KIIWOO TECHNOLOGY

Professional Rubber & Silicone machine supplier

KIIWOO TECHNOLOGY

Rubber & Silicone machinery / molds

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KiiWOO

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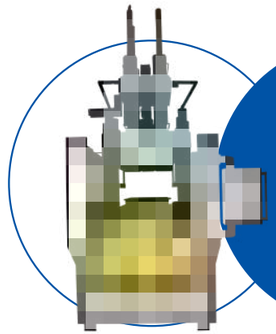

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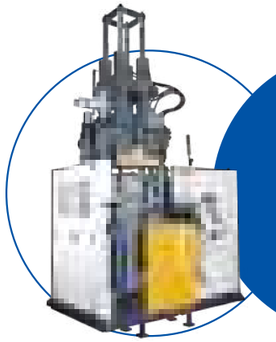

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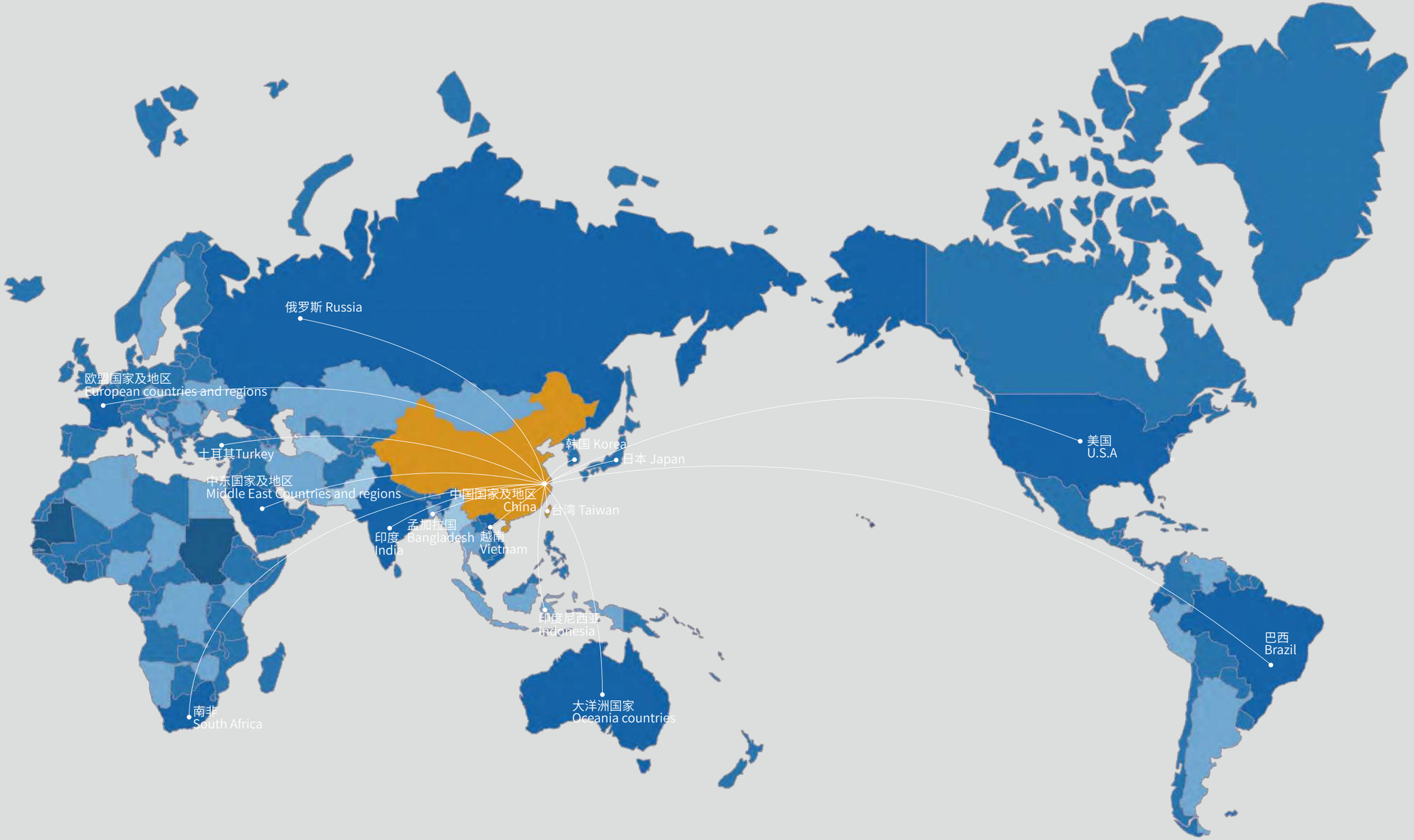


KiWoo

国内首家将伺服电机系统，用于硅橡胶油压成型机上

The first servo motor system in China
Used on silicone rubber hydraulic forming machine

About Kiiwoo

关于捷和
About Kiiwoo

以技术创新求发展 推行品牌战略 实施专业化服务

Seeking development with technological innovation
Carry out brand strategy
Implementation of professional service

专业研发制造优质硅橡胶成型机

Specializing in R&D and manufacturing of high-quality silicone rubber molding machines

品质尊严的开始，捷和特别注重生产流程中的各项细节，对每个流程皆严格把关，致力提供优质的产品给客户。公司主要经营：橡胶射出机，真空平板硫化机，平板硫化机，预成型机，骨架油封机，硅胶切条机等各个机种。捷和无微不至的售后服务网络随时在您的身边，全天候服务热线及时处理您的质量申诉和信息反馈，并提供其它全部油压机厂的机器维修与技术服务支持，是橡胶电子零件、汽车配件、导电橡胶、油封类、运动器材、医疗器材及各式器皿等厂家之选择。

捷和将一如既往地遵循“以技术创新求发展，推行品牌战略，实施专业化服务”的方针和承诺，愿为各界同仁精诚合作，共创繁荣！明日的捷和将用崛起的力量服务世界。

We are founded in Suzhou city as Suzhou Jiehe machinery running for the beginning 5 years, supplied rubber injection molding, vacuum press and non-vacuum press and related products to China mainland market. 2015 we got Kiiwoo Brand for our global business brand, started our global service and selling. Until now kiiwoo has office in Europe, USA, Russia, India, Turkey, Malaysia, Thailand and keep growing. In order to meet the expanding requirements, we got new plants in Anhui province. As a growth rubber machinery supplier, we look forward to growing with you together.

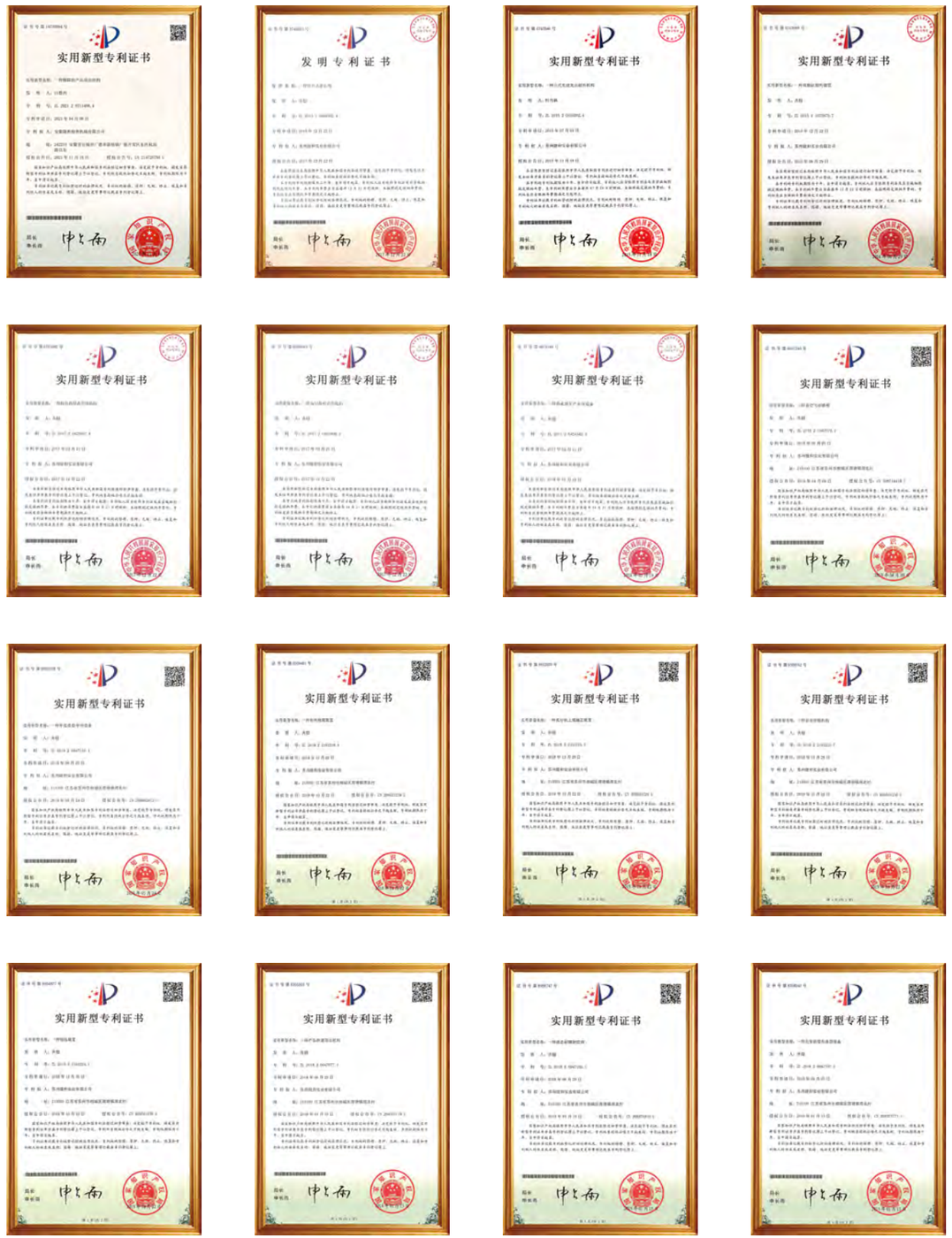
At the beginning of quality and dignity, Kiiwoo pays special attention to the details of the productionprocess, sticitly checks each process, and stives to piovide high-quallty pioducts to customers. Thecompany mainly engaged in: rubber injection machine, vacuum flat vulcanizer, flat vulcanizer,preformer, framework oil seal machine, silicone cutting machine and other models. Kiiwoo's meticu-lous after-sales service network is at your side at any time. The all-weather service hotline handlesyour quality complaints and infomation feedback in a timely manner, and provides machinemaintenance and technical seivice support for all other oll press manufacturers.It is the choice ofrubber electronic parts, auto parts, conductive rubber, oil seals, sports equipment, medicalequipment and various utenslls and other manufacturers.

Kiiwoo wil, as always, follow the policy and commitment of "seeking development with technologicalinnovalion, implementing brand strate-gy, and implementing professional services". We are willng tocooperate sincerely for all colleagues and create prosperity together! Tomorrows Kiiwoo will use therising power to serve the world.

资质证书
Qualification Certificate

始终以国际质量体系为准绳，坚持以优质的产品服务于客户。捷和精密以享誉业界的盛誉为动力，专著于产品品质、技术创新和优质服务，取得专业研发专利证书30项。在不断创新与超越中，谋求更高层次的发展，得到认可只是起点，超越自我没有极限。每份资质证书，无不凝聚着捷和精密人奋力拼搏的结晶，每份荣誉都是我们的金名片和通行证，那是一个个路标，更是一次次历练。

Always take the intemational quality system as the criterion, adhere to high quality products and services to the customer. Kiiwoo precision, powered by renowned reputation in the industry, concentrating on product quality, technical innovation and high quality service, 30 patent certificates of professional Research & Development were achieved. In constant innovation and beyond, to seek a higher level of development, the recognition is just beginning, surpass ourselves no limit. Each certificate of qualification, all condenses Kiiwoo precision are the crystallization of hard, each honor are our gold card and passport, that is a sign, but also time and experience.



企业精神：诚信、真实、合作、共赢

人 才 观 ：发现人才、重用人才、培养人才、打造学习型团队

市 场 观 ：优化品牌组合与产品格局、提高产品质量、增强售后服务工作方针：积极主动、勇于负责；认真专业，追求卓越

质量方针：严格控制，不让一件不合格产品流入市场

品牌理念：品质 服务 共享

捷和目标：以领先于人的技术，过硬的品质以及优质的服务，来回馈客户，成为行业中值得信赖并具有影响力的企业，并持续服务于整个行业。

捷和愿景：矢志成为橡胶机械行业的引领者

捷和核心价值观：专业、诚信、创新

专业：是对“品质”保证的提升，因为专业，所以精致，捷和已拥有专业的销售、研发、生产、服务团队为客户提供全方位服务。

诚信：诚是忠诚，信是守信。诚信才能取得别人的信任，人无信不立，信用是人生最大的财富，首忠诚，次讲义。

创新：以技术研发求发展。

Enterprise spirit: integity,authentic,cooperation and win-win

Talent view: find talent,reuse talent,develop talent,build a learning team

Market outlook: optimization of brand porffolio and product structure,improve product quallty,strengthen after-sales service

Working principle: active,responsible;serious professional,pursuit of excellence

Quality policy: stict control,dont let an unqualfied products into the market

Brand concept: quallty service shaiing

Kiiwoo goal: With leading technology,excellent quality and high-quality service,to return customers,become a trustworthy and influential enterprise in the industry,and continue to serve the entire industry.

