HENG HUI
POLYURETHANE
EQUIPMENT

ZHEJIANG HENGHUI MACHINERY CO.,LTD

- Polyurethane Equipment
- 聚氨酯工业设备

浙江恒惠机械有限公司
ZHEJIANG HENGHUI MACHINERY CO.,LTD

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携手共进 合作共赢

WORK TOGETHER WIN-WIN COOPERATION

企业简介

Enterprise introduction

恒惠创立于1999年，拥有一批具有丰富聚氨酯设备生产经验的工程技术人员。企业于2003年6月通过ISO9001:2000国际质量体系认证，现年生产各类聚氨酯设备百余台套，目前有几千台套设备在世界各地运行。

通过紧密合作的方式，使客户能优化生产工艺和改善工业化，从而使恒惠的产品得到大量用户的信任。

恒惠拥有自己的机械、电控和软件开发设计队伍，大量的库存备件，这些都有力地保证给您最优化及时的服务。

恒惠不断地为客户提供更高性能、更实用的生产设备、生产工艺的实践和经验，使我们有能力向客户进行全面的支持，与客户共同进行产品开发。

Zhejiang Henghui Machinery Co., Ltd, built at 1999, with a lot of high experienced technicians and workers.Our factory produce all kinds of polyurethane equipments several hundred sets every year, and at present thousands of equipments are running all over the world.

Under cooperating tightly, it can optimize productive technical performance and improve the industrialization,and make the Henghui' s productions to get a lot of customers' trust.

Henghui owns its designing procession of mechanical electrical controlling and software development. All of these effectively ensure to give you the best and timely service.

Henghui constantly provides higher function, more practical productive equipments, productive technology and experience for customers. It makes us to support our customers and can develop products with them.



企业一角
Enterprise Corner



大厅/The hall

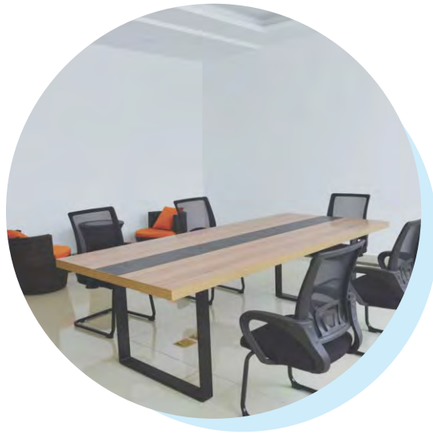

生产车间/The hall


生产车间/The hall




多媒体会议室/Multimedia conference room


办公室/Office



服务宗旨
Service Tenet

恒惠人在致力于产品研发与质量提升的同时，追求市场协同、资源共享的客户关系，力求以良好的服务让客户满意，并建立长久的伙伴关系。

我们不断提高员工的工作效率，培育一支高素质的员工队伍进行客户间的有效沟通；来自客户的任何建议与反馈，使我们得以持续提升产品品质、深化服务，致力于长期使客户满意。

Henhui has devoted itself to develop the product and promote the quality at the same time,pursuti the cooperation of themarket、share the relationship of the customer.With good service for customer satisfaction and establish the long fellowship.

We improve the work effiviency of the employee endlessly and train the high-calibre staff to carry out the effective communication with the customer; any suggestions or the feedback from the customer will help us to improve the product、deepen the service and devote ourselves to satisfiyd the customer.



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JHG20系列
二组份聚氨酯高压发泡机
JHG20 serire polyuethane High Pressure Machine(Two Components)

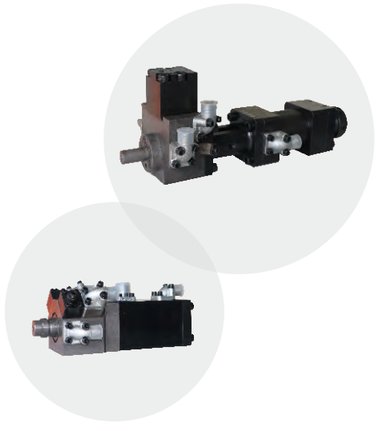








- 汽车内饰、外饰件
  Car inside and outside gadget
- 冰箱保温
  Keeping warm in refrigerator
- 保温板
  Heated board
- 家具行业软、硬泡及自结皮
  Soft、hard foam or self –tegument in furniture
- 管道保温
  Piping insulation
- 工艺专用件
  Special items for technics



高压树脂传递模塑（HP–RTM）混合头
High pressure resin transfer molding (HP-RTM) mixing head

新型恒惠A系列设备
技术与集约性确保了产品质量与可靠性

在模塑聚氨酯生产领域，对高压发泡机的需求不断增长。同时还需要这些设备具有易于管理、高技术含量、高质量标准、高效率、高可靠性等特性。此外，设备投资成本还应相对较低。新型A系列机型的研发满足了以上需求并解决了中中小企业的生产问题。在具备高度合理的同时带有很高的科技含量。

除了使用填充材料的特殊应用之外，“A”机型现在被广泛使用于其他各类聚氨酯泡沫生产中：从用于绝热的低密度聚氨酯硬泡到汽车工业和家具业用的软泡，从仿木材料到自结皮产品。

此外，为了减低对环境的影响，满足客户使用先进的技术取代低压发泡机的要求（不用含氯溶剂清洗枪头），“A”系列高压机型往往是理想的解决方案。其生产工艺更为有效，使泡沫的物理机械性能更好，泡沫质量得以明显改善。

JHG–A系列机型是恒惠承诺采用最先进技术进行设备开发与设计的切实体现。

A series machine
Technology and Intensive make sure the quality.

The requirement of high pressure machine is more and more important in Polyurethane production fields. At the same time ,these machines should be easy controlled ,high technology,high quality,highefficiency and reliable.Besides, the cost should be as cheap as possible. The A series machine satisfy these requirements and resolve the production question in minor enterprises.

Except the ones that use and pack the material are employed specially. “A” model is used other kind of polyurethane foam product extensively now; From adiabatic low density polyurethane hard bubble to auto industry and soft bubble in furniture industry, expect it forming the leather products from imitating the timber.

In addition, in order to lower the impact on environment and satisfy the customer to use modern technology to replace the low pressure machine, “A” series high pressure machine is the best choose.

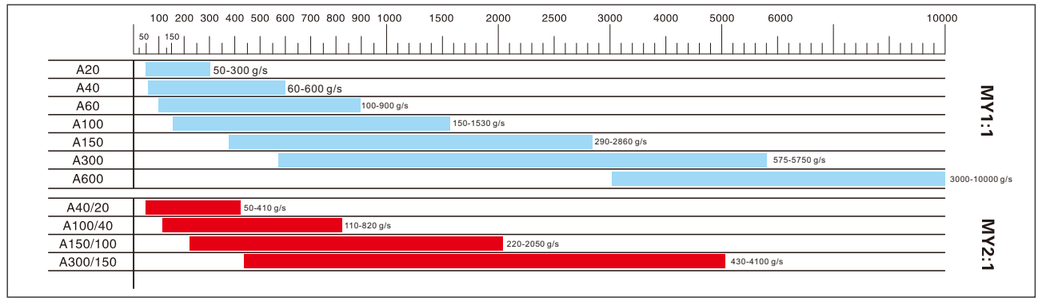
JHG–A series machine is the practical embodiment of developed and designed that Henhui adopt the most advanced technology.

