinal with movable blow pins and up & down bottom-up blow function.

参数表 Technical Parameter

机型	Model	单位 Unit	EB120UW90	EB180U100 EB180UW100	EB300U110
最大制品容量	Max. Product	L	12	20	30
锁模力	Clamping Force	kN	190	260	300
最大模具尺寸(宽×高)	Max. Mold Size(W×H)	mm	730×450	600×500 800×460	850×780
螺杆直径	Screw Diameter	mm	Ø90	Ø100	Ø110
螺杆长径比	Screw L/D Ratio	L/D	25	24	28
螺杆最高转速	Screw Rotary Speed	rpm	60	60	60
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	150	180	210
挤出电机功率	Extrusion Motor Power	kW	37	55	75
油泵电机功率	Pump Motor Power	kW	22	22	22
加热功率	Heating Capacity	kW	27	30	32
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	4	4	5
冷却水用量25℃	Chilled Water Consumption	L/min	300	300	400
油箱容量(长×宽×高)	Oil tank capacity	L	180	180	210
机台尺寸	Machine Dimension	mm	4800×4060×2900	5300×4600×3100	8300×5050×3600
理论机重	Machine Weight	kg	9500	10000	16000

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模架尺寸及适应瓶型(mm) Mold Platen Size & Product Specification(mm)



产品介绍

Production Profiles



高速单工位挤出吹瓶机

HIGH SPEED SINGLE STATION BLOW MOLDING MACHINE



产品特点

- 曲肘式对锁模结构，直线导轨承载模板开合模以及直线导轨承载摆架平移，达至低摩擦、高速度。
- 以有限元技术分析设计，以球墨铸铁精密铸造模板、曲臂及移模架。
- 高速锁模油缸带差动倍速功能，高速移模油缸配合专用抗冲击缓冲阀结构。
- 大长径比高效混炼螺杆，确保塑化均匀，挤出稳定；高精度无熔合线模头，可选配单模头到四模头，满足高质量产品要求。
- 可选配多螺杆多层模头设计，提高制品性能、质量，降低原料成本。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机，传动平稳、噪音低，可靠耐用。
- 名牌液压件，压力、流量双比例控制，电脑参数设定，运行平稳；特制移模减速机，定位准确，无冲击。
- 气动元件选用德国、日本等世界一流品牌原装器件，确保动作精准可靠，通流量大，泄流量小。
- 定制名牌厂家吹瓶专用电脑，参数设置高度人性化，易掌握、易操作。
- 法国施耐德非接触传感器及开关电器，可靠性高，发热量低，使用寿命长。
- 多路PID加热温度控制，加热控制准确、稳定。
- 可选装伺服壁厚控制器，提高产品档次，降低生产成本。
- 可选配自动打水口料、自动旋切瓶口、锣口机等多种自动后处理装置，实现生产过程高度自动化。