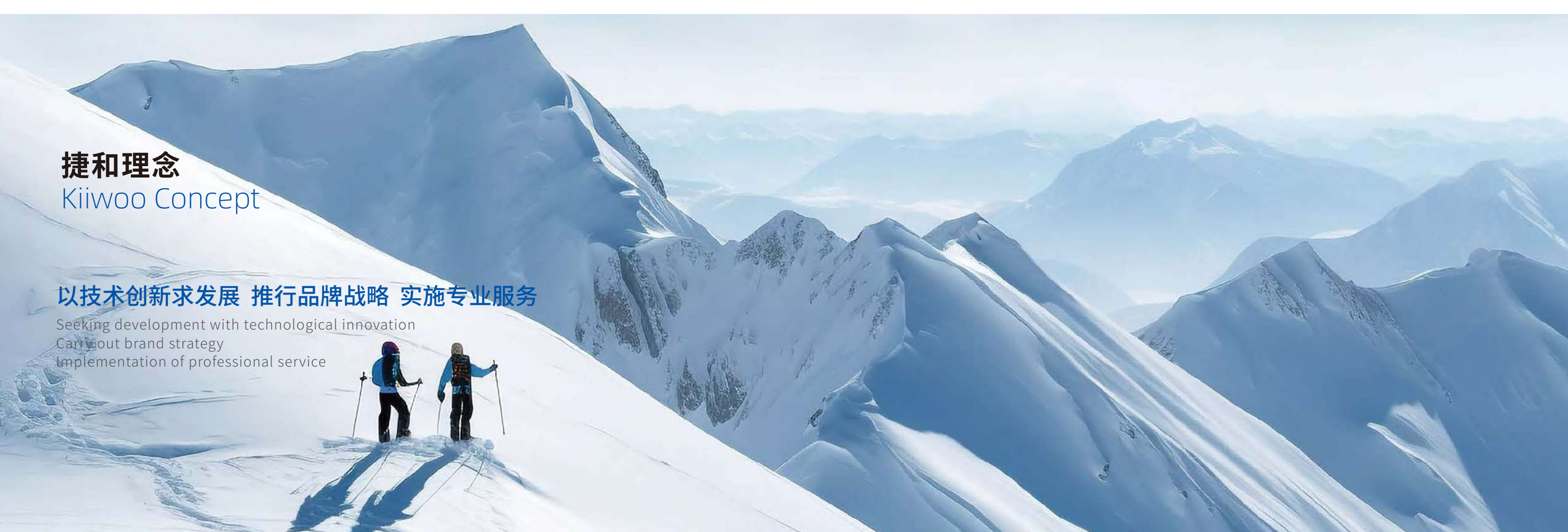
Kiiwoo vision: to become leader of rubber machinery industry

Kiiwoo values: profession,integrity and innovation

Profession: To the promotion of "quality assurance"because professional,so delicate,Kiiwoo has a professional sales,researchand development,production team provides the omni-directional service for the customer.

Integilty: honesty is loyalty,integilty is trustworthy.Good faith to win the trust of others,a man without integity does not stand, integrity is the biggest wealth of life,the first loyalty,then personal loyalty.

Innovation: Technology research and development.



捷和理念
Kiiwoo Concept

以技术创新求发展 推行品牌战略 实施专业服务

Seeking development with technological innovation
Carry out brand strategy
Implementation of professional service

捷和服务
Kiiwoo Service

售前服务

1、投资预算：提供产品盈利分析、橡胶机选型及辅助设备配套与预算，人力资源配置预算服务。
2、厂房规划：提供设备基地安装尺寸、设备摆放布局、车间通风、排气、运水、布线、起重设备、设计服务。
3、提供各种橡胶辅助设备的资讯。

Pre-sale service:

1, The budget of the investment: provide product profitability analysis, rubber type pause and supporting auxiliary equipment and budget, human resource configuration budget service.
2, Plant planning: provide equipment base, equipment installation size display layout,workshop ventilation, exhaust gas, water, wiring, lifting equipment Design services.
3, Provide information of various kinds of rubber auxiliaries.

售后服务

1、交机前，客户可派1-2人到我工厂接受机台操作培训1-5天；
2、新机台到厂，技术人员随即到厂免费安装调试服务，并对操作人员进行教育培训及简单故障教导。
3、整机保修期一年，保修期限内机台正常使用情况下，如机台发生问题则由我公司负责快速免费维修。但因外来因素或甲方使用不当机台发生问题，则需由客户支付材料成本费及车资。
4、保修期限外我们仅收取材料成本费及车资。
5、为客户新旧机台建立档案、并提供所有他厂油压机器维修与技术支援。
6、江苏省内12小时到厂，中国其它地区48小时内到厂服务。
7、全天候服务热线(400-0512-083)及时处理您的质量申诉和信息反馈。

After-sale service:

1, Before machine shipment, the customer may send 1-2 people to my factory to accept the machine operation and training 1-5 days;
2, The new machine arrive your factory, our technical staff will be in your factory to install and debug, free of charge. Besides to educate and train the operator, and teach them to solve some simple fault of the machine.
3, The warranty period is one year. Under the normal use of the machine, if it occur any problrm,our company is responsible for rapid and free repair. But improper use cause problems, customer need to pay the material cost and fares.
4, Outsie the warranty period, we only charge material cost and fares.
5, For customers old and new machine to create the file, and providess all the factories hydraulic machine maintenance and technical support.
6, 12 hours to the factory in Jiangsu Province, the other parts of China to the factory within 48 hours.
7, Around clock service hotline (400-0512-083)the quality and timely processing of complaints and feekback.

全球服务网点 Global service outlets

美国、俄罗斯、印度、马来西亚、印度尼西亚、中东地区、欧洲、韩国、泰国、越南
United States, Russia, India, Malaysia, Indonesia, Middle East, Europe, South Korea, Thailand, Vietnam

中国全境可服务 It can serve all of China

苏州办事处：苏州市相城区阳澄湖镇湘阳路5号
Suzhou Office:
No. 5 Xiangyang Road, Yangcheng Lake Town, Xiangcheng District, Suzhou City

铁岭办事处：辽宁省铁岭经济开发区橡胶产业园
Tieling Office:
Rubber Industrial Park, Tieling Economic Development Zone, Liaoning Province

青岛办事处：青岛市李沧区九水东路496号
Qingdao Office:
No. 496 Jiushui East Road, Licang District, Qingdao City

浙江办事处：浙江省宁海县梅林街道梅林北路86号
Zhejiang Office:
No. 86 Meilin North Road, Meilin Sub-district, Ninghai County, Zhejiang Province

厦门办事处：厦门市湖里区殿前二组2139号
Xiamen Office:
No. 2139, Dianqian Group 2, Huli District, Xiamen City

重庆办事处：重庆市巴南区鹿角迎宾路336号
Chongqing Office:
No. 336 Lujiao Yingbin Road, Banan District, Chongqing

海宁办事处：浙江省海宁市马桥街道丰收路479号
Haining Office:
No. 479 Fengshou Road, Maqiao Subdistrict, Haining City, Zhejiang Province

东莞办事处：东莞市黄江镇田美南区工业园第九幢厂房
Dongguan Office:
Building 9, Industrial Park, Tianmei South District, Huangjiang Town, Dongguan City

日照办事处：日照市岚山区中楼镇马亓河东村
Rizhao Office: Maqihedong Village, Zhonglou Town, Lanshan District, Rizhao City

捷和优势
Kiiwoo Advantages

营业项目 Business Line

油压射出成型机	Hydraulic Injection Molding Machinery
平板油压成型机	Platen Hydraulic Molding Machinery
真空油压成型机	Vacuum Hydraulic Molding Machinery
骨架油封成型机	Skeleton Oil seal Machine
橡胶切条机	Rubber Material Cutting Machinery
硅胶切条机	Silicone Material Cutting Machinery
钻石刀具及美耐皿热压成型机	Diamond Cutters and Melamine Heat-press Molding Machinery
各种油压自动化机械设备设计制造	Design and manufacturer of various automatic equipment

适用制造商 Suitable Manufacturer

电子及导电按键、汽车用橡胶、油封类橡胶、一般工业橡胶、民用橡胶、瓶塞类橡胶、医疗橡胶、商标橡胶、钻石刀具、国防工业、玩具类等。

Electronic industry,electic buttons,Automobile silicone Rubber Parts,rubber for common industries and householdpurposes,bottle blocke,medical rubber,trademark rubber,diamond blades tool,miltary &defense industry toy industry.

降低消耗，节约能源 Reduce cost and save resources

1、采用先进技术，将传统单马达改为双马达双油泵，节约能源50%,提高生产效率。

2、本公司所生产100TON及以上机台均采用双马达双油泵系统，节省电力及油路省耗。

3、可做办公司中央连线系统(一台普通电脑可将工厂所有油压机同时监控)。

4、国内首家将伺服电机系统用于硅橡胶成型机上，替代传统液压或气动系统，能显著降低能耗，同时提升精度和生产效率。

5、引入MES系统通过实时监控、数据分析和流程优化，显著提升硫化工艺的效率、质量与能源利用率。

1,Using advanced technology, the traditional single motor is replaced by double motor and double oll pump, which saves 50% energy and improves production efficiency.

2,All the machines above 100 tons and above adopt double-motor and double-pumb design, which saves power and reduces oil consumption,

3,It can be setted as a office-control central system (which means a common computer can monitor all the injection machines within the factories.

4,The first servo motor system in China to be used in silicone rubber molding machines, replacing traditional hydraulic or pneumatic systems, which can significantly reduce energy consumption and improve accuracy and production efficiency.

5,The introduction of MES system significantly improves the efficiency, quality and energy utilization of the vulcanization process through real-time monitoring, data analysis and process optimization.

研发与技术创新
Research And Technological Innovation

一.机身结构决定机台的精度，寿命及稳定性

- 采油枪深孔加工，加厚热板并经渗碳热处理，运用热流原理，得出高精度，且温度分析平均之较佳化设计。
- 利用电脑CNC加工以确保设计之精度。
- 日本技术屏幕均压校正，最高可达0.02mm精度。
- 热板/进出模板采用渗碳热处理，并经过研磨氮化完成；耐磨时间长，不易变形且平面精度高

The fuselage stucture decides the machine's accuracy,life and stabllty

- By deep hole processing of oll gun, thickening hot plate and carburizing heat treatment, high precision and average temperature analysis are obtained by applying heat flow principle Design.
- Computer CNC processing is used to ensure the accuracy of the design.
- Japan technology screen balance pressure corecting, the highest precision can be up to 0.02 mm.
- Hot plate in and out of the template uses the carburizing heat treatment, and after grinding nitride is complete; Wear a long time, not easy deformation and plane precision is high.

二.卓效稳定的油压设计

- 真空与平板机系列采用双马达、双油泵、双冷却器、双油路系统，两轴完全独立工作。
- 采集体式油路设计，油路在运作间无冲击且噪音低、而使效力提高，能源消耗低。
- 特殊设计的高速回路，使慢速锁模切换平稳且可作任何速度的调整，以适应不同种类的模具。
- 独立的排气回路设计，使排气达到更好的效果。
- 全厂日制油封，及特殊防油设计、不漏油，耐久性佳。
- 分流式快速真空系统，抽真空更快速，成品良率更高。
- 油路系统特殊设计，无振动，稳定性好，出入模上升，下降比同行机器速度更快。

High stability of hydraulic design

- Vacuum and platen series adopts double motors, double oil pump, double oll cooler system, two axis completely independent work.
- Acquisition postures oil circult design, no impact on the oil in operation and low noise, and improved the effectiveness,low energy consumption.
- Special design of high speed circult, make slow clamping switch smoothly and can make any speed adjustment, to adapt to the different types of mold.
- Hndependent exhaust design, so that exhaust to achieve better resuits.
- Using oil seal and special design,not leak oll,excellent durability.
- Shunt type quick vacuum system, vacuum faster, higher product yield.
- Oil system of special design, no vibration, good stability, and mold open and close faster than other machine.

三.温度均匀

● 电热、自动电流断路侦测系统使电热温度系统断路自动警示。

● 温度自动记录曲线，温度控制为连续显示，产品品质更为提升。

● 采用日本国际知名品牌数显温控，可控硅模块脉动输出，PID 调节精确温度运算，从而使温度控制在 ±2℃，程序具备一周预热功能。

Uniform temperature

● Electric circult, automatic curent detection system to electric heating temperature circuit automatic warning system.

● Temperature automatic recording curve, the temperature control for the continuous, according to product quality more ascension.

● Using Japan international well-known brand digital dispiay temperature control, silicone controlled module pulse output,PID temperature computation procision, thus make the temperature control in the plus or minus 2 C, the program has a week preheating tunction.

四.电控介绍

● 采用原装日本可编程控制器 (PLC) 为核心的控制系统，线路简介明确，运行稳定可靠，故障率低。

● 全计算机自动监测功能，人性化编程理念设计，书面采用轻触对话式输入，所见即可得的操作效果，使用书面帮助操作功能，从而使操作与维护只在举手之间完成。

● 专业设计 PLC 输出接点保护电路板，使其内部继电器接点工作在 DC5V 5mA 以内；电磁阀采用无触点开关 DC24V 安全电压控制，确保控制系统稳定长久。

● 电器元器件采用国际标准化配置，免除客户后顾之忧。

Electric control introduction

● Using the original Japanese programmable controller (PL.C) as the core control system, line is concise and clear, stable and reliable operation, low failure rate.

● Full computer automatic monitoring function, humanized design. programming ideas written by touch your conversational inputs, what you see is what you can get operation effect, use writing to help operating functions, between just ralse your hand so that the operation and maintenance is complete.

● Professional design PL.C output contact protection circuit board, the internal relay contacts within the DC5V5 mA: solenoid valve used non-contact switch DC24V safe voltage control, to ensure that the control system is stable for a long time.

● Electrical components adopt international standardized configuration, eliminating customers'woies.

捷和—机台特性
Kiiwoo Machine Features

1、零件全面性国际化、标准化。

2、机台耐久性的力学设计。

3、离子氮化处理的高耐磨平面。

4、温度分布达±2℃的高标准。

5、排气精准度达更好的需求。

6、运作稳定静音的油路设计。

7、完善的图解式操作说明书及保养维修手册。

8、油缸基座采用3D电脑力学分析，辅助结构设计。一体铸造成型，强化平面精度与结构，永保机台寿命。

9、脚架采用方形钢梁结构设计，确保机台受力稳定。

10、压力控制超越传统的压力表控制，使用压力传感器控制压力更精准。

11、功能强大操作方便的电控系统与高效稳定的液压系统之完美结合。

1、Components have been intermationalized and standardized.

2、Mechanics design for longer durability.

3、Nitrogen treated surfaces for abrasion resistance.

4、Temperature uniformity of±2C

5、Exhaust accuracy meets better requirements.

6、Hydraulic systems are slient, dependable and leak free.