可提供机型 Machine can be selected

- JHG–A–S(迷你型)
- JHG–A–H(标准型)
- JHG–A–M型(H型+工艺参数监测系统)
- JHG–A–C型(M型+流量闭环控制系统)

- JHG–A–S(mini type)
- JHG–A–H(standard type)
- JHG–A–M type(H type+technicel performance paramters of monitor system
- JHG–A–C type(M type+ratio of flowing that is closed cycleby control system

吐出量表（克/秒）Outlet quantity form(g/s)



JHG30系列

双色双密度高压发泡机

JHG30 serire double-color and density high pressure machine

特点

工业上对能使用不仅限于单一配方生产产品（例如双硬度工艺生产靠垫与座垫）的生产线的需求不断增加，恒惠在这方面提供了JHG30-A 系列高压发泡机，满足了市场的需求。

这种高压机配置的混合头特色仍然是L形混合室，但有所不同的是分别有两个独立的混合腔，最终由一个出口灌注。

两个混合腔分别由两套独立的计量设备提供原料或一套三组份设备（两份不同的聚醚和一份异氰酸酯，通过一个自动切换阀来转换两组混合室的搭配使用）。这就使得两种不同配方能同时应用到同一个或者不同的模具中，紧凑而又毫不耽搁。

恒惠DHVA-4K 混合头的另一好处在于能将多组分输出量要求的生产浓缩到一个轻巧精致的空间。这是至关重要的因素，因为如此才方便使用到机械手，或其它较小较经济型的操作机械。从而发挥最大的操作速度。

为使粘度和输出量变化较大的配方仍然能保持完美的混合效果，混合枪头还配有自清洁活塞行程可调的装置。

混合枪头中三个液压活塞的开启及闭合操作是由三个独立的电磁阀控制。

Characteristic

Not merely limited to use the single prescription produces the produts commercially(for example one pair of hardness crafts produces cushion and seat pad) demand of production line constantly increase, JHG30-A series high pressure machine is L-shaped, using two independent mixing room, poured in one export.

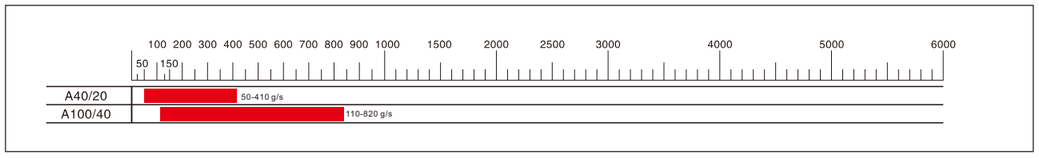
Two mixing room is supplied by two independent metering equipment, or one three components(two Iso and one Polyol, use one automatic valve to change it). This makes two different formulas to use in the same or different mould.

The DHVA-4K mixing head can let high components outlet into a small space, it makes operator can operate the machine easily.

For make viscosity and output change bigger prescription can keep the perfect mixed result still, mix rifle head is furnished with clean piston stroke adjustable device still.

In mixing head, the three hydraulic piston open and close, operate, was controlled by three independent electromagnetic valve.

吐出量表（克/秒）Outlet quantity form(g/s)



汽车内饰、外饰件

Car inside and outside gadget

家具行业软、硬泡及自结皮

Soft、hard foam or self-tegument in furniture

工艺专用件

Special items for technics





JHG-C系列

2-6组份连续高压发泡机

2-6 Component High Continuous Pressure Machine







JHG-C 型连续高压发泡机是为聚氨酯/酚醛板材发泡及保温行业研制的高科技高可靠性设备，可完全替代进口设备。

1.浇注量30-600g/s，混合比调整范围：5：1-1：5
2.工作压力6-22Mpa
3.连续注射时间不低于8小时
4.带有远程注射压力调节系统
5.自动可调节加料系统保证物料温度稳定
6.可在不停机状态下调整注射头移动速度、横扫范围、注射量
7.模块化组合，无需改造生产线即可投入运行

JHG-C series High pressure Continuous foaming machine, used for Polyurethane/ Phenolic foam for sandwich panel and keeping warm in container, High-tech and high reliability equipment, can be used to take place the import equipment.

1.Pouring output:30-600g/s,with ratio range adjustable:5:1-1:5
2.Working pressure: 6-22Mpa
3.Continuous pouring time more than 8 hours
4.With remote injection pressure regulating system
5.Automatically asjustable feeding system ensure material temperature stability
6.Can adjust the injection the head’s movement speed, movement range and injection quantity at non-stop condition
7.Modular combinations, can put into operation without modification line

RRIM反应注射成型机

RRIM Reaction Injection Molding Machine



用途/Use

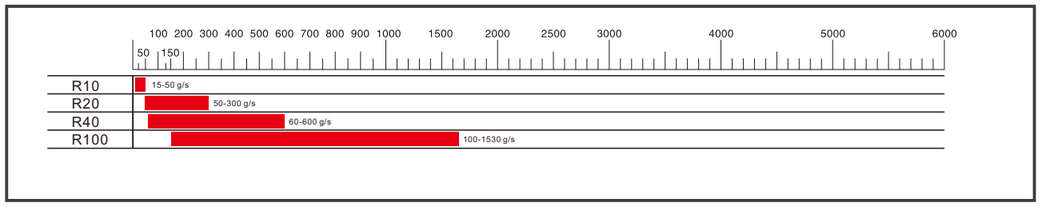
伺服式活塞用来计量多元醇和异氰酸酯。驱动速度受伺服液压控制。原料系统可填充硫酸钡、碳酸钙、玻璃纤维或石灰石。

在一些特殊应用的场合可设计成连续供料模式，如低浇注量的场合。

Servo piston for metering of polyol and isocyanate. The drive speed is controlled by the servo hydraulic control. The raw material system can be filled with barium sulfate, calcium carbonate, glass fiber or limestone.

In some special applications can be designed into a continuous feeding mode, such as low pouring quantity occasions.

吐出量表（克/秒）Outlet quantity form(g/s)



HP-RTM 高压树脂传递模塑成型

HP-RTM High Pressure Risen Transfer Molding



适用/Suitable

碳纤维和玻璃纤维增强的轻量化高性能部件批量化生产

Batch production for lightweight high-performance components reinforced by carbon fiber and glass fiber

工艺过程/Process

将一个预成型的纤维部件放在模具内，然后通过高压计量分配系统将环氧树脂和聚氨酯丙烯酸树脂注入模腔内。然后通过加温和保压使得产品硬化。

Process

A preformed fiber part is placed in the mold, and then epoxy resin and polyurethane acrylic resin are injected into the mold cavity through a high-pressure metering distribution system, and the product is hardened by heating and stable pressure.

