

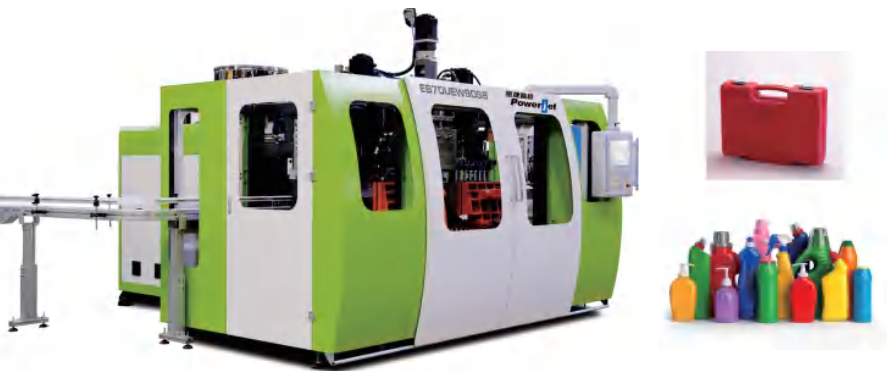
产品介绍

Production Profiles



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路,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           |

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)