Product Features

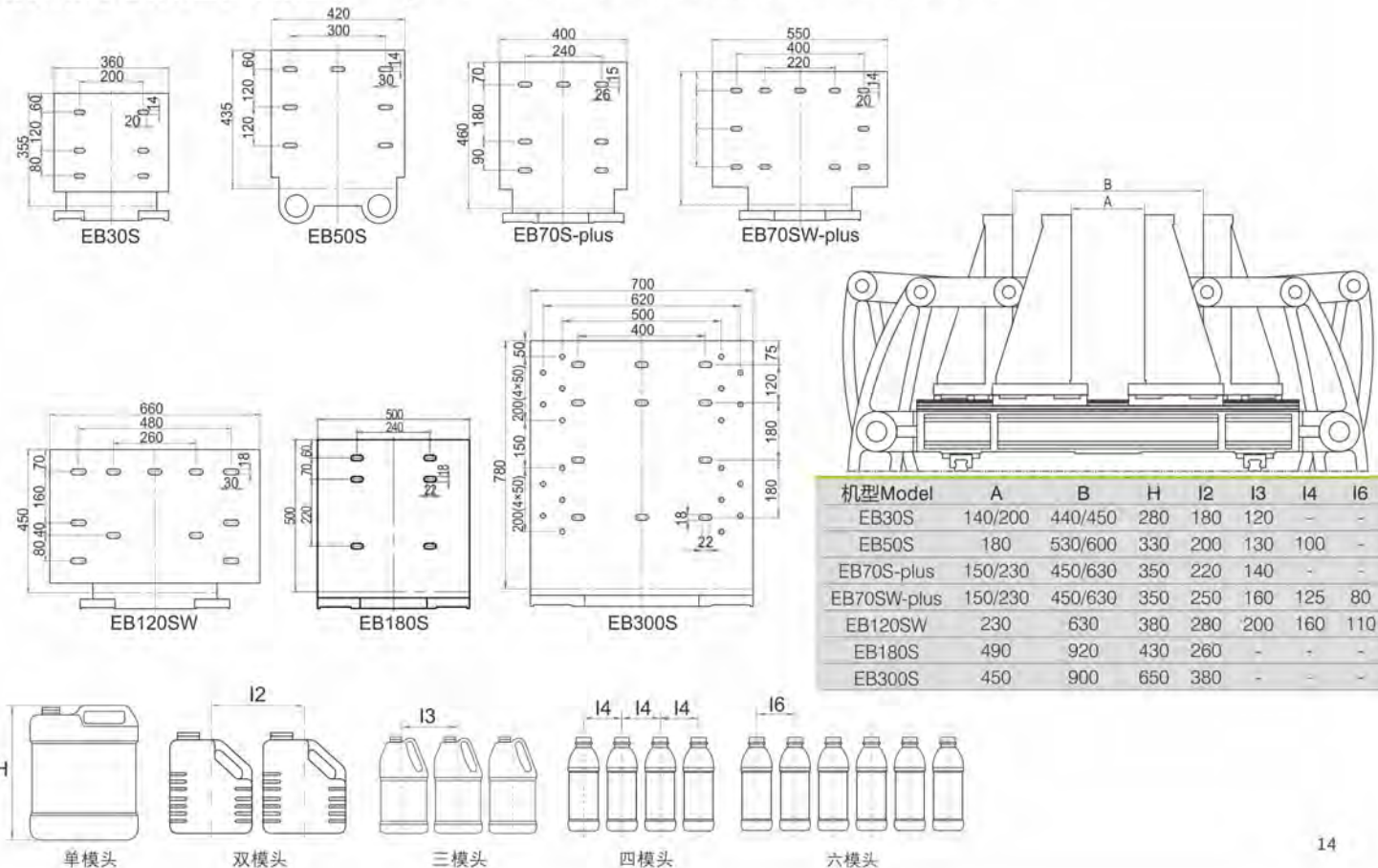
- Toggle balance clamping structure, with platen opening & clamping and mold platen movement by linear guide, to achieve low friction and high speed.
- Based on the Finite Element Analysis design, and platen, toggle and platen frame made in high intensity nodular cast iron.
- High speed mold clamping oil cylinder with differential speed function, and high speed mold moving cylinder with special anti-shock cushion valve structure.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- Multi-screw & multi-die head can be adopted to improve the quality of the product and lower down the cost of material.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Brand-name computer special for blow molding machine, parameter settings easy to learn, easy to operate.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Parison controller is optional to reach high quality products and reduce cost.
- Fully automatic operation can be achieved by optional equipments like auto-deflashing, rotary trimming device, or separated rotary trimming equipment.

参数表 Technical Parameter

机型	Model	单位 Unit	EB30S65S	EB50S75S-plus	EB70S75S-plus EB70SW75S-plus	EB120SW85S	EB180S90S	EB300S100S
最大制品容量	Max. Product	L	4	5	7	12	20	30
锁模力	Clamping Force	kN	65/85	140	160	240	260	300
最大模具尺寸(宽×高) Max. Mold Size(W×H)		mm	400×355	480×430	480×460 580×420	730×450	600×500	850×780
螺杆直径	Screw Diameter	mm	Ø65	Ø75	Ø75	Ø85	Ø90	Ø100
螺杆长径比	Screw L/D Ratio	L/D	25	24	24	24	25	24
螺杆最高转速	Screw Rotary Speed	rpm	65	65	65	60	60	60
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	55	80	80	120	150	180
挤出电机功率	Extrusion Motor Power	kW	15	22	22	30	37	55
油泵电机功率	Pump Motor Power	kW	7.5	11	11	22	22	22
加热功率	Heating Capacity	kW	17	19	19	21	27	35
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	1.0	2.0	2.0	3.0	3.0	4.0
冷却水用量25℃	Chilled Water Consumption	L/min	40	70	70	200	200	300
油箱容量(长×宽×高)	Oil tank capacity	L	100	120	120	150	150	180
机台尺寸	Machine Dimension	mm	3800×1900×2400	4400×2000×2400	4200×2200×2500	4800×2500×2900	5200×2600×3100	6000×2800×3600
理论机重	Machine Weight	kg	3300	5000	5500	7000	8500	10000