特点/Feature

- 系统模块化设计，方便与生产线集成
- 先进的热风保温技术，温度控制精确
- 可满足最高130℃工艺温度的原料系统
- 自清洁混合头，混合均匀，注射压力稳定
- 混合头可附加脱模剂注射组份
- 触摸屏操作界面

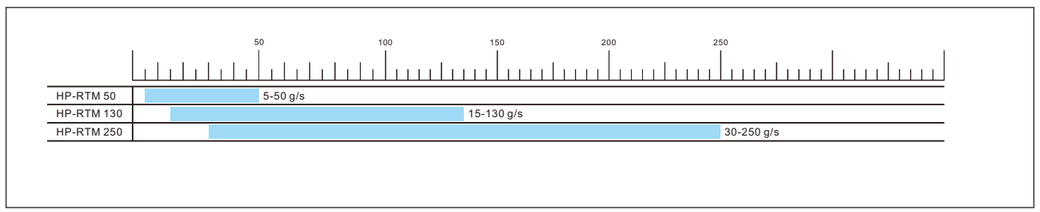
- System modular design, easy to integrate with the production line.
- Advanced hot air insulation technology, accurate temperature
- Raw material system which can meet the process temperature up to 130
- Self-cleaning mixing head, uniform mixing, stable injection pressure
- The mixing head can be added with injection components of release agent
- Touch screen operation interface







Outlet quantity form(g/s)



PURSTAR 混合串联

PUR Star Hybrid



腐蚀填料系统的加工

伺服液压驱动活塞用于多元醇和异氰酸酯的计量，可用于计量带腐蚀性填料的聚氨酯系统，如硫酸钡、碳酸钙、玻璃纤维或硅灰石。同时也可以用于计量高粘性或高含气量（高达60%）的聚氨酯组份。



Processing of corrosion filler system

Servo hydraulically driven pistons are used for the measurement of polyol and isocyanate and can be used to measure polyurethane systems with corrosive fillers such as barium sulfate, calcium carbonate, fiberglass or wollastonite. At the same time, it can also be used to measure polyurethane components with high viscosity or high air content (up to 60%).

优势一览

- 填充组份连续输入
- 兼具泵计量和活塞计量的优势
- 极佳性价比
- 灵活的机器配置
- 易于操作和维护

Advantage at a glance:

- Continuous input of filler component
- Combined advantage of pump metering and piston metering
- Excellent price – performance rate
- Flexible machine configuration
- Easy to operate and maintain



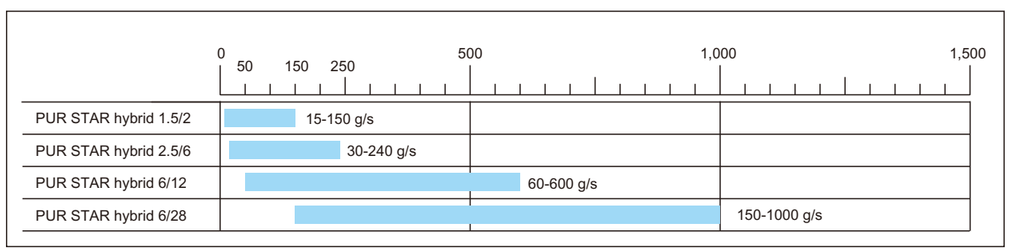
PUR STAR HYBRID mini

加工少量材料：

HYBRID mini 适用于少量聚氨酯组分的高压工艺加工,使用串联活塞计量，第一个活塞计量时，第二个活塞送入组分，确保流量连续。

Small quantity process：

HYBRID mini is suitable for high-pressure processing of a small quantity of polyurethane components, which is measured by pistons. When the first piston is measuring, the second piston is feeding, ensure the continuous component flow.



活塞式计量模块

Piston metering module



应用/Use

活塞式计量模块，应用于含有填料的原料系统，如石墨、三聚氰胺、短纤、钙粉等，适合传统高压发泡机的升级改造

Piston metering module is used in raw material systems containing fillers, such as graphite, melamine, staple fiber, calcium powder, etc., suitable for the upgrading of traditional high-pressure foaming machines.



PURSTAR 紧凑型

PURSTAR Compact



中德技术合作，创新型高压发泡机，杰出的性价比

German technology combined with Chinese agility and flexibility
best price – performance rate

卓越的产品质量
PURSTAR 系列发泡机适用于PU生产的所有领域
为每一项生产需求提供易于操作和维护的解决方案

Outstanding product quality
Our range of PUR foaming machines are suitable for all application areas in PU processing. We offer the optimum solution for every production requirement. This includes being easy to operate and maintain.

JHG-P系列

环戊烷高压发泡机

JHG-P Series Cyclopentane high pressure foaming machine









应用/Use

JHG-P 系列环戊烷高压发泡机广泛应用于家电冰箱绝热层、太阳能、建材夹心板的无氟发泡，真正适合该行业环保要求。

JHG-P Series Cyclopentane High pressure foaming machine are widely used in Adiabatic layer of Refrigerator、Solar、Building materials sandwich board Foam floride-frely, is really suitable in this trade, and Satisfy the requirement for environment protection of the refrigerators markets.

功能和特点/Function and characteristic

◆设备主关件如计量泵、高压混合头、可编程控制器、高压组份管、环戊烷气体传感器探头及控制通道卡等均采用原装进口件，保证和提高了系统可靠性。

◆设备计量单元计量泵与电机采用磁性联轴器，从而避免泵轴产生泄漏并延长了泵的使用寿命，增强了系统安全性、可靠性；采用大保险系数设计 延长使用寿命。

◆主要安全防护措施

防护隔离房及排风装置
环戊烷气体监测报警系统
氮气保护
采用防爆电器
设备接地
防泄漏控制
混合头浇注前先向混合腔充注氮气以置换型腔内的空气
远程监控系统

◆Main parts such as metering pump、mixing head、Programmable controller、high pressure components pipe、gas transducer’s head and the controlling channel card are all import items;

◆The metering pump and the motor are connected with magnetic shaft coupling, to prolong the pump’s life and enhance the safety of the system;

◆Main protect method

Installation isolation room and out wind device
Installation gas monitor the warning system
N_2 protection
Adopt the anti-blast electric apparatus
Earthing the apparatus
Defend revealing controlling
Pouring N2 before mixing head
Pouring so as to exchange the air
Remote monitoring system

GF系列

玻纤增强（LFI）高压发泡机

GF Series Glass Fiber (LFI) High Pressure Foaming Machine

适合/Suitable for

可以实现聚氨酯组份与长玻纤在混合头腔体内混合共注。

It can be realized that the polyurethane component and the long glass fiber can be mixed in the mixing head chamber.