7、An illustrated operation guide and a maintenance manual are provided.

8、Min hydraulic cylinder has been designed by using 3D computational mechanics, and structural analysis.It is cast from one piece of metal so that the structure and the surface precision are strengthened to make the machine more durable.

9、The machine base are made of square type steel to assure that the forces acting on the machine can be sustained steadily.

10、Gauge pressure control beyond the traditional contral, the use of more precise pressure control pressure sensor.

11、Powerful,easy to operate the electronic control system and highly efficient and stable combination of the hydraulic system.

捷和—机台重点材质说明

Kiiwoo-Descriptions for key materials of machine

名称 Name	材质 Material	特点 Special features
机体 Main machine body	FCD50 球墨铸铁 FCD Spheroidal graphite special alloy metals	经过时效纯化具高抗拉强度及韧性 Hing tensile strength and toughness after rime effect.
主缸轴心 Ram	CR 白铸铁 CR white special alloy metals	经过研磨完成，精密度在正负0.02mm以内 Tolerance is within +0.02 mm after grinding.
辅助油压缸/出入模油压缸 Auxiliary hydraulic/Hydraulic cylin for loading/ Unloading Molds	STKM-13	采用NOK油封，耐磨耐高温寿命长 Adopt imperial HALLIET oil seals, which are durable and resistant for abrasion and temperature.
油封 Oil Seal	NOK	耐用性特长 Durable
立柱 Vertical Post	40cr	中碳钢40cr硬铬处理，采用无油轴承，内层包覆TEFLON薄膜 Medium carbon steel is hard chromium freafer Oil-less bearings are used, TEELON is coated.
立柱螺帽 Nut of vertical Post	FCD-50	一体成型，采用梯形牙及特殊之防松设计，永保机台之精度 A integrated, USES the trapezoidal footh and special design of locking, and precision of the machine.
马达 Motor	台湾大同电机/汇川 Taiwan Tatung Electric / Inovance	采用橡胶挠性联轴器直接传动 Directly transmitted by flexible rubber coupling
进出模轨 Rails for in/out Molds	滑轨道座 Slide track SK-5T	耐磨钢材，并加装轴承设计，使进出模稳定滑行 Abrasion resistant steel. Bearings are setup to make the in/out molds run smoothly.
热压台面 Working Bench	50#	含进退模板采用氮化处理，并经过研磨完成 In/out molds in Nitrogen treated and grinded
电热管 Cartridge Heaters	镍铬合金线 Nickel-chromium Alloy	附有保护装置，耐用性特长。(采用多段式设计) Protection devices are attached to make if durable (A design of multiple sections is adopted)
油压系统 Hydraulic system	油管:高压软管Tube for hydraulic fluid:High Pressure Hose USA400PSI 泵浦:YUKEN pump: YUKEN 电磁阀:东峰Solenoik: DongFeng 油桶:磁性滤清Oil tank: magnefic filter parts are inter/changeable with high quality components that also meet intemational standards.	集体式油路系统设计，克设定主轴缸升降速度。进出模精度定位。 The hydraulic system is designed centrally. The rising speed of main cylinder can be set Precisely positioning for in/out molds

多元化，高自由度搭配监视参数

Diversification, high degree of freedom, matching monitoring parameters

15寸大屏高清监视设备参数

15-inch large screen high definition monitoring device parameters

可视化监控设备动作与执行时间

Visual monitoring of equipment actions and execution time

生产信息，随时查看

Production information, view at any time

可随时动态监控

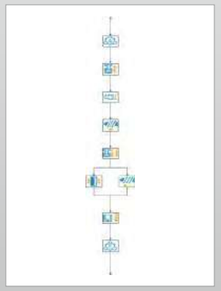
Can be dynamically monitored at any time

IO功能可配置

IO function can be configured

可自由编程动作区间

Freely programmable action range



全程随时动态监控

Real-time dynamic monitoring throughout the whole process.

Network functionality	- More control panel options - Remote access and remote maintenance
Easy to operate	- Dynamic screen configuration - Drag-and-drop operation - No visualization setup required

1、日本三菱微电脑处理中心集合工业及STNLCD人机界面(触摸屏)

2、简体中文教导模式操作页面，利用字幕、圆形变化指示，使初学者易用

3、全功能电脑异常检测，使维修在举手间完成

4、专业设计PLC输出接点保护，使PLC接点控制寿命更久

5、采用日本松下、富士PID运算温度控制器，使温度误差更小，并有PLC控制24小时四段加热

1. Japan-made MITSUBISHI micro-computer IC and STNLCD display (touch-control screen)
2. Simplified Chinese with easy instruction, convenient for beginners to leam the operation methods
3. Full-function computer-control abnormality detection, easy maintenance and repair process
4. Professional PLC output joint design, making service life of DC 5V device at the PLC longer.
5. Adopting Panasonic Fuji PID calculation temperature controller, which minimizes the temperature tolerance. PL.C control device and for 24-hour 4-phase heating

动作设定
Action settings

机台选择
Machine selection

压力速度设定
Pressure speed setting

生产管制
Production control

系统设定选择
System settings selection

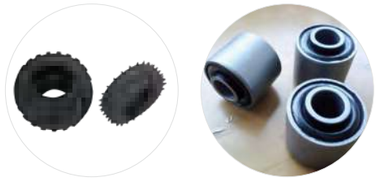
时间设定
Time setting

系统选择
System selection

油压系统运转时间监视
Hydraulic system operating time monitoring

真空系统运转时间监视
Vacuum system operating time monitoring

机台应用 Application



机台特点 Features

1、采用先进先出注射装置，防止死料残留，便于清洁、换色

2、适用各种橡胶原料，矽胶及氟胶亦可使用，胶料注射时温度相对较高，可缩短硫化时间

3、先塑化的胶料先被注射，一次注射的胶料在注射料筒中停留的时间相同，避免先进入的胶料因在注射料筒中停留时间过长而出现过早硫化现象

4、注射柱可移至注射料筒之外，大大简化胶料更换的操作

5、计量时背压一致，注射精度高

1. The first-in-first-out injection device is used to prevent dead material residue, which is convenient for cleaning and color change

2. It is suitable for all kinds of rubber raw materials, silicone and fluorine glue can also be used, and the temperature of the rubber is relatively high when injected, which can shorten the vulcanization time

3. The plasticized rubber material is injected first, and the rubber material that is injected for the same time stays in the injection barrel to avoid premature vulcanization of the rubber material that enters first due to the long stay time in the injection barrel

4. The injection column can be moved outside the injection barrel, which greatly simplifies the operation of glue replacement

5. The back pressure is consistent during measurement, and the injection accuracy is high

技术参数 Technical Parameters

机型TYPE		200TON	300TON	400TON	500TON
注射部分 Injection Unit	注射柱塞直径 Injection Cylinder Dia.(mm)	80	90	110	110
	注射压力 Injection Pressure (Kgf/cm^2)	1800	1800	1900	1900
	理论注射容积 Theoretical Injection Volume (cm^3)	2000	3000	4000	5000
	螺杆直径 Screw Dia.(mm)	40	45	50	50
	螺杆转速 Screw Speed (rpm)	0-90	0-120	0-120	0-90
锁模部分 Clamping Unit	锁模力 Clamping Force (kN)	2000	3000	4000	5000
	开模行程 Mould Opening Stroke (mm)	500	550	550	600
	最小模厚 Minimum Mold Hoight (mm)	90	100	120	150
	热板间距 Min. Mould Thickness Range(mm)	500	650	550	600
	立柱净间距 Distance Btwn Tie Bar (mm)	696*310	855*310	1040*465	1106*500
	热板尺寸 Heater Platen Dimension (mm)	554*560	700*700	850*850	1000*1000
动力部分 Power Unit	马力 Horsepower (hp)	15	20	20	20
	电热功率 Heater Plate Power (kW)	19.8	24	24	36
	模温机功率 Temperature Controller Power(kW)	5.5	5.5	5.5	5.5
	活塞直径 Piston Diameter (mm)	355	450	510	560
	系统压力 System Pressure (MPa)	20	20	20	20
其它 Other	机器重量 Machine Weight (Ton)	9	12.5	20	23
	机台尺寸 Dimension: L*W*H(mm)	1750*2680*3950	2000*2850*4513	3550*2100*4980	5100*3130*4200

根据客户需求真空泵和模温机(选配) Vacuum pump and mold temperature machine according to customer needs (optional)

机台应用 Application

配备机械抓手，全自动抓取产品 ▸
Equipped with a mechanical gripper, fully automatic grabbing of products

机台特点 Features

1、全新的控制系统，电脑物联网一体机控制系统，所有数据电脑采集，手机或者智能终端均随时查看机器以及生产动态。

2、可选择硅胶送料器，使用高压油缸进行推料，送料器内部均有镀硬铬，具有耐磨和防粘黏功能。推送料头部均使用高分子聚四氟乙烯可防磨损和反向渗胶。

3、各部位采用进口高精度电子尺，可准确的控制各部位的活塞行程和计量出注射量精度。

4、设备的运动组件均使用高力黄铜 + 石墨。或由 38CRMOALA 等高级氮化钢材料制成。具有高强度和高耐磨性以及长使用周期。

5、零部件均使用电脑有限元力学结构分析设计，受力面积更加均匀，平整度从而更加稳定平整。

6、设备操作端均有长距离保护安全电眼，防呆设计保护人工安全。

7、全新优化的液压系统以及使用日本油研泵和阀组，更快的速度可以减少机器运动周期时间，极大地提高了生产效率。

1. New control system, computer Internet of Things all-in-one machine control system, all data computer collection, mobile phone or intelligent terminal can check the machine and production dynamics at any time.

2. Silicone feeder can be selected, using high-pressure cylinder for pushing, and the inside of the feeder is plated with hard chrome, which has the function of wear resistance and anti-sticking. The head of the push material is made of polymer polytetrafluoroethylene to prevent wear and reverse bleeding.

3. Each part adopts imported high-precision electronic ruler, which can accurately control the piston stroke of each part and the accuracy of the injection volume.

4. The moving components of the equipment are made of high-strength brass graphite. Or made of high-grade nitride steel materials such as 38CRMOALA. It has high strength and abrasion resistance and a long service life.

5. The parts are designed using computer finite element mechanical structure analysis, which makes the stress area more uniform and the flatness more stable and flat.

6. The equipment operation end has a long-distance protection safety electric eye, and the anti-fool design protects manual safety.

7. The new optimized hydraulic system and the use of Japanese oil research pumps and valve manifolds, the faster speed can reduce the machine movement cycle time, greatly improve the production efficiency.

机台应用 Application

机台特点 Features

1、力学设计：机座采用特殊力学设计，平面精度佳，制成品外观美，品质优。
2、入料系统：特殊二段式入料设计，能使原料得到最佳排气效果，有不死料之功能。
3、射出量控制：采用高精密度德制电子尺设计，能准确的控制与计算射出量之大小。
4、转射板设计：具特殊的座进、座退功能，可使射嘴不死料。清料容易，品质稳定。
5、安全设计：备有日制高科技红外线安全电眼，并具有全自动警告系统及多重安全防护装置，可清楚掌握机台状况，确保安全。
6、油路设计：采用全比例式油路系统，低噪音并具有自动调整压力大小比例之功能，准确稳定。

1. Mechanics design: The base adopts special mechanics design and the precision of the horizon is more accurate. The appearance of the machine is more beautiful as well as the high quality.
2. Material supply system: A special design of two-stage material supply is employed. It expels bubble out in the most effective way, and no dead material left in the injection system.
3. Injection volume control: A high precision optical ruler made in Germany is employed. The injection volume can be calculated and controlled precisely.
4. Turn shoot board design: It can avoid the shoot mouth from generating dead material. And it is easy to clear up the material to keep the quality of the product.
5. Security deslgn: A light curtain made in Japan is available. And an automatic warning system is also available. It monitors the status of machine in order to provide extra protection to assure the operation safety for operators.
6. Circuit board design: A ful-scale oil system is adopted, The noise is low and the pressure is adjusted automatically and proportionally. It is very precise and stable.

技术参数 Technical Parameters

机型TYPE		200TON	300TON	400TON
出力 (Ton)	Clamping Force	200	300	400
行程 (mm)	Stroke	480	550	550
台面 (mm)	Heating Plate Size	494*508	575*600	700*700
缸径 (mm)	Diamater of Cylinder	355	450	500
射出量 (CC)	Injection Volume	2000	3000	4000
马力 (hp)	Horsepower	15	20	20
开模形式	Type of Mold Opening	上升下降-出入模-2RT-3RT-4RT Up/down-In/2RT-3RT-4RT		
单轴电热 (kW)	Single Shaft Thermal Electricity	16.2	16.2	24
总电力 (kW)	Total Power	31.8	35.8	43.6
重量 (kg)	Weight	8300	10500	12500
机台尺寸 L*W*H(mm)	Dimension	3381*2290*2392	3360*2590*2590	3980*2600*2800

◀ **配备机械抓手，全自动抓取产品**

Equipped with a mechanical gripper, fully automatic grabbing of products

机台应用 Application

适用范围：200T—1000T Scope of application:200T-1000T

机台特点 Features

1、采用欧美先进设计理念的先进先出注射结构，注射力稳定，可靠。

2、优化的射料杆大大减少了漏胶量，维修、换胶方便快捷。

3、超大容量送料结构，自动可旋转式送料筒，省时省料，适合不同颜色及不同性能的胶料快速更换生产。

4、全封闭安全挡板与光栅，更高的设备操作安全等级。

5、热板加热分区控制，温度更均匀。

6、更大的台面设计，更多的自动化功能可供选配，便于换色。

1. Adopt FIFO(First in,First out) injection structure of European and American advanced design concept, and the injection force is stable and reliable.

2. Optimized shot feeding rod greatly reduces the rubber leakage and is convenient and fast for maintenance and rubber replacement.

3. Large capacity of feeding strure and the automatic rotary feeding tube with a saves time and materials and is suitable for fast replacement and production of different color and property of rubber materials.