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模架尺寸及适应瓶型(mm) Mold Platen Size & Product Specification(mm)



产品介绍

Production Profiles

EB30UE
EB70UE

系列 SERIES

全电动挤出吹瓶机

FULL ELECTRIC EXTRUSION BLOW MOLDING MACHINE



产品特点

- 全机八个机械动作(移模、合模、插笔、抬头及伺服壁厚)均由独立的伺服电机精密控制、驱动,按需输出直接把电能转换成机器动作的机械能,相比传统气动/液压挤吹机,在动作部分节能约70%。
- 多项专利设计的驱动装置,确保机器高速平稳运行。
- 曲肘式对锁模结构,直线导轨承载模板开合模以及直线导轨承载双摆架平移,达至低摩擦、高速度。
- 以有限元技术分析设计,以球墨铸铁精密铸造模板、曲臂及移模架。
- 大长径比高效混炼螺杆,确保塑化均匀,挤出稳定;高精度无熔合线模头,可选配单模头到八模头,满足高质量产品要求。
- 可选配多螺杆多层模头设计,提高制品性能、质量,降低原料成本。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机,传动平稳、噪音低,可靠耐用。
- 气动元件选用德国、日本等世界一流品牌原装器件,确保动作精准可靠,通流量大,泄漏量小。
- 定制名牌厂家吹瓶专用电脑,参数设置高度人性化,易掌握、易操作。
- 法国施耐德非接触传感器及开关电器,可靠性高,发热量低,使用寿命长。
- 多路PID加热温度控制,加热控制准确、稳定。
- 标准配置伺服壁厚控制器,提高产品档次,降低生产成本。
- 可选配自动打水口料、自动旋切瓶口、锣口机等多种自动后处理装置,实现生产过程高度自动化。

Product Features

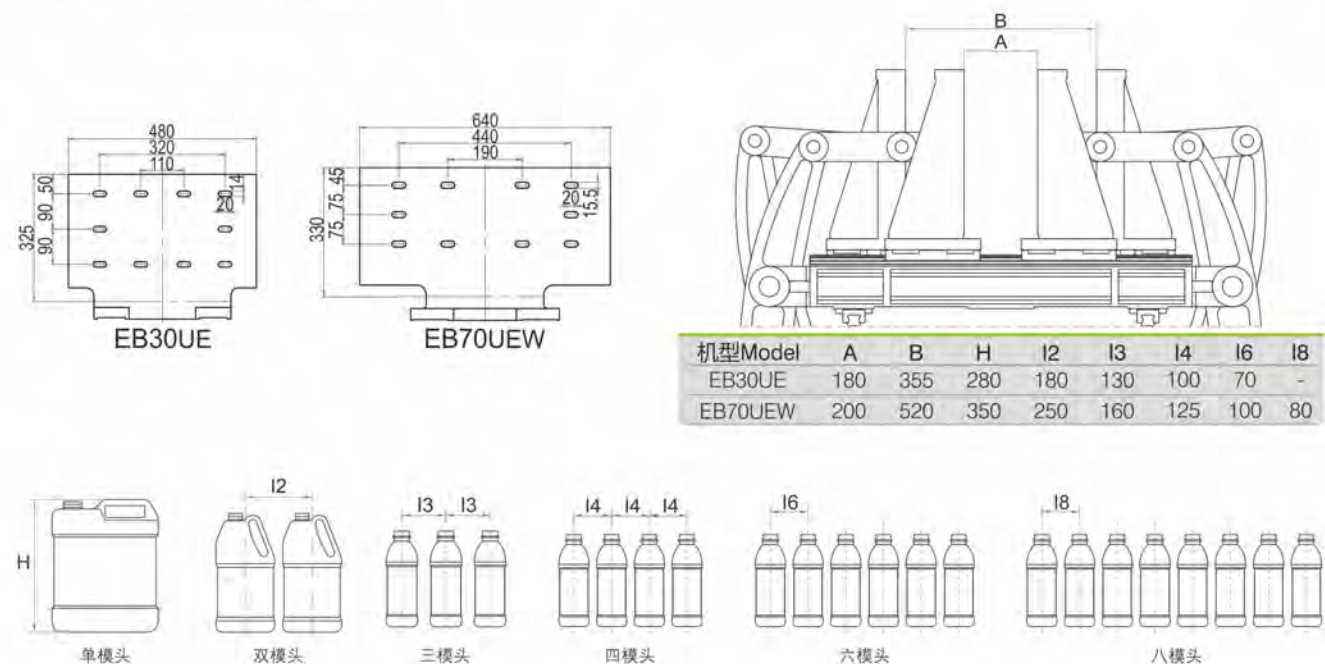
- Eight movements of the machine (Mold platen move, Mold close, Blow pin, Head lift and Thickness control) are controlled and driven by independent servo motors, and the on-demand output directly converts electrical energy into mechanical energy for machine movements. Comparing with traditional pneumatic/hydraulic extrusion blow molding, it can save about 70% in the action process.
- A number of patented design of the drive device ensures the smooth operation of the machine at high speed.
- Toggle balance clamping structure, with platen opening & clamping and mold platen movement by linear guide, to achieve low friction and high speed.
- Based on the Finite Element Analysis design, and platen, toggle and platen frame made in high intensity nodular cast iron.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- Multi-screw & multi-die head can be adopted to improve the quality of the product and lower down the cost of material.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Parison controller is standard configuration to reach high quality products and reduce cost.
- Fully automatic operation can be achieved by optional equipments like auto-deflashing, rotary trimming device, or separated rotary trimming equipment.