特性 Characteristic

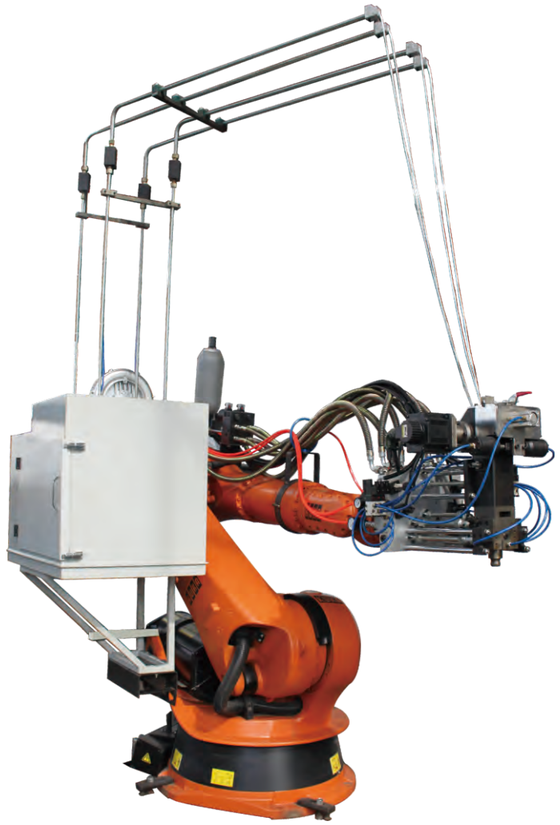
- ●纱线的输送和切割
- ●组份混合反应
- ●增强纤维加混合反应物

- ●Fiber delivery and cut
- ●Components mixed reaction
- ●Reinforced fiber and mixed reaction

应用/Use

在汽车、交通运输、工程机械等行业广泛应用，主要应用于生产仪表盘骨架、蜂窝板门板、后置行李架、内饰板、顶棚、挡泥板、隔热结构件、隔热板等 。

Widely used in automotive, transportation, engineering machinery and other industries, mainly used in the production of dashboard framework, honeycomb board door plank, rear luggage rack, interior panels, roof, fender, insulation structure, insulation board etc.

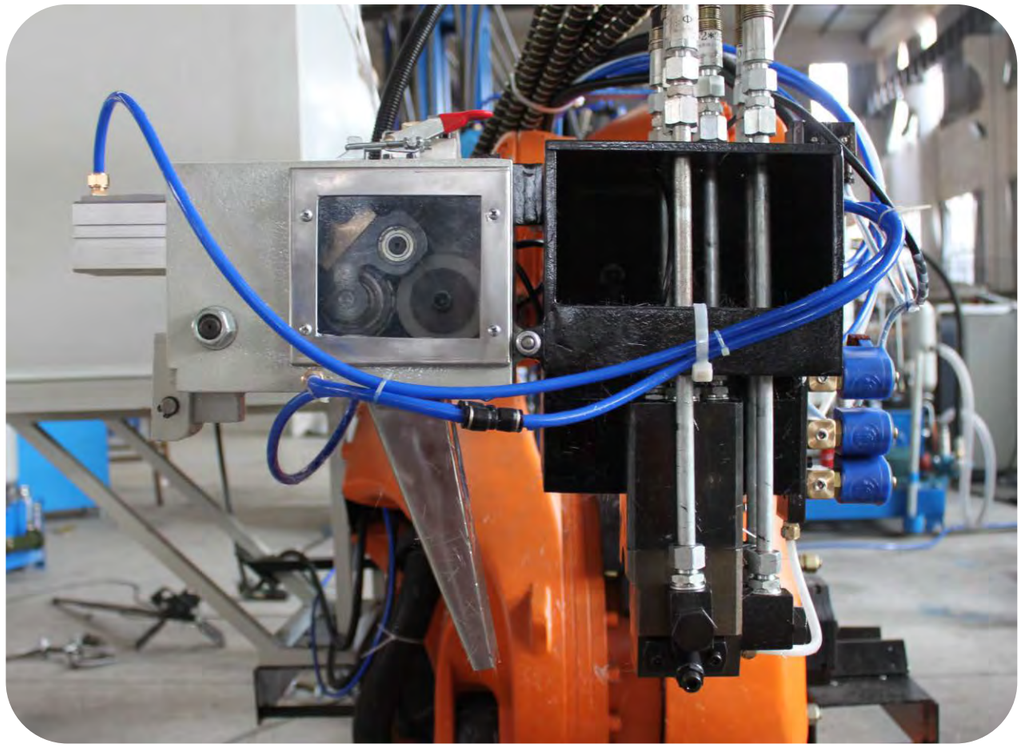






喷涂发泡

Spraying Foam



应用/Use

应用于轻量化聚氨酯复合材料承重板（聚氨酯蜂窝纸夹芯板）
应用于汽车内饰件及其他高品质产品聚氨酯表皮的喷涂

Applied to lightweight polyurethane composite load-bearing plate (polyurethane honeycomb paper sandwich panel).

Spray applied to automotive interior trim and other high quality products polyurethane skin.

LA系列

聚氨酯低压发泡机（两组份）

LA Polyurethane low pressure foaming machine (2 components)





超大流量发泡机
Super large flow phenolic foaming machine



适合/Suitable for

硬质、高回弹、慢回弹、自结皮发泡
hard,high resilient, slow reslient, self–skin formed foaming.

应用/Use

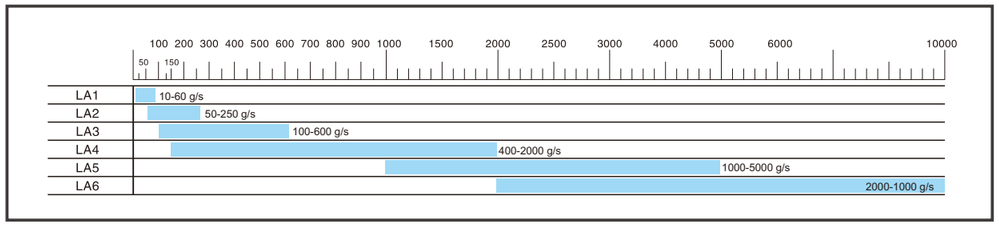
方向盘、汽车座垫、填充材、板材、玩具、健身器材、保温品等。
Handwheel, vehicle seat cushion, fill–ings,slab materials, toys, gym equipments, insulating device etc.

特性/Characteristic

1.混合头：新型的注料阀门，吐出精确同步、不堵塞。
2.计量泵：使用高精度计量泵，无级调速电机驱动、配比调整范围宽，品质可靠。
3.系统：微电脑控制，注料量控制点999个，并有温度、压力、转速、清洗系统。
4.可选装水性清洗系统，节约生产成本有利于环保。
5.料桶：夹层式保温，SUS304不锈钢材料。
6.可加填料(选装部件)。

1.Mixing head:New–style pouring valve, accurate and synchronous outlet without block–up.
2.Metering pump:Using high precise metering pump, stepless variable drive, with range of ratio adjustment, reliable quality.
3.System: Controlled by computer,the control point of pourig quantity can be up to 999, with temperature、pressure、rotating speed and cleaning system in it.
4.Can select using water as cleaning system. Save the production cost and protect the environment.
5.Barrel:Layered–type insulating, using SUS304 stainless.
6.It can append the stuffing(optional parts).

吐出量表（克/秒）Outlet quantity form(g/s)



LB系列

聚氨酯低压发泡机（三组份）

LB Polyurethane low pressure foaming machine (3 components)









适合/Suitable for

硬质、高回弹、慢回弹、自结皮发泡

hard,high resilient, slow reslient, self–skin formed foaming.