4. Totally-enclosed safety shield and grating, higher equipment operation safety grade.

5. Hot plate heating zone control makes temperature more even.

6. Bigger platen design, More automatic functions may be selected, Easy to change color.

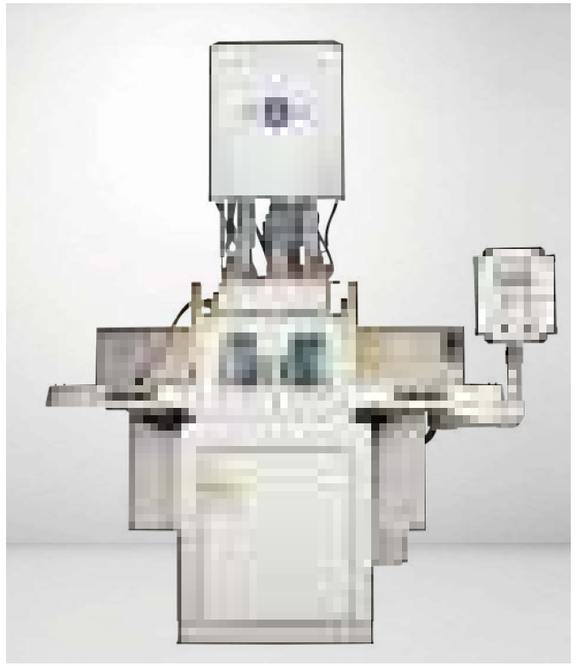
技术参数 Technical Parameters

机型TYPE		200TON	300TON	400TON
出力 (Ton)	Clamping Force	200	300	400
行程 (mm)	Stroke	500	550	550
台面 (mm)	Heating Plate Size	554*560	700*700	850*850
缸径 (mm)	Diamater of Cylinder	355	450	500
射出量 (CC)	Injection Volume	2000	3000	4000
马力 (hp)	Horsepower	15	20	20
开模形式	Type of Mold Opening	上升下降-出入模-2RT-3RT-4RT Up/down-In/2RT-3RT-4RT		
单轴电热 (kW)	Single Shaft Thermal Electricity	19.8	24	24
总电力 (kW)	Total Power	36.3	44.5	44.5
重量 (kg)	Weight	8000	9000	14000
机台尺寸 L*W*H(mm)	Dimension	3300*2390*2710	3715*2695*3020	4190*3160*3140

标配2RT，可选3RT.4RT开模结构

2RT is official, and the mold device of 3RT and 4RT is optional

机台应用 Application



机台特点 Features

1、直压式注射炮筒更加适合液态硅胶注射成型的生产工艺，多段式精密模具电热温控；

2、静态混合管将 A、B 两组成分液态硅胶充分混合均匀，为产品生产提供更好的质量保障；LSR 专用油压水冷式封闭射咀；

3、选用国际知名品牌油研的油泵、比例阀、电磁阀、LSR 专用料管组等液态配件，实现良好的液压功能的控制；

4、全系列采用高响应永磁同步伺服马达、断热水冷板，液压建立反应时间迅速。动力机构输出的流量與执行机构的流量相匹配，无高压节流损失。

5、全新 TYM 系列控制电脑、参数化设置、断热水冷板，多组电子尺监控各个执行动作，实现机械运转的可靠性、稳定性、精确性；

6、色浆混配实现数控化，精度高达 0.1%，特殊加料射出设计，加料计量更精确；

7、选配可调式抽真空装置，防止产品气泡

8、适用产品：医疗用品，电子产品，日用品，婴幼用品。

1. direct pressure injection barrel is more suitable for the production technology of liquid silica injection molding,and the multi stage precision mold electrothermal temperature control:

2. the static mixdng tube shall fully mix the liquid silica gel of the a and b components to provide better quality assurance for the product production; Lsr special oil pressure water - cooled closed nozzle;

3. select the liquid fittings such as oll pump, proportional valve, solenoid valve, LSR special material pipe group of the international famous brand YUKEN to realize the control of good hydraulic function;

4. the whole series adopts high response permanent magnet synchronous servo motor, hot water cold plate, and the hydraulic setting reaction time is rapid. The flow rate of the output of the power organization is matched with the flow rate of the executing agency, and no high pressure throtling loss is incuned.

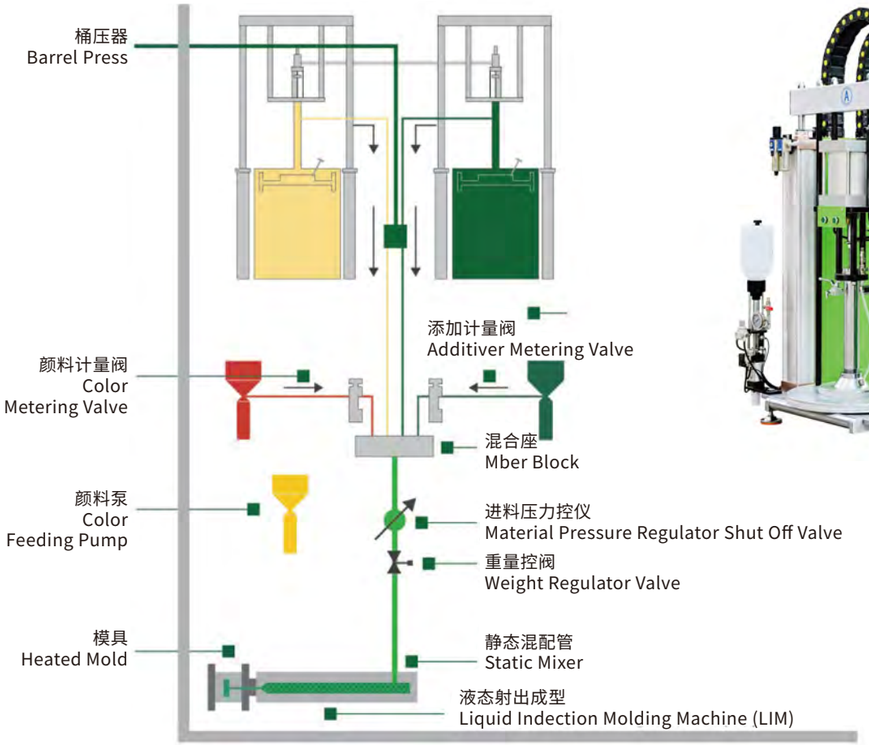
5. the new relation series control computer, parameter setting, hot water cold plate, multi - group electronic caliper monitor each execution action, realize the rellability, stability and accuracy of the mechanical operation;

6. the color paste blending realizes numerical control,and the precision is up to 0.1%.special feeding injection design,the feeding metering is more accurate;

7. select the adjustable vacuum pumping device to prevent the product bubble

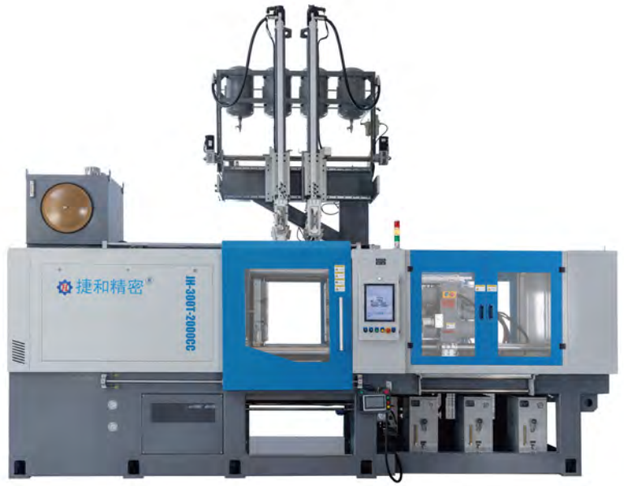
8. Applicable products: medical supplies, electronic products, daily necessities, baby products.

计量混配系统配置 System scheme of an LIM metering unit



技术参数 Technical Parameters

规格SPECIFICATION				85TON			120TON			160TON		
注射单元 INJECTION UNIT	螺杆直径 Screw Diameter		mm	28	32	40	40	45	50	45	50	55
	理论射胶量 Theoretical Injection Volume		g	100	131	204	204	258	319	258	319	386
	最大注射压力 Max. Injection Pressure		kgf/cm²	3200	2460	1575	1492	1179	955	1179	955	789
	射嘴突出模板尺寸 Nozzle Out From Platens		mm	50			50			50		
合模单元 CLAMPING UNIT	锁模力 Clamping Force		kN(tf)	833(85)			1176(120)			1470(1500)		
	合模行程 Clamping Stroke		mm	250			300			300		
	最小模厚 Min. Mold Thickness		mm	250			250-450			250-450		
	最大开距 Max. Opening		mm	500(550)			550-750			550-750		
	最大模具尺寸 (L*W) Max. Mold Size		mm	450*500			500*550			600*650		
	模板（滑板）尺寸 (L*W) Platen / Slide Size		mm	1135*495			1350*560			1470*660		
	成品顶出距离 Ejection Distance		mm	100			100			100		
其他 OTHERS	系统压力 System Pressure		Mpa(kgf/cm²)	13.7(140)			13.7(140)			13.7(140)		
	电机功率 Moto Power		kW	17+2.2			17+2.2			22+2.2		
	机器尺寸 Machine Dimensions	L*W	mm	2405*1930			2600*2510			2750*2650		
		H		2725(3380)			2980(3685)			3080(3785)		
	机器重量 Machine Weight		T	5.5			6.9			8.2		



机台应用 Application

机台特点 Features

1、采用先进的，先进先出射出系统 (F.I.F.O) 防止死料残留，便于清洁，换色；
2、冷流道设计，减少生产中的原料浪费，有效提高生产效率；
3、采用高精密度美制电子尺设计，能准确的控制与计算射出量精度；
4、自动化效率高，附刷子系统，可以自动将产品刷出，节约人工；
5、安全性高，捷和全系统机器通过 CE 认证。

1. adopt advanced, advanced first out injection system (F.I.F.O) to prevent residue of dead material, easy to clean and color changing;
2. cold flow channel design, reduce waste of raw materials in production, effectively improve production efficiency;
3. adopt the high precision American electronic electronic caliper design, can accurately control and calculate the injection quantity precision;
4. high automation efficiency, with brush system, can automatically brush out products, saving labor;
5. high security, agile and all - system machines are certified by ce.

技术参数 Technical Parameters

机型TYPE		200TON	300TON
锁模压力 (Ton)	Clamping Force	200 Ton	300Ton
系统压力 (MPa)	System Pressure	25MPa	25MPa
活塞直径 (mm)	Piston Diameter	ϕ320	ϕ450
主缸行程 (mm)	Ram Stroke	550 mm	650mm
辅助缸规格	Specificationofauxiliarycylinder	FB55X580stX2	ϕ55*660*2
电热功率 (kW)	Heater Plate Power	16.8 kW	16kW
热板尺寸 (mm)	Hot Plate Size	550X550mm	650*650
注射压力 (kg/cm²)	Injection Pressure	2200 kg/cm²	2200 kg/cm²
热板间距 (mm)	Hot Piate Spacing	725mm	730mm
注射容积 (cm³)	Injection Volume	500CC	2000CC
油箱容积 (L)	Oil Tank	350 L	400 L
螺杆直径 (mm)	Screw Diemeter	ϕ32mm	ϕ40mm
注射直径 (mm)	Injection Diameter	ϕ65mm	ϕ80mm
马力 (hp)	Horsepower	24hp	40hp
机台尺寸 L*W*H(mm)	Dimension	L5090*W1670*H3570	5450*1987.5*4600
吊模缸 (mm)	Hanging Mold Cylinder	FA63/280ST(5300kg)	FA63/280ST(5300kg)
总功率 (kW)	Total Power	46kW	63.5kW
送料桶容积 (mm³)	Feeding Device	-	-

机台应用 Application

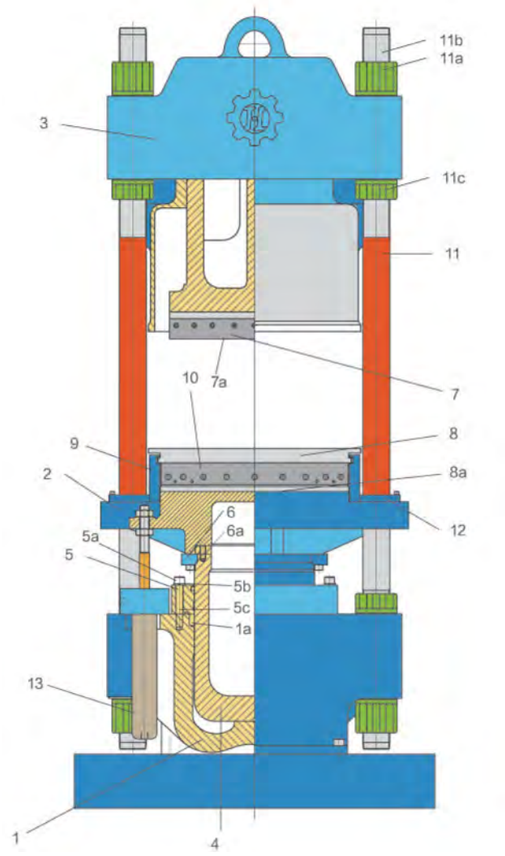
机台特点 Features

1、全新抽真空注射方式。
2、增强橡胶产品密度，减少不良率、节省原材料。
3、减少热能损耗，缩短硫化时间，节约能源。

1. A new way of vacuum injection.
2. Enhance the density of rubber products, reduce the bad rate, save raw materials.
3. Reduce heat energy loss, shorten curing time and save energy.