参数表 Technical Parameter

机型	Model	单位Unit	EB30UE70	EB70UEW90
最大制品容量	Max. Product	L	0.5×4	0.5×8
锁模力	Clamping Force	kN	65	120
最大模具尺寸(宽×高)	Max. Mold Size(W×H)	mm	450×360	730×330
螺杆直径	Screw Diameter	mm	Ø70	Ø90
螺杆长径比	Screw L/D Ratio	L/D	25	25
螺杆最高转速	Screw Rotary Speed	rpm	65	60
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	65	150
挤出电机功率	Extrusion Motor Power	kW	18.5	37
伺服电机功率合计	Pump Motor Power	kW	35	50
加热功率	Heating Capacity	kW	17	27
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8
耗气量	Air Consumption	m³/min	3.0	5.0
冷却水用量25℃	Chilled Water Consumption	L/min	50	100
机台尺寸(长×宽×高)	Machine Dimension	mm	4000×3700×2700	4800×4200×2850
理论机重	Machine Weight	kg	7000	9500

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模架尺寸及适应瓶型(mm) Mold Platen Size & Product Specification(mm)



产品介绍

Production Profiles

EB250P
EB500P
系列 SERIES

固定模架自动吹塑中空成型机

AUTOMATIC EXTRUSION BLOW MOLDING MACHINE



产品特点

- 直线导轨支承单模架，经有限元分析设计，确保锁模力充足，不胀模。
- 超大开模行程，中心锁模，锁模力均衡，不变形。
- 大长径比高效混炼螺杆，确保塑化均匀，挤出稳定。
- 高精度无熔合线料模头，伺服壁厚控制器，提高产品档次，降低生产成本。
- 带张料功能可升降下吹机构，适应大容量制品工艺要求。
- 名牌大扭矩矢量型变频器配合挤出专用硬齿面减速机，传动平稳、噪音低，可靠耐用。
- 名牌液压件，压力、流量双比例控制，电脑参数设定；具有快速合模功能，合模迅速、平稳。
- 气动元件选用德国、日本等世界一流品牌原装器件，确保动作精准可靠，通流量大，泄漏量小。
- 定制名牌厂家吹瓶专用电脑，配合电子尺锁模控制，参数设置高度人性化，易掌握、易操作。
- 法国施耐德非接触传感器及开关电器，可靠性高，发热量低，使用寿命长。
- 多路PID加热温度控制，加热控制准确、稳定。
- 带安全保护光栅，确保生产安全无事故。
- 可选配自动取制品机械手、夹料式切刀等多种辅助装置，实现生产过程高度自动化。