应用/Use

方向盘、汽车座垫、填充材、板材、玩具、健身器材、保温品等。

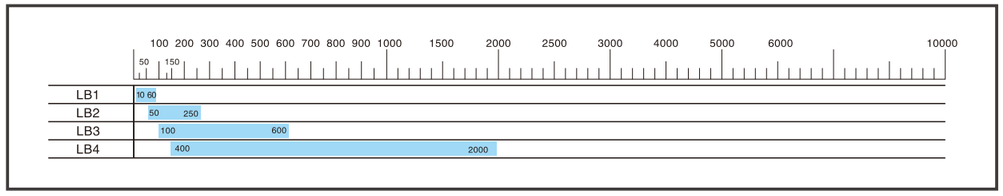
Handwheel, vehicle seat cushion, fill–ings,slab materials, toys, gym equipments, insulating device etc.

特性/Characteristic

1.混合头：新型的注料阀门，吐出精确同步、不堵塞。
2.计量泵：使用高精度计量泵，无级调速电机驱动、配比调整范围宽，品质可靠。
3.系统：微电脑控制，注料量控制点999个，并有温度、压力、转速、清洗系统。
4.可选装水性清洗系统，节约生产成本有利于环保。
5.料桶：夹层式保温，SUS304不锈钢材料。
6.可加填料(选装部件)。

1.Mixing head:New–style pouring valve, accurate and synchronous outlet without block–up.
2.Metering pump:Using high precise metering pump, stepless variable drive, with range of ratio adjustment, reliable quality.
3.System:Controlled by computer,the control point of pouring quantity can be up to 999, with temperature、pressure、rotating speed and cleaning system in it.
4.Can select using water as cleaning system. Save the production cost and protect the environment.
5.Barrel:Layered–type insulating, using SUS304 stainless steel.
6.It can append the stuffing(optional parts).

吐出量表（克/秒）Outlet quantity form(g/s)



JH902/903系列
聚氨酯鞋底/连邦成型机
JH902/903 Series Polyurethane Sole/foaming Machine

适合/Suitable for
生产各种双色、单色聚氨酯鞋底/连邦成型鞋
Applicable for sole and upper combined molding shoes of bicolor or unicolor polyurethane

功能和特点/Function and Characteristic
・混合头采用高速复合型混合机构，混合均匀，比传统鞋机减少废料50%以上，并可连续灌注生产。专利技术生产的注料阀门永不磨损、堵塞，并且消除了在其它机台中普遍存在的吐出瞬时差的问题，杜绝产品质量隐患，混合头外套附有冷却装置。
・输料单元采用高精度计量泵，为军工企业定点生产，配合精密，计量精度高，采用电子脉冲采集转速，并实时地在电脑上转换成注料量，使误差小于3/1000。
・120升不锈钢料桶，双层保温机构，采用独立的恒温箱供热，管中管保温机构，杜绝了国内同类产品保温装置所产生的冲温现象。
・采用PLC控制器，性能稳定，绝无干扰。可存贮多达800种制品规格，克数计量，单个按钮注料，自动跟踪，方便准确。电器采用进口元件，温度、压力等实时监测。

・The mixing head uses high-speed compound mixing mechanisem,it can reduce waste material by at least 50% and work Constantly. The pouring valve, a patent product, never weares or causes lock-up, without the common problem of outlet time difference. Outside the mixing head, there is a cooling installation.
・Material conveyer uses precise metering pump and electric pause counter, with a tolerance of less than three thousandths.
・The-stainless steel barrel, with a capacity of 120L, a double-layered insulating mechanism, uses an independent thermostated container to supply heat, keeping the heat from charging.
・Using PLC computer-controlled box, stable and without disturbance, which can store 800 kinds of norm of products, amount calculated by gramm pouring by a single button, auto -watching, convenient and accurate, Electric elements are imported. Temperature and pressure can be watched and surveyed timely.









LS系列
聚氨酯喷胶机
LS Series Polyurethane Spr

适合/Suitable for
带有伺服线性移动装置在双履带岩棉复合板生产线上连续喷胶。
With servo control moving system to control continuous spray on double belt rock composite board production line.



特性/Characteristic
●高精度计量系统
●两套喷涂混合头
●在线调节流量
●模块化设计，无需改造生产线。

●High-precision measurement system
●Two spray mixing head
●Adjust the output on-line
●Modular design, no need rebuild the production line.

封边发泡机
Edge Bonding Foaming Machine



适合/Suitable for
岩棉复合板生产线、卷帘门生产线、发泡密封条生产线等。
Composite rock wool board production line, rolling door production line, foam sealing strip production line.

特性/Characteristic
●高精度计量系统
●两套混合头，连续注射
●在线调节流量
●模块化设计，无需改造生产线。

●High-precision measurement system
●Two mixing head, continuous spray
●Adjust the output on-line
●Modular design, no need rebuild the production line.

CA系列
二组份弹性体浇注机
CA Series Two Component Elastomer Pouring Machine

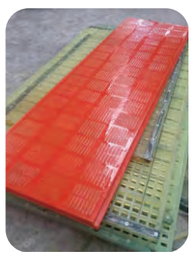
用途/Use

可适用TDI、MDI体系以MOCA、BDO及其他物质为扩链剂的聚氨酯弹性体制品。
it is used for the production of TDI、MDI series or MOCA、BDO and other chain extendor polyurethane.

特点/Characteristic

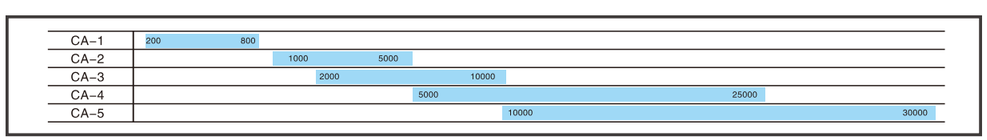
1.计量准确，配比误差 < ± 0.3%;
2.混合均匀，创新混合机构，性能可靠;
3.导热油循环加热，温度误差 < ± 2℃
4.全新出料阀门，真空度好，制品宏观无气泡;
5.色浆和添加剂直接进入混合头，降低成本，提高效率(选装部件)。
1.The measure is accurate, the mixture ratio inaccuracy is less than < ± 0.3%;
2.Misce bene, the innovative mixing organization, dependable performance;
3.Hot oil circulation heating, keep temperature error < ± 2℃
4.The fire-new discharge valve, good vacuum degree, the product is macroscopy and free of blowholes;
5.The color sizing and additive join the mixing head directly, reduction of cost, increase efficiency(optional parts) .







型号及吐出量表/The model number or extrudate(g/min)



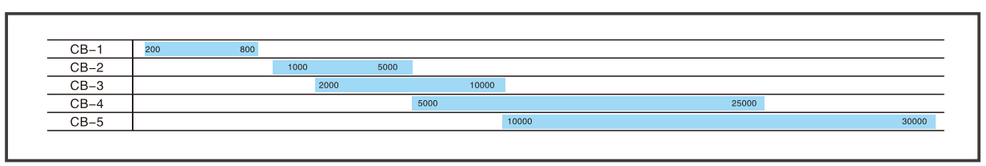
CB系列
三组份弹性体浇注机
Cb Series Three Component Elastomer Pouring Machine



用途/Use

可适用 TDI、 MDI、MDQ体系以MOCA、BDO 及其他物质为扩链剂的聚氨酯弹性体制品。
It is used for the production of TDI、MDI、MDQ series of MOCA、BDO and other chain extendor polyurethane.