技术参数 Technical Parameters

机型TYPE		350TON
注射压力	Injection Pressure	1800 kgf/cm²
理论注射容积	Theoretical Injection Volume	3000 cm³
螺杆直径	Screw Diameter	45 mm
螺杆转速	Screw Speed	0-120 rpm
锁模力	Mode Locking Force	3500 kN
开模行程	Die Opening Stroke	550 mm
最小模厚	Minimum Die Thickness	200 mm
热板间距	Hot Plate Spacing	700 mm
热板尺寸	Hot Plate Size	上:650*650 mm 下:700*750 mm
马力	Horsepower	20 hp
系统压力	System Pressure	200 kgf/cm²
真空罩行程	Vacuum Cover Travel	400 mm
活塞直径	Piston Diameter	475 mm

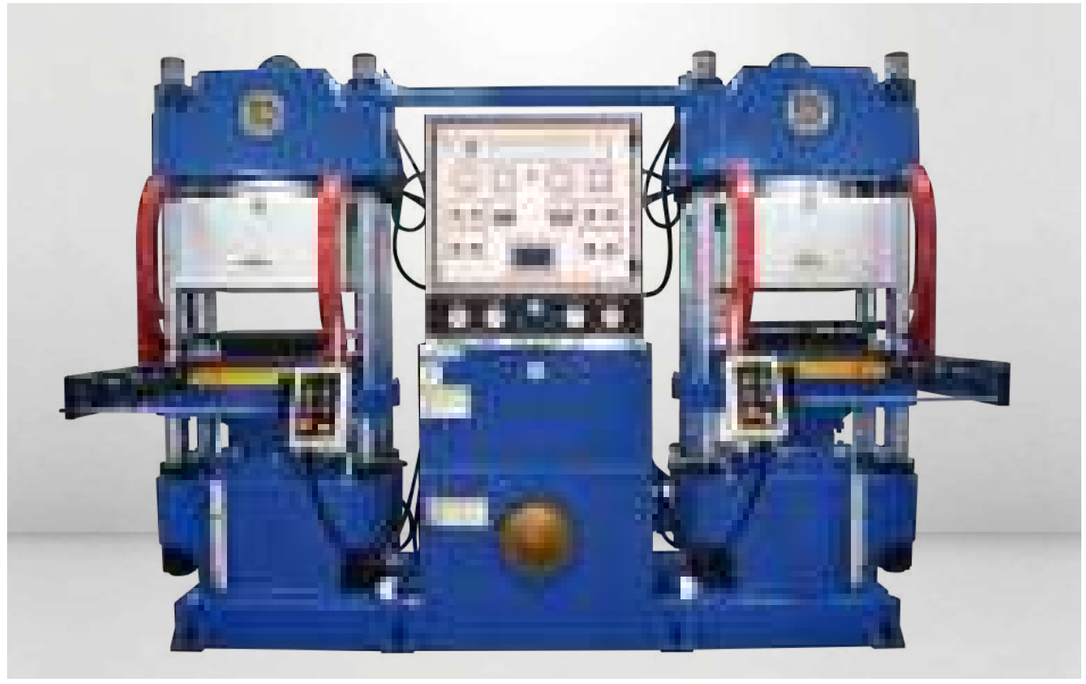


编号 NO.	名称 Appellation
1	主缸Main Ram
1a	主缸油封Main Cylinder Oil Seal
2	中座Moving Bolster
3	上座Top Bolster
4	活塞Plunger
5	法兰Flange
5a	法兰固定螺丝Flange Fixed Screw
5b	法兰防尘封Ram Wiper Seal
5c	法兰防油O型圈Flange Oil Proof O-ring
6	联结板Linking Board
6a	联结板固定螺丝Linking Board Fixed Screw
7	上电热板Top Heating Plate
7a	上隔热板Upper Insulation Plate
8	下电热板Bottom Heating Plate
8a	下隔热板Low Electric Heating Plate
9	滑轨道 Slide Rail
10	出入模板In-out Plate
11	立柱Chrome Heated Vertical Post
11a	立柱螺帽(大)Vertical Post Nut(Large)
11b	立柱螺帽防松螺丝Vertical Post Lost Nut
11c	立柱螺帽(小)Vertical Post Nut(Small)
12	无油轴承座Oil Free Bearing Seat
13	子缸(辅助油尘缸) Auxiliary Hydraulic Cylinder

技术参数 Technical Parameters

机型TYPE	100TON	200TON (Small countertop)	200TON	250TON	300TON	350TON	400TON	500TON	600TON	800TON
出力 (Ton) Clamping Force	100	200	200	250	300	350	400	500	600	800
行程 (mm) Stroke	250	240	250	270	320	320	300	300	300	300
台面 (mm) Heating Plate Size	UP:380*380 Down:400*400	UP:480*480 Down:500*500	UP:500*500 Down:554*560	UP:600*600 Down:650*600	UP:600*600 Down:650*650	UP:700*700 Down:750*700	UP:800*800 Down:850*850	UP:1000*1000 Down:1200*1000	UP:1100*1100 Down:1300*1100	UP:1400*1400 Down:1500*1500
缸径 (mm) Diamater of Cylinder	250	355	355	400	450	475	500	560	600	700
马力 (hp) Horsepower	7.5*2	7.5*2	10*2	10*2	15*2	15*2	20*2	20*2	28*2	43*2
开模形式 Type of Mold Opening	上升下降-出入模-轨道开模/2RT/3RT/4RT Up-Down In-Outrail 2RT/3RT/4RT									
双轴电热 (kW) Double Shaft Thermal Electricity	19.2	19.2	27	36	36	48	48	72	72	96
真空泵(kW) Vacuum Pump	4	4	4	4	4	4	4	7.5	7.5	7.5
总电力 (kW) Total Power	34.2	34.2	46	55	62	75	89	116	127	167(双轴)
重量 (kg) Weight	6500	8000	9000	13000	14000	17000	22000	35000	39000	42000
机台尺寸 (mm) Dimension:L*W*H	3560*2070*2274	3160*2285*2300	3770*2410*2410	4060*2760*2535	4090*2750*2565	4355*3050*2900	4705*3575*2875	5050*4200*3100	5200*4700*3600	6720*5500*4500

机台应用 Application



机台特点 Features

1. 特殊式新型轨道开模，掀模角度可达 90 度，方便人员操作。换模具时 , 不需将轨道开模座卸下，即可轻松完成。
2. 采用双动力、双油泵、双马达、双冷却器，两轴完全独立工作。
3. 油路系统特殊设计，无振动，稳定性好，出入模、上升下降比同行机器要快。
4. 真空度高，采用平均抽法，可使产品稳定，提高品质及产能。
5. 真空储气罐基座式，储气空间大。
6. 新型掀模机械设计，耐用寿命长，出入模静音、快速、平稳。
7. 适合按键类、O 型环、迫紧等精密硅橡胶产品应用。

1. The new special rail is applied for mold opening, with the angle of lift mold as large as 90 degrees, convenient for workers to operate no need to disassemble the mold foundation when change mold.
2. Double powers, double oil pumps, double motors and double oil coolers are applied for the two axles to work independently.
3. The oil system is unique in design with good stability, faster lift-up and lift-down speed compared with other brands when unloading/loading mold.
4. High vacuum and the average pumping method are applied for the manufacturing of stable products and improving the quality and productivity.
5. The pedestal vacuum oxygen tank provides large oxygen storage space.
6. The new mold raising mechanism design has the advantages of long working life, quiet mold-unloading/loading, fastness and stability.
7. It is suitable for manufacturers who produce buttons,O-rings, packings and other rubber products.

机台应用 Application

适用范围：100T—1000T Scope of application:100T-1000T

机台特点 Features

1. 采用双动力、双油泵、双马达、双冷却器。两轴完全独立工作。
2. 油路系统特殊设计，无振动，稳定性好，出入模、上升下降比同行机器要快。
3. 真空度高，采用平均抽法，可使产品稳定，提高品质及产能。
4. 真空储气罐基座式，储气空间大。
5. 新型掀模机械设计，耐用寿命长，出入模静音、快速、平稳。
6. 适合减震器、医疗瓶塞、汽车零部件、垫片、导电按键、电子用品等精密硅橡胶产品应用。

1. Double powers, double oll pumps, double motors and double oil coolers are applled for the two axles to work independently.
2. The oil system is unique in design with good stability. faster lift-up and lift-down speed compared with other brands when Unloading /loading mold.
3.High vacuum and the average pumping method are applied for the manufacturing of stable products and improving the quallty and productivity.
4.The pedestal vacuum oxygen tank provides large oxygen storage space.
5. The new mold raising mechanism design has the advantages of long working life, guiet mold-unloading/loading, fastness and stability.
6. It is suitable for manufacturers who produce rubber dampers, rubber rollers, medical drug plugs, automobile spare parts, rubber gaskets, conductive buttons and other rubber products

机台应用 Application

机台特点 Features

1. 采用双动力、双油泵、双马达、双冷却器。两轴完全独立工作。
2. 油路系统特殊设计，无振动，稳定性好，出入模、上升下降比同行机器要快。
3. 真空度高，采用真空泵浦，创造并维持高真空度环境。
4. 真空储气罐基座式，储气空间大。
5. 采用先进的控制系统 PLC 与触摸屏，保证生产过程中的自动化、重复性和可靠性，降低对操作员的依赖便于质量管理。
6. 新型掀模机械设计，耐用寿命长，出入模静音、快速、平稳。
7. 适合生产高精度、高性能的橡胶、硅胶及复合材料制品的应用。

1. Adopt dual power, dual oil pump, double motor, double cooler. The two axes work completely independently.
2. The oil circuit system is specially designed, no vibration, good stability, and the entry and exit mold, rising and falling are faster than those of peer machines.
3. High vacuum degree, vacuum pump is used to create and maintain a high vacuum environment.
4. Vacuum gas storage tank base type, large gas storage space.
5. The advanced control system PLC and touch screen are used to ensure automation, repeatability and reliability in the production process, reduce the dependence on operators and facilitate quality management.
6. New mold lifting mechanical design, durable and long life, silent, fast and smooth in and out of the mold.
7. It is suitable for the production of high-precision and high-performance rubber, silicone and composite products.

机台应用 Application

技术参数 Technical Parameters

外观尺寸	Footprint Dimension	L3879*W2578*H2918
锁模力	Clamping Force	250 TON
最大使用压力	Working Pressure (Max)	210 kg/cm²
活塞直径	Piston Diameter	Φ400 mm
最大行程	Stroke (Max)	300 mm
子缸规格	Sub-cylinder Spec.	FA63*320st*2
最大开挡	Daylight(Max)	350 mm
热盘尺寸	Heating Platen Dimension	570*610 mm
油箱容积	Oil Reservoir	500L
主机马力	Main Horsepower	7.5kW*2
真空马力	Vacuum Horsepower	VC-100
进退模方式	Way of Mole IN/OUT	油压缸 (HYDRAULIC CYLINDER)
真空罩有效行程	Available Stroke of Vacuum Cover Cylinder	200 mm
上层脱模油缸	Upper Stripper Cylinder	FA50*400st*2
中层脱模油缸	Middle Stripper Cylinder	FA63*250st
下拍油缸	Lower Clapper Cylinder	FA50*150st*2
模架板尺寸	Bolster Plate Dimension	563*660 mm
使用模高	Service Thickness of Mold	MIN 50 ~ MAX 180

机台应用 Application

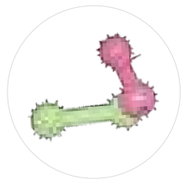
适用范围：100T—200T Scope of application:100T-200T

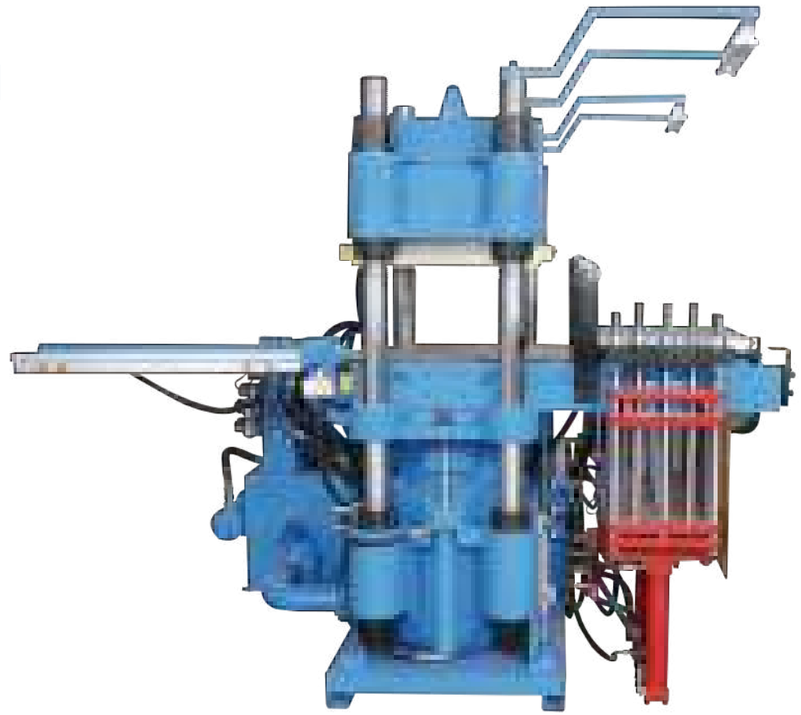
机台特点 Features

1. 此机型适合二层或三层模具使用，是多种功能的机型。
2. 采用双动力、双油泵、双马达、双冷却器，两轴完全独立工作。
3. 油路系统特殊设计，无振动，稳定性好，出入模、上升下降比同行机器要快。
4. 具有慢速校模功能，校模更精确、更安全。
5. 进出模准确定位，有定位安全设计，确保模具不损坏。
6. 掀合模速度可调，准确可靠。
7. 适合电子零部件、医疗用品、生活用品、汽车零部件、工业零部件等产品应用。

1.This kind of machine is a machine with multiple functions, it is suitable for two-layer or three-layer mold.
2.Double powers, double oil pumps, double motors and double oil coolers are applied for the two axles to work independently.
3.The oll system is unique in design with good stability, faster lift-up and lift-down speed compared with other brands when unloading/loading mold.
4.With the function of slow speed alignment adjusting, the adjustment is more precise and safe.
5.The accurate placement of the loading/unloading mold has the placement safety design,protecting the mold from being damaged.
6.The speed of mold raising and closing can be adjusted accurately and safely.
7.It is suitable for manufacturers who produce electric components, medical articles, daily necessities, vehicle components and industrial components and etc.