Product Features

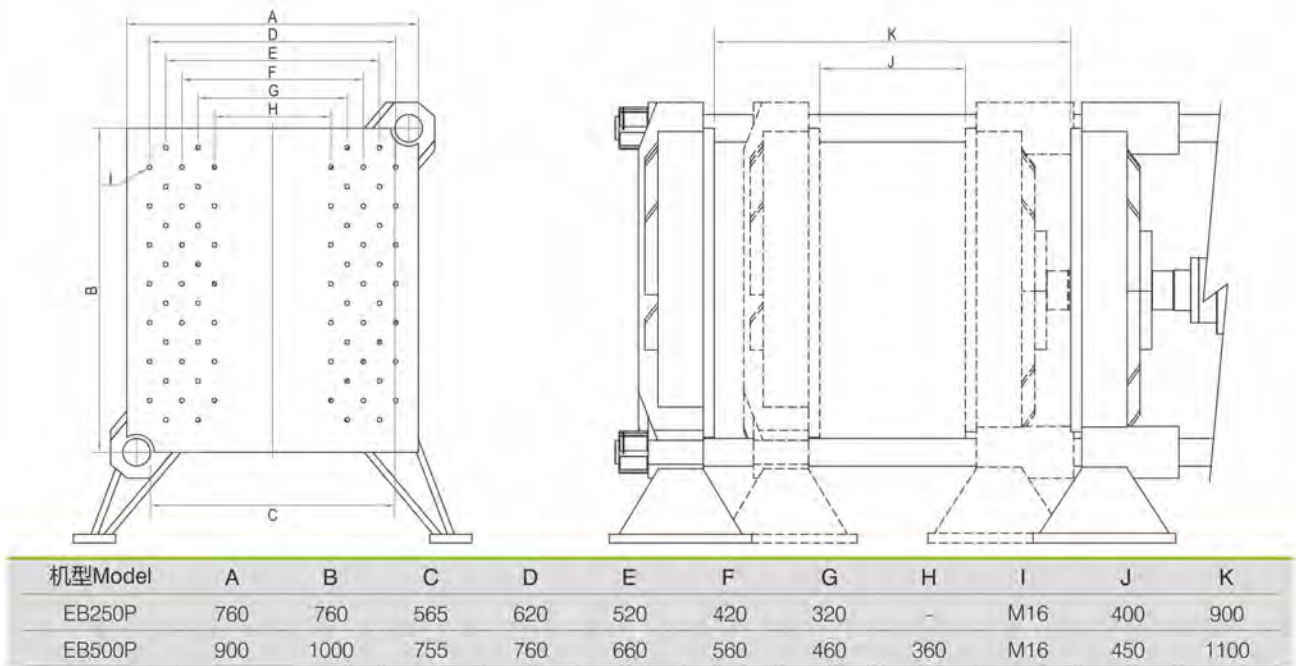
- Single stations and linear guide supported, driven by hydraulic pressure, designed and analyzed by finite element aided software, ensure big clamping force, no expansion of mold.
- Large mold open stroke ensures the even clamping force and keeps the mold platens indeformable.
- Specially designed screw with high L/D ratio insures good plasticizing and stable extrusion; high precision and no part line die head guarantees customers' top-quality requirement.
- High precise non-parting line accumulator die head with parison controller reaches high quality products and reduces cost.
- Optimal with movable blow pins and up & down bottom-up blow function matches the requirement of large size product.
- Famous brand of vector inverter in high pulling torque, complied with special extrusion hardened reducer, can operate in stable, durable, and low noise state.
- Brand-name hydraulic parts, pressure & proportional control are set by PLC, which ensures the stable operation; Mold movement is controlled by special speed limited valves, ensuring precise position and non-striking.
- Parts of pneumatic system are imported from Germany, Japan, etc, which are top brands in the world. These make sure the operation of machine reliably and accurately; the air circulation is large while the leakage is very small.
- Brand-name computer special for blow molding machine, parameter settings easy to learn, easy to operate.
- Schneider (France) touchless sensors and switches are adopted, which are dependable and in low heat, & prolonged life.
- Multiple-way PID controlled temperature heating is precise and stable.
- Safety raster ensures the safety during production.
- Fully automatic operation can be achieved by optional equipments like robot, clamp cutter.

参数表 Technical Parameter

机型	Model	单位Unit	EB250P	EB500P	
最大制品容量	Max. Product	L	30	60	
锁模力	Clamping Force	kN	200	400	
螺杆直径	Screw Diameter	mm	Ø85	Ø90	Ø100
螺杆长径比	Screw L/D Ratio	L/D	24	25	
螺杆最高转速	Screw Rotary Speed	rpm	60	60	
HDPE挤料量	Extrusion Weight (HDPE)	kg/h	120	150	180
挤出电机功率	Extrusion Motor Power	kW	30	37	55
油泵电机功率	Pump Motor Power	kW	22	22	
加热功率	Heating Capacity	kW	35	40	
操作气压	Operation Pressure	MPa	0.6-0.8	0.6-0.8	
耗气量	Air Consumption	m³/min	2.0	2.5	
冷却水用量25℃	Chilled Water Consumption	L/min	120	150	
机台尺寸 (长×宽×高)	Machine Dimension	mm	4700×3500×3400	5300×3400×4250	
理论机重	Machine Weight	kg	11000	13000	