型号及吐出量表(克/分钟)/The model number or extrudate(g/min)



QA系列

二组份弹性体浇注机

QA Series Two Component Elastomer Pouring Machine



用途/Use

可适用TDI、MDI体系以MOCA、BDO及其他物质为扩链剂的聚氨酯弹性体制品。

it is used for the production of TDI、 MDI series or MOCA、BDO and other chain extendor polyurethane.

特点/Characteristic





1.计量准确，配比误差 < ± 0.3%;

2.混合均匀，创新混合机构，性能可靠；

3.热风循环加热，温度误差 < ± 2℃

4.全新出料阀门，真空度好，制品宏观无气泡；；

5.色浆和添加剂直接进入混合头，降低成本，提高效率。

1.The measure is accurate, the mixture ratio inaccuracy is less than < ± 0.3%;

2.Misce bene, the innovative mixing organization, dependable performance;

3.Heated air circulation heating, keep temperature error < ± 2℃

4.The fire–new discharge valve, good vacuum degree, the product is macroscopy and free of blowholes;

5.The color sizing and additive join the mixing head directly, reduction of cost, increase efficiency .

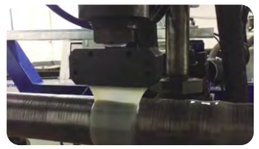
型号及吐出量表/The model number or extrudate(g/min)

QA–1	200 800
QA–2	1000 5000
QA–3	2000 10000
QA–4	5000 25000
QA–5	10000 30000

QB系列

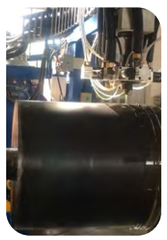
三组份弹性体浇注机

QB Series Three Component Elastomer Pouring Machine













用途/Use

可适用 TDI、 MDI、MDQ体系以MOCA、BDO 及其他物质为扩链剂的聚氨酯弹性体制品,能同时满足常规浇注和旋转浇注两种生产工艺。

It is used for the production of TDI、 MDI、 MDQ series of MOCA、 BDO and other chain extendor polyurethane,can meet the conventional casting or rotary casting process requirement.

型号及吐出量表(克/分钟)/The model number or extrudate(g/min)

QB–1	200 800
QB–2	1000 5000
QB–3	2000 10000
QB–4	5000 25000
QB–5	10000 30000

EA系列
二组份弹性体浇注机
EA Series Two Component Elastomer Pouring Machine





用途/Use

可适用 TDI、MDI 体系以MOCA、BDO 及其他物质为扩链剂的聚氨酯弹性体制品。

It is used for the production of TDI、MDI series of MOCA、BDO and othe chain extendor polyurethane.

特点/Characteristic

- 不锈钢料桶。
- 全新设计的混合头，独自调控浇注压力和循环压力，工作压力自动调节。
- 采用德国进口高精度无脉冲计量泵。
- 油电复合式加热，独立控制各料罐、管道和混合头的温度。
- 智能化管理系统，通过相关软件来监控和显示机器的所有工作参数。
- 模块化设计，增强了系统的灵活性。

- Stainless steel tanks.
- The new designed mixing head, regulates pouring pressure alone and cyclic pressure, and the pressure can auto regulate.
- Adopted Germany-made high-precision metering pumps.
- The tanks、pipes and mixing head’s temperature are heated independently by oil or electric
- Intelligent management system, through the relevant software to monitor and display all of the machines work parameters
- Modular design,enhance the flexibility of the system.

型号及吐出量表(克/分钟)/The model number or extrudate(g/min)

EA-1	200 – 800
EA-2	1000 – 5000
EA-3	2000 – 10000
EA-4	5000 – 25000
EA-5	10000 – 30000

EB系列
三组份弹性体浇注机
QB Series Three Component Elastomer Pouring Machine





用途/Use

可适用 TDI、MDI 体系以MOCA、BDO 及其他物质为扩链剂的聚氨酯弹性体制品,能同时满足常规浇注和旋转浇注两种生产工艺。

It is used for the production of TDI、MDI series of MOCA、BDO and other chain extendor polyurethane,can meet the conventional casting or rotary casting process requirement.

型号及吐出量表(克/分钟)/The model number or extrudate(g/min)

EB-1	200 – 800
EB-2	1000 – 5000
EB-3	2000 – 10000
EB-4	5000 – 25000
EB-5	10000 – 30000

D系列

弹性体微量浇注机

D Series Elastomer Pouring Machine





用途/Use

适合用于聚氨酯弹性体、环氧树脂等制品的生产。

Suit for making Polyurethane elastomer epoxy resin production.

如鞋材、鼠标垫、高尔夫球、PU轮子、标牌、电子灌封等。

Such as Polyurethane shoe material、mousepad、golfball、PU wheels、lable、electronic encapsulating.

特点/Characteristic

1.整机全不锈钢制作，安全可靠，容易清洗。夹层保温料桶，使原料加热更快速更可靠。
2.采用精密齿轮计量泵浦，结合可靠的伺服控制系统，使机器完全数控式计量，精确度达0.3%。
3.料管具有自动控温功能，保证生产稳定。
4.轻巧耐用的灌注枪，操作简便，维护方便。
5.控制系统：触摸屏显示操作，中文/英文两种语言可选择。
6.具备自动供料、真空脱泡等多项附加功能。
7.整机结构紧凑轻巧，方便用户移动作业。
8.色浆和添加剂直接进入混合头，降低成本，提高效率(选装部件)。

1.Whole machine made by stainless steel, safety and reliable, easy washing, Double layers of material barrel makes the material heating more quickly and reliable.
2.Use high precise gearing pumps, with servo control system, The machine completely NC type measuring, measuring accuracy reach to 0.3%.
3.Pipes can control the temperature automatically, ensures production normally.
4.Light and durable injection gun, easy and simple to handle, easy maintenance.
5.Control system:Touch screen shows operate interface, with Chinese or English two languages.
6.The machine with Auto-filling、vacuum defoamation.
7.The machine’s structure is compact and light, convenient for user to move it.
8.The color sizing and additive join the mixing head directly, reduction of cost, increase efficiency(optional parts) .

F系列

中温弹性体浇注机（2-3组份）

F Serire Intermediate Temperature Elastomer Casting Machine (2-3 Components)



用途/Use

适用于采用半预聚体法生产的中、低硬度聚氨酯弹性体制品 如：滑板轮、鼠标垫、防滑垫、防震垫等。

It can be used for the products of the medium、soft hardness. Such as return board wheel、mouse mat、non-slip mat、crash roll.



特点/Characteristic

1.计量准确，配比调整方便；
2.混合均匀，创新混合机构，性能可靠；
3.新型恒温装置，温度误差 < ± 2℃；
4.全新出料阀门，真空度好，制品宏观无气泡；
5.色浆和添加剂直接进入混合头，降低成本，提高效率(选装部件)。

1.The measure is accurate, the mixture ratio、adjustment easily,
2.Misce bene, the innovative mixing organization, dependable performance,
3.The late-model thermostatic apparatus, the temperature error is less than < ± 2℃,
4.The fire-new discharge valve, good vacuum degree, the product is macroscopy and free of blowholes,
5.The color sizing and additive join the mixing head directly, reduction of cost, increase efficiency(optional parts) .