机台应用 Application



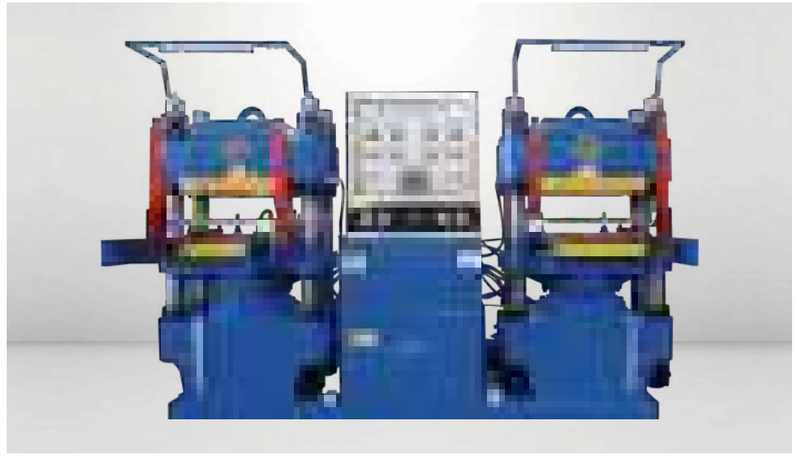


技术参数 Technical Parameters

机型TYPE	100TON	100TON (Large tabletop)	200TON (Small countertop)	200TON	250TON	300TON	350TON	400TON	500TON	800TON
出力 (Ton) Clamping Force	100	100	200	200	250	300	350	400	500	800
行程 (mm) Stroke	250	270	240	250	270	320	320	300	300	500
台面 (mm) Heating Plate Size	400*400	500*500	500*500	554*560	650*600	650*650	750*700	850*850	1200*1000	1600*1600
缸径 (mm) Diamater of Cylinder	250	250	355	355	400	450	475	500	560	700
马力 (hp) Horsepower	5*2	5*2	7.5*2	10*2	10*2	15*2	15*2	20*2	20*2	43*2
开模形式 Type of Mold Opening	上升下降-出入模-2RT/3RT/4RT Up-Down In/Out— 2RT/3RT/4RT									
双轴电热 (kW) Double shaft Thermal Electricity	19.2	25	27	27	40.8	40.8	48	48	86	96
总电力 (kW) Total Power	26.7	32.5	38	42	55.8	62.8	70	78	108	167.5 (双轴)
重量 (kg) Weight	4500	5500	6000	7000	9000	11000	13000	16000	25000	30000
机台尺寸 (m) Dimension:L*W*H	2.7*2.1*1.9	2.8*2.1*2	2.9*2.3*1.9	3*2.4*2	3.5*2.7*2.1	3.5*2.7*2.3	4*3*2.2	4.2*3.5*2.3	4.83*4.13*2.55	6.5*5.4*3.4

标配2RT，可选3RT、4RT开模结构
2RT is official, and the mold device of 3RT and 4RT is optional

机台应用 Application



适用范围:100T—200T Scope of application:100T-200T

机台特点 Features

1、此机型适合二层模具使用，有快速的生产能力。轨道开模，掀模角度可达 90 度，方便人员操作。
2、采用双动力、双油泵、双马达、双冷却器，两轴完全独立工作。
3、油路系统特殊设计，无振动，稳定性好，出入模、上升下降比同行机器要快。
4、具有慢速校模功能，校模更准确、更安全。
5、适合 O 型圈、黑橡胶成品、导电橡胶、按键、垫片等硅橡胶产品应用。

1. This kind of machine is suitable for two-layer mold with quick productivity. Opening and raising angles of the mold can reach as large as 90 degrees, and it is very convenient to operate.
2.Double powers, double oil pumps,double motors and double oil Coolers are applied for the two axles to work independently.
3. The oil system is unique in design with good stability, faster lift-up and lift-down speed compared with other brands when unloading/loading mold.
4. With the function of slow speed alignment adjusting, the adjustment is more precise and safe.
5. It is suitable for manufacturers who produce O-rings, black rubber products,conductive rubber products,silicon button and rubber gaskets and other rubber products.

技术参数 Technical Parameters

机型TYPE	100TON	100TON (Large tabletop)	200TON	250TON	300TON	350TON	500TON
出力 (Ton) Clamping Force	100	100	200	250	300	350	500
行程 (mm) Stroke	250	270	250	270	320	320	300
台面 (mm) Heating Plate Size	400*400	500*500	560*560	650*600	650*650	750*700	1200*1000
缸径 (mm) Diamater of Cylinder	250	250	355	400	450	475	560
马力 (hp) Horsepower	5*2	5*2	10*2	10*2	15*2	15*2	20*2
开模形式 Type of Mold Opening	上升下降一出入模一轨道开模 Up-Down In-OutRail						
双轴电热 (kW) Double Shaft Thermal Electricity	19.2	25	27	40.8	40.8	48	86
总电力 (kW) Total Power	26.7	32.5	42	55.8	62.8	70	108
重量 (kg) Weight	4500	5500	7000	9000	11000	13000	25000
机台尺寸 (m) Dimension:L*W*H	2.5*1.8*1.7	2.8*2.1*2	3*2.4*2	3.4*2.5*2.05	3.45*2.5*2.1	3.45*2.6*2.1	4.79*3.86*2.28

机台特点 Features

1、安全设计
2、整体结构及安全设计符合欧洲 CE 认证标准。
3、采用伺服系统配置

1. Safety design
2. The overall structure and safety design are in line with European CE certification standards.
3. Adopt servo system configuration

伺服系统特点 Features of servo system

1、高节能 ： 充分发挥伺服电机的调速性能，结合优化后的压力和流量控制算法按需供油，与原来的定量泵系统相比，最高可节能 60% 以上。
2、高性能 : 选用高精度的压力传感器，结合高响应的 PID 算法，可保证系统压力波动在 ±0.5bar 之内。
3、高效率 ： 采用高效的弱磁算法，充分发挥伺服电机的高转速，使系统获得更大的流量输出，提高了设备整体效率 ；伺服最快响应速度可达 13ms，确保系统更快的建立起压力。
4、低噪音 ： 采用低噪音内齿泵和四象限柱塞泵，降低系统工作时噪音。整机安静运行，即使是在高压锁模和高压注射的情况下，仍然能给您一个安静的工作环境
5、节约冷却水 : 因液压系统消除无功能耗，液压系统发热极少，油箱不需要接冷却水，机器不间断运行油箱温度低于 55°C
6、提高维护保养性 : 与伺服阀系统相比，降低了液压油的使用要求，液压元件寿命延长

1. High energy savings: Fully utilize the speed regulation performance of the servo motor, combined with optimized pressure and flow control algorithms to supply oil as needed. Compared with the original fixed displacement pump system, energy savings can be increased by more than 60%.
2. High performance: Using high-precision pressure sensors, combined with a high-response PID algorithm, can ensure that system pressure fluctuations are within ±0.5 bar.
3. High efficiency: Adopting a high-efficiency weak magnetic algorithm fully leverages the high speed of the servo motor, allowing the system to achieve larger flow output and improving overall equipment efficiency; the servo's fastest response time can reach 13 ms, ensuring the system quickly builds pressure.
4. Low noise: Using low-noise internal gear pumps and four-quadrant plunger pumps reduces noise during system operation. The machine runs quietly, and even under high-pressure mold clamping and high-pressure injection conditions, it still provides a quiet working environment.
5. Saves cooling water: Since the hydraulic system eliminates non-functional consumption, it generates very little heat. The oil tank does not require connection to cooling water, and during continuous machine operation, the oil tank temperature remains below 55°C.
6. Improved maintenance: Compared with servo valve systems, the requirements for hydraulic oil usage are reduced, and the service life of hydraulic components is extended.

技术参数 Technical Parameters

机型TYPE	200TON	250TON	300TON	350TON	400TON	500TON
出力 (Ton) Clamping Force	200	250	300	350	400	500
行程 (mm) Stroke	250	270	320	320	300	300
台面 (mm) Heating Plate Size	UP:500*500 Down:554*560	UP:600*600 Down:650*600	UP:600*600 Down:650*650	UP:700*700 Down:750*700	UP:800*800 Down:850*850	UP:1000*1000 Down:1200*1000
缸径 (mm) Diamater of Cylinder	355	400	450	475	500	560
马力 (hp) Horsepower	10*2	10*2	15*2	15*2	20*2	20*2
开模形式 Type of Mold Opening	上升下降一出入模一2RT/3RT/4RT Up-Down In-Out- 2RT/3RT/4RT					
双轴电热 (kW) Double Shaft Thermal Electricity	27	36	36	48	48	72
真空泵 (kW) Vacuum Pump	4	4	4	4	4	7-5
总电力 (kW) Total Power	46	55	62	75	89	116
重量 (kg) Weight	9000	11500	12000	17000	22000	35000
机台尺寸 (m) Dimension:L*W*H	3*2.4*2.35	3.4*2.6*2.4	3.5*2.7*2.5	3.66*2.95*2.5	3.85*3.2*2.7	4.79*3.86*2.88

机台应用 Application

捷和专业研发制造用于新材料碳纤、玻纤、复合材料的热压成型设备，设备压力有 100T-500T 等不同规格。

主要应用于手机后盖、VR/AR 智能穿戴、头盔、无人机零部件、气凝胶隔热垫等碳纤、玻纤轻量化行业产品及航空航天、汽车制造、医疗器械、建筑建材、体育器材、消费电子、新能源等多个领域。热压成型机采用伺服油路系统，低噪音，节能环保。独特的发热系统装置，可分段、分区控制温度和压力，整体温差可控制在 ±3 度内，确保热压温度的稳定性，大大提高产品的良率。整个成型过程需要严格控制温度、压力和成型时间等参数，以保证产品的质量和性能一致性。

Kiiwoo specializes in the research and development and manufacture of hot press forming equipment for new materials carbon fiber, glass fiber, and composite materials, with equipment pressures of 100T-500T and other specifications.

It is mainly used in mobile phone back covers, VR/AR smart wearables, helmets, drone parts, aerogel thermal insulation mats and other carbon fiber and glass fiber lightweight industry products, as well as aerospace, automobile manufacturing, medical equipment, building materials, sports equipment, consumer electronics, new energy and other fields. The hot press forming machine adopts servo oil circuit system, which is low noise, energy-saving and environmentally friendly. The unique heating system device can control the temperature and pressure in sections and zones, and the overall temperature difference can be controlled within ±3 degrees, ensuring the stability of the hot pressing temperature and greatly improving the yield of the product. The entire molding process requires strict control of parameters such as temperature, pressure, and molding time to ensure consistent product quality and performance.

技术参数 Technical Parameters

机型TYPE	100TON	100TON (Large tabletop)	200TON	250TON	300TON	350TON	500TON
出力 (Ton) Clamping Force	100	100	200	250	300	350	500
行程 (mm) Stroke	270	270	300	300	300	300	300
台面 (mm) Heating Plate Size	400*400	500*500	560*560	650*600	650*650	750*700	1200*1000
缸径 (mm) Diamater of Cylinder	250	250	355	400	450	475	560
马力 (hp) Horsepower	5*2	5*2	10*2	10*2	15*2	15*2	20*2
开模形式 Type of Mold Opening	上升下降-出入模-轨道开模 Up-Down In-Outrail						
双轴电热 (kW) Double Shaft Thermal Electricity	15.6	25	27	34	38	40	86
总电量(kW) Total Power	23	32.5	42	49	60	62	108
重量 (kg) Weight	4500	5500	7000	9000	11000	13000	25000
机台尺寸 (m) Dimension: L*W*H	2.5*1.8*1.7	2.8*2.1*2	3*2.4*2	3.4*2.5*2.05	3.45*2.5*2.1	3.45*2.6*2.1	4.79*3.86*2.28

机台特点 Features

热压成型机的主要组成部分有加热系统、压力系统、模具系统和控制系统。
1、加热系统提供均匀、稳定、可调节的加热温度，以保证碳纤维、玻纤增强塑料的流动性和固化性。
2、压力系统提供足够、均匀、可调节的压力，以保证碳纤维、玻纤增强塑料的填充性和成型性。
3、模具系统适应不同的碳纤维、玻纤增强塑料材料和不同的成型要求，具有良好的耐磨性、耐腐蚀性、耐温性和脱模性。
4、控制系统实现对加热温度、压力、时间等参数的精确控制和监测以保证碳纤维、玻纤增强塑料的质量
和一致性。
5、热压成型机的安全性、可靠性、操作性、维护性等方面也应符合相关的标准和规范，以保设备的正常运行和使用寿命。加热方式有：电加热、导热油加热、蒸汽加热。加热温度：0-300℃。温度操控方法：PLC 电脑操控，分段控温，曲线升温。压力操控方法：PLC 电脑操控，可分多段加压。操控方法: PLC 全自动操。控加热进程: 加热温度升温进程可设置多段加热，PLC 操控温度，使温度精准。上下独立操控加温：0 到 300 度。加压进程：加压进程可设置多段加压，PLC 操控压力，使压力精准。

The main components of a hot press forming machine include a heating system, a pressure system, a mold system, and a control system.
1. The heating system provides uniform, stable and adjustable heating temperature to ensure the fluidity and curing of carbon fiber and glass fiber reinforced plastics.
2. The pressure system provides sufficient, uniform and adjustable pressure to ensure the fillability and formability of carbon fiber and glass fiber reinforced plastics.
3. The mold system adapts to different carbon fiber, glass fiber reinforced plastic materials and different molding requirements, and has good wear resistance, corrosion resistance, temperature resistance and mold release.
4. The control system realizes precise control and monitoring of heating temperature, pressure, time and other parameters to ensure the quality of carbon fiber and glass fiber reinforced plastics
and consistency.
5. The safety, reliability, operability, and maintenance of the hot press molding machine should also comply with relevant standards and specifications to ensure the normal operation and service life of the equipment. The heating methods are: electric heating, thermal oil heating, steam heating. Heating temperature: 0-300 ° C. Temperature control method: PLC computer control, segmented temperature control, curve heating. Pressure control method: PLC computer control, can be pressurized in multiple stages. Operation method: PLC fully automatic operation. Control the heating process: The heating temperature heating process can be set to multi-stage heating, and the PLC controls the temperature to make the temperature accurate. Independent control up and down heating: 0 to 300 degrees. Pressurization process: The pressurization process can be set with multiple stages of pressurization, and the PLC controls the pressure to make the pressure accurate.