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模架尺寸及适应瓶型(mm) Mold Platen Size & Product Specification(mm)



挤出吹瓶机配套辅机

Auxiliary Equipment

铰口机

Rotary Trimming Equipment

- 配合原有机台，针对薄壁瓶口、内翻瓶口或广口瓶进行自动切口。
- 确保瓶口光滑、切口无缺角，无突出。
- 工作过程不产生胶丝、胶粉。
- 切刀耐用，维护成本低。
- 运行速度无级可调。
- Can be used independently or equipped with the extrusion blow machine.
- Specially design for the thin/inversion neck size, or jar.
- Achieves smooth bottle mouth, no defective edge.
- No wiredrawing, no powder accruing.
- Deflashing separated with the product.
- Durable and low cost.
- Stepless adjustable speed.



自动打水口料装置

Auto deflashing equipment

- 配合机器电脑可全自动去除水口料，真正实现生产全自动。
- 选用优质名牌气动元件、直线轴承等，确保工作精度。
- Connected with the PLC for fully automatic production.
- Adopted with world famous brand pneumatic components, linear bearings, to ensure the precise operation.

伺服壁厚控制器

Parison Controller

- 世界名牌伺服阀配合LVDT位置检测。
- 50-100点电脑精密控制，自动拟合圆滑曲线。
- 可贮存20-100个配方。



- World famous brand servo valve with LVDT position testing.
- 50-100 points precise computer control, automatically make the fitted curve.
- 20-100 items saved in PLC.

旋切瓶口装置

Rotary Trimming Configuration

- 针对薄壁瓶口、内翻瓶口或广口瓶。
- 配合机器电脑可全自动切除瓶口余料，真正实现生产全自动。
- 选用优质名牌气动元件、直线轴承等。确保工作精度。
- 切口均匀，确保瓶口光滑，无毛刺。
- 特殊刀头设计，工作过程不产生胶丝、胶粉。
- Equipped in the machine, specially for the thin/inversion neck size, or jar.
- Connected with the PLC for fully automatic production.
- Adopted with world famous brand pneumatic components, linear bearings, to ensure the precise operation.
- The cutting of bottle mouth is smooth and no flash.
- Specially design cutter ensures no wiredrawing, no powder accruing.



模头

Die head

- 使用合金钢并作加硬处理。
- 模头流道畅通无积料，塑料化性能好。
- 可作多层及多模头设计。
- Adopted alloy steel with hardening.
- Good runner inside and good plasticization.
- Multi-layer & multi-die head can be adopted.



模具 Mould

- 根据生产及产品需要，选用进口镁铝合金(7075)、高级不锈钢模具钢等高档材料，确保模具使用寿命长，生产效率高。
- 凭借丰富经验，所制造模具在排气、冷却设计上臻于完美。
- 进口加工中心，满足复杂形状要求，保证尺寸准确。
- As per requirement, imported duralium 7075 or S136 stainless steel is used to guarantee the top quality and long life of the molds.
- Special design for the exhaust & cooling system.
- Imported CNC ensures the accuracy of the mold and be fitted to the special requirement of complicate shapes.



全系列辅机配套

Optional for all accessory equipments

BECKHOFF



MOOG

SIEMENS

Fuji Electric

Schneider Electric

Danfoss

airtec

FESTO

SMC

YUKEN

全自动高速挤出吹瓶机生产线设备配置

Equipment configuration of automatic high-speed extrusion & blow molding machine production line

作为吹塑机创新先锋的宝捷精机，专业的技术与研发团队能依照场地与实际需要，为客户量身订做、规划一套灵活、高效且精准、可靠的全自动化生产线。既美化车间提升企业形象、优化生产流程，又提高生产效率及品质、降低运营成本，帮助客户提升竞争力。

宝捷精机专业的服务团队提供全方位的整体解决方案，是您经济收益的正确选择。

As the pioneer of blow molding machine innovation, POWERJET has a professional technology and R & D team that can customize and plan a set of flexible, efficient, accurate and reliable fully automated production line for customers according to the site and actual needs. It not only beautifies the workshop, improves the company image, optimizes the production process, but also improves the production efficiency and quality, reduces the operation cost, and helps customers improve their competitiveness.

POWERJET professional service team provides a comprehensive overall solution, which is the right choice for your economic benefits.