JHT20/30系列（2-3组份）

密封条现场发泡定量混合系统

Polyurethane Foam In Place Gaskting Dosing & Mixing System







JHT系列三维聚氨酯密封条成型机能对应不同应用方式将混合液浇注在平板工件、凹槽或各种异性模具内，混合液透过化学反应发泡为密封圈，并能牢牢与工件粘合。自动化现场浇注发泡的密封圈，是连续性的生产过程，没有明显的接点及截点，直接与工件粘合，因此不论在密封、防潮、防尘、隔音、避震缓冲、绝缘等物理特性方面皆有最佳的表现，能完全符合UL/CE安全规范认证及MIL-STD-167防震及EN50298防水防尘测试。

JHT series 3D Polyurethane Shaping Machine can correspond different application modes to pour miscible liquids into the flat work piece、socket or all kinds of moulds, miscible liquids permeate chemical reaction to froth the obturating ring and agglutinate the work piece. Automation scene perfusion vesicant obturating ring is the successional course of production, didn't have the palpable contact point or section and agglutinate with work piece directly, therefore under airproof、damp proof、dustproof、soundproof、insulating、circumsances it also has topgallant performance and conform with the security specifications authentication of UL/CE、 shockproof test of MIL-STD-167 or waterproof and dustproof test of EN50298.



应用/Use

工业配电箱密封条、灯具密封条、汽车内外饰件密封、发动机密封等。

The glalnd strip of the industrial jack box、lamps and lanterns、the interior and exterior trim in the car and the engine.

产品特征/Product features

粘度（25℃）：500-80，000mPas
混合比15：1到1：1
硬度：邵氏7-75A
最高运行速度：35m/min
CNC-加速度：5m/s2
定位精度：±0.05mm
输出量：0.05g/s-100g/s
加工尺寸：
A1-2,500x1,200x150mm (X/Y/Z)
A2-1,200x600x150mm (X/Y/Z)

Viscosity(25℃):500-80,000mPas
Mulling ratio: from15:1 to 1:1
Hardness: shores 7-75A
Maximum operating speed: 35m/min
CNC-acceleration: 5m/s2
Setting accuracy: ±0.05mm
Send out: 0.05g/s-100g/s
Finish size:
A1-2,500x1,200x150mm (X/Y/Z)
A2-1,200x600x150mm (X/Y/Z)

JHB20/30系列

滤芯密封端盖成型机（2-3组份）

JHB20/30 Series End Cover Foaming Machine(2-3 Components)







适合/Suitable for

半硬质、高回弹、慢回弹、自结皮。 Semi-hard, high resilient, slow reslient,self-tegument .

应用/Use

汽车空气滤清器、工业过滤器等。The air filter for the car、The industry filter.

特性/Characteristic

1.混合头：新型的注料阀门，吐出精确同步、不堵塞；
2.计量泵：使用高精度计量泵，无级调速电机驱动、配比调整范围宽，品质可靠；
3.系统采用电脑控制，并有温度、压力、转速、清洗显示系统；
4.可选装水性清洗系统，节约生产成本有利于环保；
5.料桶：夹层式保温，SUS304不锈钢材料；
6.采用数控装置驱动工作台，按程序设定的轨迹移动，可自动浇注圆形、方形和特殊不规则形状的产品，具有生产效率高、性能可靠等优点。

1.Mixing head:New-style pouring valve, accurate and synchronous outlet without block-up.
2.Metering pump:Using high precise metering pump. Stepless variable drive, with range of ratio adjustment, reliable quality.
3.System: Controlled by computer, with temperature、pressure、rotating speed and cleaning system in it.
4.Can select using water as cleaning system, save the production cost and protect the environment.
5.Barrel:Layered-type insulating, using SUS304 stainless steel.
6.Adopted the numerical control device to drive the working bench, move according to the orbit that the procedure establishes, can pour the products into the round、square、special irregular forms automatically, with the high efficiency and credible.

环戊烷发泡预混站/静态混合机

Cyclopentane Foaming Premixing Station / Static Mixer

用途/Use

- 广泛应用于家电、保温行业
- 适用于环戊烷、催化剂或245Fa等原料的预混

我们还提供

- 二氧化碳加气装置
- 聚醚组份加气装置

- Widely used in household electrical appliances and thermal insulation industryIt
- is suitable for premix of cyclopentane, catalyst or 245Fa.

We also offer:

- Metering unit for CO2 loading in a batch process
- Metering unit for charging the Polyol component with gas



TPU系列

三液型定量混合机

TPU Series Ration Blending Machine

TPU–1系列三液型定量混合机是我公司跟踪国际高端技术产品，结合国内聚氨酯行业应用情况自主创新开发出的高技术产品，专门用于TPU弹性体的定量混合，配合造粒设备组成TPU造粒生产线。

TPU–1 series ration blending machine is the independent innovation product that our company follows the international high technology and combines the applicable situation of internal polyurethane industry, especially is used for the ration mixing of TPU elastomer and coordinate with the Granulation Equipments to constitute the pelleting production line.

特性/Characteristic

1.采用德国进口高精度计量系统。
2.全程热油保温。
3.数字化流量闭环控制，计量精度误差＜1.5‰。
1.Adopted Germany–made high–precision measurement system.
2.Heat preservation by hot oil Omnidistance.
3.Digital flow closed–loop control, and the measuring accuracy less than ＜1.5‰.



微量给料系统

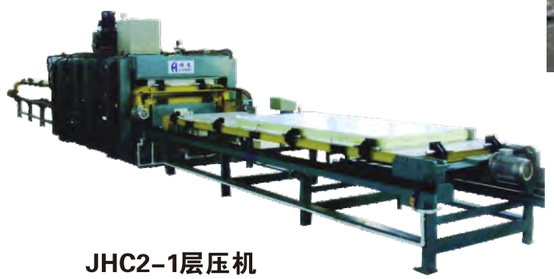
Micro additive system



层压机
Laminating Machine

产品特点

1.热压板:选用专业制造的热压板，具有变形少导热快的特点。水压30kg/cm'条件下无泄漏，表面经大型磨床加工、光洁度高。
2.油缸:由于采用高耐磨导套、双组油封防漏油稳定性好，柱塞表层镀硬铬，精度高、耐磨性好。
3.连接软管:选用耐高温专用蒸气胶管，安全、使用寿命长。
4.液压、电控系统:简便、可靠。



JHC2-1层压机



多层层压机
The Multilayer Laminating Machine





产品特点/Product Characteristic

JHC2- 1型非连续式夹芯板生产线又称层压机，工作生产时，在对两块板进行现场发泡注入，并且固化的同时，对另两块板进行装卸，故也二进二出。该机特点是设备体积相对连续聚氨酯夹芯板生产线小，价格便宜，较合适用于构建冷库房及其它高保温建筑的聚氨酯夹芯板生产。

JHC2-1 series non-continuous laminboard production line is called laminating machine, when it works, using two boards to froth scene and empty into, when it solidifies to unload another boards to froth scene and empty into, when it solidifies to unload another boards, so two in two out, the feature of this machine is that the volume of the equipment is smaller than continuous polyurethane laminboard production line, the cheap price and it is suitable for the construction of the cold storehouse and the manufacture of other high heat retaining tectonic polyurethane sandwich panel.