技术参数 Technical Parameters

机型TYPE	100TON	200TON (Small countertop)	200TON	250TON	300TON	350TON	400TON	500TON
出力 (Ton) Clamping Force	100	200	200	250	300	350	400	500
行程 (mm) Stroke	250	270	300	300	300	300	300	300
台面 (mm) Heating Plate Size	UP:380*400 Down:400*400	UP:450*450 Down:500*500	UP:500*500 Down:560*560	UP:600*600 Down:650*600	UP:600*600 Down:650*650	UP:700*700 Down:750*700	UP:800*800 Down:850*850	UP:1000*1000 Down:1200*1000
缸径 (mm) Diamater of Cylinder	250	355	355	400	450	475	500	560
马力 (hp) Horsepower	7.5*2	7.5*2	10*2	10*2	15*2	15*2	20*2	20*2
开模形式 Type of Mold Opening	上升下降-出入模-轨道开模/2RT/3RT/4RT Up-Down In-Outrail 2RT/3RT/4RT							
双轴电热 (kW) Double Shaft Thermal Electricity	15.6	27	27	34	34	40	45	86
真空泵(kW) Vacuum Pump	2	3	3	3	3	3	3	4
总电量(kW) Total Power	23	41	45	52	59	65	70	112
重量 (kg) Weight	8000	9500	10500	13000	13500	18500	23500	36500
机台尺寸 (mm) Dimension: L*W*H	2750*2000*2100	2900*2200*2200	3000*2400*2350	3400*2600*2400	3500*2700*2500	3660*2950*2600	3850*3200*2700	4790*3860*2880

机台应用 Application

机台特点 Features

针对较复杂骨架油封成品特性专门设计，良品率高，生产效率高。特殊掀模方式，方便人员操作。此机型适合较复杂油封、迫紧、各类杂件橡胶生产。

The special design for the complicated characteristics of the finished framework oil seal products ensures the high acceptability rate and high productivity. The special mold raising method makes it convenient for the workers to operate. This kind of machine is suitable to produce complicated oil seals, packings and all kinds of sundries and rubbers.

技术参数 Technical Parameters

型号 Model	JH-100	JH-150	JH-250
锁模力(kN) Clamping Force	100	150	250
主活塞直径(mm) Diameter of Main Piston	250	300	400
热盘尺寸(mm) Heating Plate Size	350*400	450*480	570*610
模架板尺寸(mm) Lifting Plate Size	390*420	500*520	620*620
主机行程(mm) Main Stroke	140	140	140
开档(mm) Stroke of The Mold Opening	150/180	150/180	150/180

机台应用 Application

技术参数 Technical Parameters

机型TYPE	100TON	200TON	250TON	300TON	350TON	500TON
出力 (Ton) Clamping Force	100	200	250	300	350	500
行程 (mm) Stroke	250	240	270	320	320	300
台面 (mm) Heating Plate Size	UP:400*380 Down:400*400	UP:500*500 Down:560*560	UP:600*600 Down:600*650	UP:600*600 Down:650*650	UP:700*700 Down:750*700	UP:1000*1000 Down:1200*1000
缸径 (mm) Diamater of Cylinder	250	355	400	400	450	560
马力 (hp) Horsepower	7.5*2	10*2	10*2	15*2	15*2	20*2
开模形式 Type of Mold Opening	上升下降-出入模-2RT/3RT/4RT Up/Down In/Out 2RT/3RT/4RT					
双轴电热 (kW) Double Shaft Thermal Electricity	19.2	27	36	36	48	72
真空泵 (kW) Vacuum Pump	4	4	4	4	4	7.5
总电力 (kW) Total Power	34.2	46	62	62	75	116
重量 (kg) Weight	6500	9000	11500	11500	13500	45000
机台尺寸 (mm) Dimension:L*W*H	2750*2000*2100	3000*2400*2350	3400*2600*2400	3400*2600*2400	3500*2800*2600	4790*3860*2880

机台应用 Application

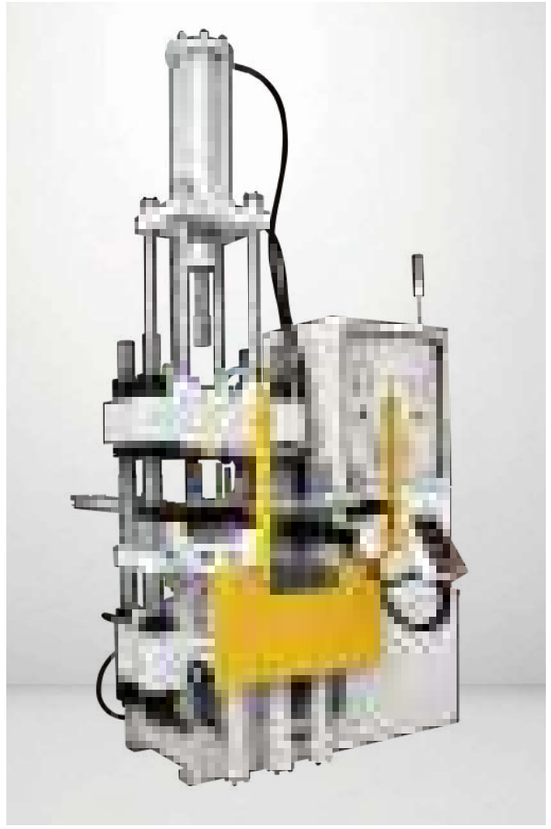
机台特点 Features

采用“C”型框架两侧全开放式锁模结构和无流道全进全出注射装置，不用止逆阀，计量更为精确；生产过程不会产生老化胶，不用打料头，更省料、更高效。是各类密封条接口或接角的较适合的生产设备。

Adopt"C"type frame total access from the side clamping structure,accuratemeasurement without check-valve.There is no vulcanized rubber in the process of production,enhance efficiency. Suitable for all kinds of sealing profiles junction and corner molding products.

技术参数 Technical Parameters

机型TYPE		30J	50J	75J	100J
注射容积 (cm^3)	Injection Volume	150	300/500	300/500	500/1000
锁模力 (kN)	Clamping Force	300	500	750	1000
热板尺寸 (mm)	Heating Plate Size	300*300	400*400	450*450	500*500
最大合模行程 (mm)	Max Damping Stroke	300	350	350	350
最小模具厚度 (mm)	Min Mold Thickness	60	60	100	100
总电力 (kW)	Total Power	20	23	28	30
热板间距 (mm)	Distance Between Plates	350	400	440	440
喷嘴口直径 (mm)	Nozzle Diameter	5.5	5.5	5.5	5.5
喷嘴圆弧半径 (mm)	Arc Radius of Nozzle	12.5	12.5	12.5	12.5
尺寸 L*W*H(mm)	Dimension	1500*1050*2600	1600*1100*2900	1700*1200*2900	1800*1300*3000
重量 (kg)	Weight	2000	3000	4000	5000



机台应用 Application

机台特点 Features

成品无射点，一次投料，多次使用。转射无残料，节省胶料。

No burst firing on the finished Products one time feeding,multiple utilization. No-residue material in the swirling jet, save rubber materials.

技术参数 Technical Parameters

机型TYPE		100TON	200TON	400TON
出力 (Ton)	Clamping Force	100	200	400
行程 (mm)	Stroke	250	250	300
台面 (mm)	Heating Plate Size	400*400	554*560	850*850
缸径 (mm)	Diamater of Cylinder	250	355	500
马力 (hp)	Horsepower	7.5*1	10*1	20*1
开模形式	Type of Mold Opening	上升下降-出入模-2R Up/down-In/2R		
单轴电热 (kW)	Single Shaft Thermal Electricity	9	12	18
总电力 (kW)	Total Power	17.5	19.5	29
机台尺寸 L*W*H(mm)	Dimension	1570*1600*2650	1600*1750*2850	1900*1850*3700
注射容积 (cm^3)(CC)	Injection volume	800	1000	2500

标配2RT，可选3RT.4RT开模结构

2RT is official, and the mold device of 3RT and 4RT is optional

机台应用 Application

机台特点 Features

Melamine Tableware Molding Machine and Friction Plate Molding Machine. The melamine tableware molding machine includes a variety of melamine products such as chopsticks, cups, bowls, plates, spoons, salad bowls, and tableware.

Features Description

1. Equipped with a special auxiliary hydraulic mechanism to enhance horizontal pressing operations on both sides.

2. Vertical pressing and horizontal pressing are independently controlled, and the required pressure can be designed separately.

3. The pressing on both sides uses a synchronous mechanism, ensuring even pressure on the left and right, without the disadvantage of uneven pressure or residual internal stress.

4. In addition to producing melamine tableware and friction plates, it is also highly suitable for products that require four-sided pressing.

技术参数 Technical Parameters

型号 Model		100TON	150TON	200TON	200TON (Large tabletop)
出力 (Ton)	Clamping Force	150	150	200	200
行程 (mm)	Strpke	480	480	500	500
台面 (mm)	Heating Piate Size	660*620	660*620	660*620	720*720
热板间隔 (m/m)	Min.Mould Thckness Range	480	480	500	500
系统压力 (kg-cm^2)	System Pressure	210	210	210	210
马力 (hp)	Horsepower	7.5	7.5	10	10
总电力 (kW)	Total Power	10.6	10.6	15.2	15.2
机台重量 (kg)	Weight	4000	4000	6000	6000

弹力球专用热压成型机(六层)

Special Hot Press Molding Machine for Bouncing Balls (Six Layers)

机台应用 Application

强力球专用冷压成型机(二层)

Special Cold Press Forming Machine for Power Balls (Two Layers)

技术参数 Technical Parameters

机型TYPE		100T(六层 six floor)	200T(二层 two floor)
出力 (Ton)	Clamping Force	100	200
台面 (mm)	Heating Piate Size	470*470	470*470
缸径 (mm)	Diameter of Cylinder	250	355
马力 (hp)	Horsepower	10	10
双轴电热 (kW)	Double Shaft Thermal Electricity	102	24
总电力 (kW)	Total Power	109.5	39
重量 (kg)	Weight	12000	8000
机台尺寸 L*W*H(mm)	Dimension	2800*2000*3400	3300*1700*2200

技术参数 Technical Parameters

名称 Name	参数 parameter
机台尺寸 Machine Size: L*W*H	1100*800*960mm
机台重量 Machine Weight	190kg
切胶宽度 Rubber Cutting Width	500mm（硅胶 silicone rubber）400mm（橡胶 rubber）
切胶长度 Rubber Cutting Length	0.1~300mm（硅胶 silicone rubber）0.1~100mm（橡胶 rubber）
切胶厚度 Rubber Cutting Thickness	10mm（硅胶 silicone rubber）3mm（橡胶 rubber）
电控系统 Electric Control System	脉波产生器 PLC Pulse Modulation
计数器 Counter	液晶显示器 Liquid Crystal Display
切割方式 Cutting Method	循环多段切割 Multi-cutting Cycle
性能 Performance	切刀往复每分钟85~100次，高精度步进电机、布距角0.6度/1.2度、20Nm The cutting blade reciprocates85-100 times/min.High precision motor, the angle is 0.6'/1.2'，20Nm.
其它 Others	200V、50HZ、切刀马达 Cutting motor 120W

▸一般橡胶切条机
General Rubber Material Cutting Machine

▸硅橡胶切条机
Silicon Rubber Cutting Machine

技术参数 Technical Parameters

名称 Name	参数 parameter
马力 Horsepower	2.2kW
机台尺寸 Machine Size: L*W*H	1080 *900*1230
机台重量 Machine Weight	620kg
切胶宽度 Rubber Cutting Width	1mm~50mm
切胶长度 Rubber Cutting Length	580mm
切胶厚度 Rubber Cutting Thickness	≤12mm
电控系统 Electric Control System	脉波产生器PLC Pulse generator PLC
计数器 Counter	液晶显示器,可做1-9999设定1-9999 LCD Liquid crystal display, can be used to set 1-9999 LCD 1-9999
机体结构 Structure	铸造式侧板及底板,强度及稳定性佳 Casting type side plate and bottom plate, strength and good stability
性能 Performance	切胶时安静无声，切胶准确100% When the glue is quiet and silent, cutting glue accurately 100%

▸25TON全自动单头平板硫化机
25TON full automatic single station
plate vulcanizing press machine

▸50TON全自动单头平板硫化机
50TON full automatic single station
plate vulcanizing press machine

技术参数 Technical Parameters

型号 Model		25TON	50TON
出力 (Ton)	Clamping Force	25	50
行程 (mm)	Stroke	250	250
台面 (mm)	Heating Plate Size	350*350	400*400
马力 (hp)	Horsepower	5	5
重量 (kg)	Weight	800	1800
机台尺寸 L*W*H(mm)	Dimension	1200*1150*1600	1400*1350*1800

▸100TON全自动单头(双层)平板硫化机
100TON full automatic single station
plate vulcanizing press machine

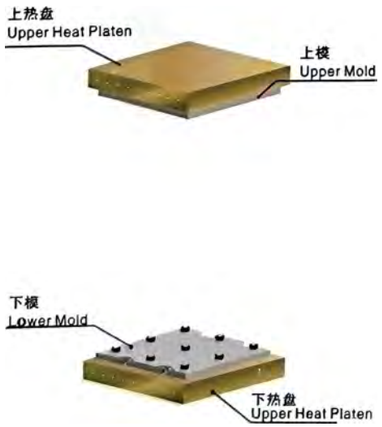
400T全自动平板硫化机◂
400TON full automatic plate curing machine

技术参数 Technical Parameters

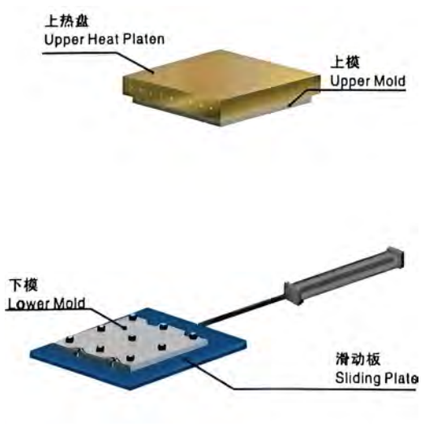
型号 Model		100TON	400TON
出力 (Ton)	Clamping Force	100	400
行程 (mm)	Stroke(mm)	250	300
台面 (mm)	Heating Plate Size	500*500	850*850
马力 (hp)	Horse Power	5	20
重量 (kg)	Weight	2300	8500
机台尺寸 L*W*H(mm)	Dimension	1500*1350*1880	2800*2700*2200