聚氨酯板材连续生产线
Polyurethane Panel Continuous Production Line

板材连续生产线工作方式是在硬质或软质的基材表面连续均匀注入聚氨酯反应混合物，通过双履带的压力下连续运行，经聚合反应后一起复合固化成型。复合板材按预先设定的所需长度进行切断。

Panel continuous production line is in hard or soft substrate surface continuously and uniformly injected polyurethane reaction mixture, under the pressure of double track continuous operation, the polymerization reaction of composite curing. The composite plate is cut off according to the required length in advance.

组成/Made of

- 基面板成型系统
- 聚氨酯混合反应系统（2-6组份）
- 连续移动压力成型系统（6-42m）
- 切割系统
- 岩棉处理及涂胶封边系统

- Base plate forming system
- Polyurethane mixed reaction system (2-6 component)
- Continuous moving pressure forming system (6-42m)
- Cutting system
- Rock wool processing and coating sealing system



岩棉复合板自动岩棉系统



模塑发泡生产线

环形（地轨式）发泡生产线

Ring (rail type) foam production line

用途/Use

该生产线主要应用于汽车座椅、头枕和座椅靠背等产品的生产。

mainly used in the production of car seats, memory foam pillow and seat backrest and other products.



适合/Suitable for

适用于产品规格多样的大批量生产

Suitable for mass production of various product specifications

组成/Made of

- 聚氨酯混合反应系统(2-6组份)
- 环形流水线/圆盘流水线
- 模架
- 自动浇注机械手
- 脱模剂自动喷涂系统

- Polyurethane mixed reaction system (2-6 component)
- Oval production line / Rotary production line
- Mould frame
- Robot injection system
- Mould release spray system

圆盘（旋转平台）发泡生产线

Disc (rotary platform) foamed production line



适合/Suitable for

适用于中等规模到大批量的生产

Suitable for medium to large quantities of production



适合/Suitable for

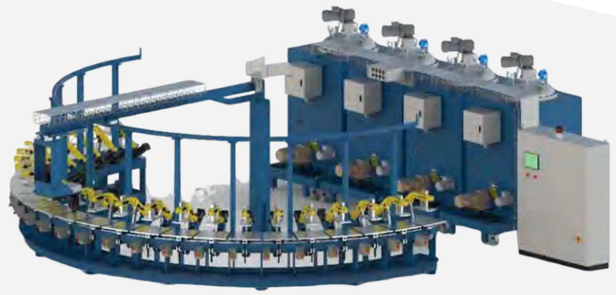
适用于小型模塑产品中等到大批量的生产

Suitable for small molding products until mass production.



香蕉型发泡生产线

Banana shape foamed production line



JHF系列
多用途聚氨酯合成反应釜
JHF Series Multipurpose Polyurethane Synthesis Reaction Kettle

适合/Suitable for

多用途聚氨酯合成反应釜系统是针对市场对高性能聚氨酯预聚体的需求开发的聚氨酯合成生产设备。

All–purpose polyurethane synthesis reation kettle system is the exploitative polyurethane synthesis equipment that is to aim at the market’s meets of the high*powered polyurethane.

用途/Use

1.可用于商品聚氨酯预聚体的批量合成生产，预聚体种类包括TDI型、MDI型及不同工艺的品种；
2.可用于聚氨酯生胶及其他高粘度聚氨酯产品的合成生产；
3.可用于原材料的脱水、搅拌、调配等。

1.It can be used in the batch synthesis manufacture of the polyurethane, including the TDI series、MDI series of different tech–nologic varieties.
2.It can be used in the unvulcanized rubber of the polyurethane or the synthesis manufacture of other high viscosity polyure–thane products.
3.It can also be used in the dehydration、stir、preparation of the raw materials.





主要参数/Main Parameter

1.工作温度80-120℃;
2.工作压力0.3mpa-0.1mpa;
3.搅拌速度50-150rpm
4.容积50-2000L.

1.Working temperature80-120℃;
2.Working pressure: 0.3mpa-0.1mpa;
3.Mixing speed: 50-150rpm
4.Volume: 50-2000L.

各类输送线
All kinds of Production lines

直线型生产线
Linear Production Line



圆盘输送线
The Disk Conveyor Line





水加温环形输送线
The Ring–shaped Delivery conduit



烘道式环形输送线
Oven type oval production line



烘道式环形输送线
Oven type oval production line

烘道式环形输送线技术性能参数
TECHNICAL PARAMETERS OF THE OVEN TYPE OVAL PRODUCTION LINE

烘道式环形输送线技术性能参数 Technical Parameters Of The Oven Type Oval Production Line	生产流水线型号 Model No.of production line						
	JHL-60	JHL-75	JHL-80	JHL-90	JHL-50	JHL-60	JHL-80
生产流水线尺寸长X宽X高 Dimensions of production	18950X1980X1280	23450X1980X1280	24950X1980X1280	27950X1980X1280	13665X1980X1280	16165X1980X1280	21165X1980X1280
工作小车台 Dimensions of operational platform	600X500	600X500	600X500	600X500	500X500	500X500	500X500
工位数，只 No.of operational positions	60	75	80	90	50	60	80
链轮中心距 L4mm Distance between the mean lines of chain wheels	16900	21400	22900	25900	11510	14010	19010
烘道节数，节 No.of drying channels	7	9	9	11	6	7	8
加热 式 Heating type	热红外线/燃油 Thermal infrared/fuel	热红外线/燃油 Thermal infrared/fuel	热红外线/燃油 Thermal infrared/fuel	热红外线/燃油 Thermal infrared/fuel	热红外线 Thermal infrared	热红外线 Thermal infrared	热红外线 Thermal infrared
加热设备 Heating device	电热管/燃油加热器 Electric heater/fuel heater	电热管/燃油加热器 Electric heater/fuel heater	电热管/燃油加热器 Electric heater/fuel heater	电热管/燃油加热器 Electric heater/fuel heater	电热管 Electric heater	电热管 Electric heater	电热管 Electric heater
整机功率，kw Power of whole unit	23/6	32	32	40	22	25	30

注：1. JHL型号为燃油、电加热两用；JHLD为电加热。2. 各型号流水 可根据用户实际需要进行设计
Notes.HFL type with both fuel heating and electric heating, HFLD with only electic heating.2. We can design all models of assembly line in the light of consumers'

其它设备/Other Devices

- 灌胶机
- 水帘机
- 聚氨酯微孔弹性体浇注机
- 原料预热箱
- 冷水机2-10HP
- 热模塑聚氨酯软发泡机
- 各类专业设备设计、制造、服务

- Glue Filler
- Water Screen Machine
- Polyurethane Millipore Elastomer Casting Machine
- Raw Material Preheater box
- Cooling-water Machine 2-10HP
- The Heat Mould Polyurethane Foaming Machine
- All kinds of professional equipment、Produce、serives

记事页 Memo page

HPE