开模方式
Mold Opening Method

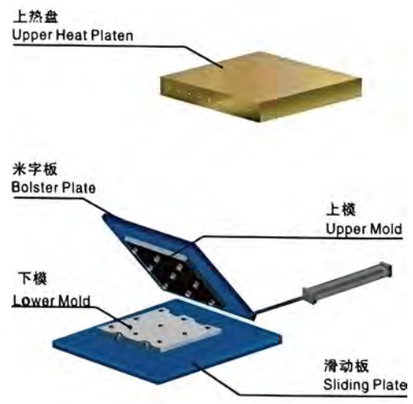
01 自动上升下降
Automatic Lifting and Lowering



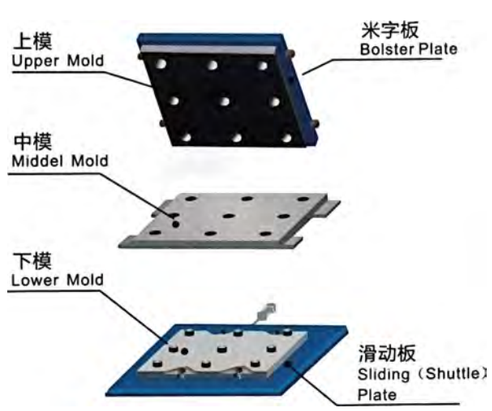
02 自动进出模
Automatic Mold Entry and Exit



03 自动2RT翻板/轨道
Auto Up / Down



04 自动3RT开模
Automatic 3RT Mold Opening

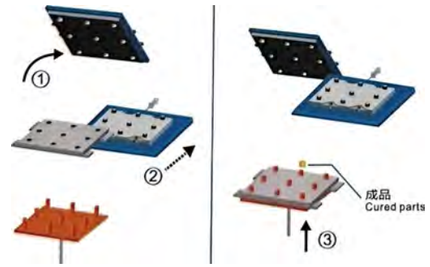


拍板顶出方式（上拍+下拍）
Clapper Ejection Method (up and down)

01 下拍顶中模产品
Lower Platen Ejecting the Middle Mold Product

1、上模翻板 / 2、滑动板后退 / 3、下拍板上升，顶出中模产品

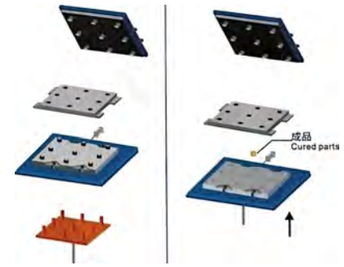
1. Upper die flap / 2. Slide the plate back
3. The lower clapper rises and ejects the medium mold product



02 下拍顶出下模产品
Lower Platen Ejecting the Lower Mold Product

1、上模翻板 / 2、下拍板上升，顶出下模产品

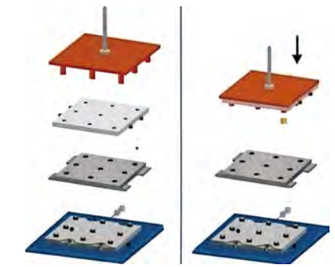
1. The upper die flap
2. The lower clapper rises and ejects the lower die product



03 上拍顶出上模产品
Upper Platen Ejecting the Upper Mold Product

上拍板下降，顶出上模产品

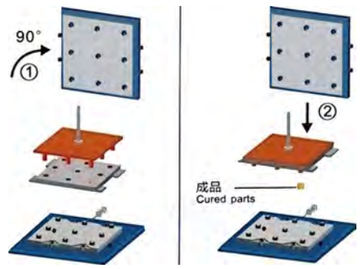
The upper clapper is lowered, and the upper mold product is ejected



04 上拍顶出中模产品
Upper Platen Ejecting the Middle Mold Product

1、上模翻板90° / 2、上拍板下降，顶出中模产品

1. The upper mold flap plate is 90°
2. The upper clapper is lowered, and the middle mold product is ejected



注射单元
Injection Unit

- **短注嘴设计——无溢料和漏料现象**
- **缩短硫化时间，飞边控制，更高的塑化温度**

Shortest nozzle design, uncoupling unnecessary=no leakages
Save cure time, less flash and higher plastic temperature

先进先出注射头 FIFO injection unit

- 胶料塑化一致
- 注射精度高
- 注射压力损失最小
- 浮动活塞磨损及翻料更少
- 科学的螺杆设计可以得到更短的塑化时间

- United plastic temperature
- Precise injection
- Minimun injection pressure loss
- Less wear -- out and overflow result from free -- flooting injection piston
- Special design screw makes less plasticizing time

主要参数 Impotant date

- 精确的注射容积 Injection volume from	350cc-10000cc
- 重复精度高 Perfect repeat precision	±0.1mm
- 注射压力达 Injection pressure up to	3500bar

清理及维护 Clean and maintenance

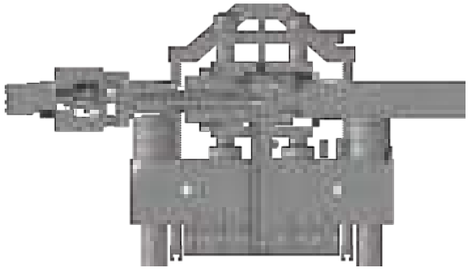
- 免拆清理设计
- 加温硫化后活塞提起即可完成清理

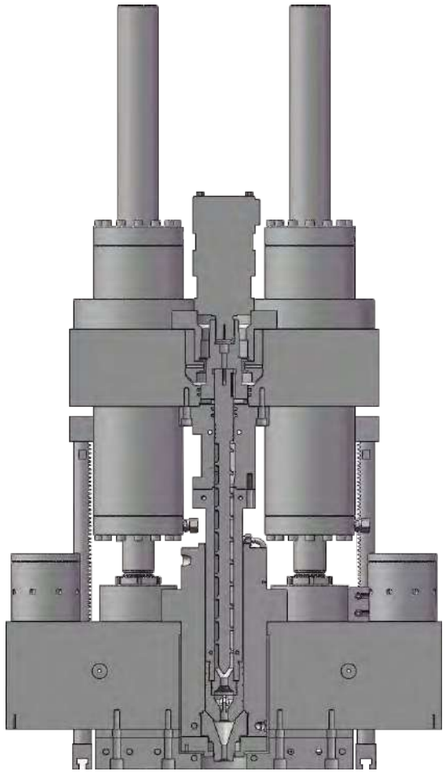
- None of dismantle design
- Cured and lift up then easy to clean

超高注射压力 Super high injection pressure

- 有助于流动性差的胶料注射
- 有助于多注嘴冷流道应用

- Easy for poor fluidity materials
- Be good used in cold runner block application





止逆阀 Non--return valves

- 单向止逆阀由注射反作用力自动关闭
- 大平接触面密封更直接、可靠
- 专利设计的单向阀无胶料残留

- One way check valvers auto closed resulted from injection reaction
- Large area sealing direct and reliable
- No rubber remains thanks to patented design valves

温控单元 Temperature unit

- 料筒、活塞、注嘴独立控制
- 紧急制冷功能
- 2点温度检测

- Barrel, cylinder and nozzle divided control
- Emergency cooling
- 2 points detection

塑化单元 Plasticization unit

- 优化设计的喂料口适合各种胶料
- 10:1的螺杆长径比，提供最佳塑化效果

- Optimal design for different material
- Screw rate 10:1 perfect plasticizing

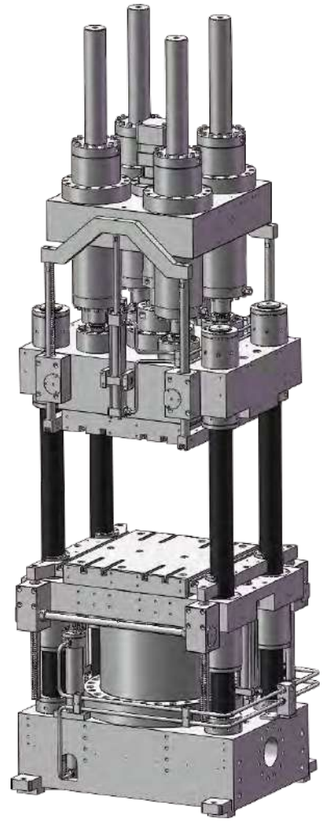
合模单元
Clamping Unit

- 运动快速精准、安静顺滑
- 强壮而可靠的液压系统设计，免维护
- 750mm操作平台，操作更容易、更省力、更安全
- 同步上、下提升器（带齿轮齿条平衡器）
- 预留各种辅助装置螺孔充分体现拓展性

- Moving fast and accuracy, quiet and smoothly
- Strong and steady hydraulic system, no maintains
- 750mm operation opsition easy to operating and safety
- Synchronous ejector thanks to rack and pinion suspension system
- Space -- saving concept for the integration of auxiliary equipments

- 大尺寸T型槽热板	- Bigger heating platen with T solt
- 3区加热独立控制	- 3 zone independent temp control
- 快速加热功能	- Discrepancy power pipe heater
- 加热管分区差异加热	- Heating tube zoning differential heating

- 温差士3度	- Temperature difference in ± 3°C
- 可从机器三面进行操作	- Operation from 3 sides, front, no -- operation side and broadside
- 前光栅	- Light curtain in front is strand
- 后安全门	- Back safe door
- 超大开模行程	- Bigger opening and closing stroke



液压系统
Hydraulic System

- 力士乐变量泵，节能耐久
- 力士乐阀
- 中心阀板控制
- 油温监控
- 停机离线冷却
- 灵敏、高重复性
- Park管路
- 高精密接头
- 进口TRELLEBORG密封圈

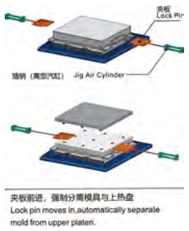
- Rexroth variable pump, energy-saving, long service, quiet
- Rexroth valves
- Central valves Disc
- Oil temp monitor
- Off-line cooling
- Sensitive, perfect repeat accuracy
- Park pipes
- High precision connectors
- TRELLEBORG sealing

选购配置
Optional Configuration

01 气动离型分模机构
Pneumatic Release and Mold Splitting Mechanism

气动插销前进，强制分离模具与上热盘

The pneumatic latch advances to force the separation of the mold from the upper hot plate



02 节能式推出热板
Energy-Saving Ejector Hot Plate

采用推出式节能加热板，降低温度能耗流失，提高生产效率、降低生产成本，节能约30%

The use of push-out energy-saving heating plate reduces temperature and energy loss loss, improves production efficiency, reduces production costs, and saves about 30% of energy

03 伺服系统（双油路）
Servo System (Dual Oil Circuits)

采用伺服电机系统能够控制运动位置、速度和加速度，高效稳定的运行，减少不必要的能量消耗，相比传统电机伺服电机大约能节约15%

The servo motor system can control the movement position, speed and acceleration, efficient and stable operation, reduce unnecessary energy consumption, and save about 15% compared with the servo motor of the traditional motor

04 快速锁模机构
Quick Mold Clamping Mechanism

模具标准化，可实现五分钟拆装一套模具

The mold is standardized, and a set of molds can be disassembled and assembled in five minutes

05 分段多功能操作按钮
Segmented Multi-Functional Operation Buttons

分段控制机体动作，硫化计时、成型压力显著可见

The movement of the body is controlled in sections, and the vulcanization timing and forming pressure are significantly visible

06 三段温控
Three-Stage Temperature Control

温控三段，控温更为精准，加热管异常清晰可辨

The temperature control is more accurate, and the heating pipe is abnormally clearly identifiable

07 油路防尘
Oil Circuit Dust Prevention

油路板加装防尘盖板，防尘废边杂物

The oil road plate is equipped with a dust-proof cover to prevent dust and waste edge debris

08 机体机罩
Machine Body and Hood

机体全包，机体半包

The body is all-inclusive, and the fuselage is half inclusive

09 智能硫化监控系统
Intelligent Vulcanization Monitoring System

人机互联，可连接MES、ERP等中央控制系统

Human-machine interconnection, can be connected to MES, ERP and other central control systems

10 省力气动分模离型机构
Labor-Saving Pneumatic Mold Splitting and Release Mechanism

由传统扳手调节升级为手摇式便携调节高度，并增加多根导向定位及升级专利气缸浮动球头稳固性更佳

Upgraded from traditional wrench adjustment to hand-cranked portable height adjustment, and added multiple guide positioning and upgraded patented cylinder floating ball head for better stability

产品特点及优势
Product Features And Advantages

FCD-50球墨铸铁
FCD-50 Ductile Iron

FCD-50球墨铸铁（QT500-7）油缸基座采用3D电脑力学分析，辅助结构设计。一体铸造成型，强化平面精度与结构，永保机台寿命。

The cylinder base, made of FCD-50 ductile iron (QT500-7), adopts 3D computer-aided mechanical analysis for structural design optimization. It is formed through integral casting, which enhances planar precision and structural strength, ensuring the long service life of the machine.

主立柱防松压盖
Anti-Looseness Gland of the Main Column

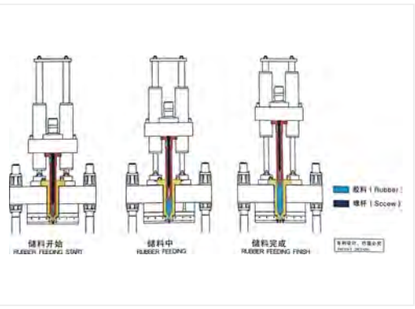
主立柱材质40cr硬硌处理，并采用无油轴承，超高硬度及抗拉性，螺母配备防松设计，永保立柱不断及机体平整度。

The main column is made of 40Cr steel with hard chrome plating. It adopts oilless bearings, featuring ultra-high hardness and tensile strength. The nut is equipped with an anti-loosening design, ensuring the column remains undamaged and the machine body maintains flatness over long-term use.

注射单元
Injection Unit

先进的注射单元，螺杆台湾原装进口，五段注射压力，计量背压可调，特殊螺杆恒温系统，注射精准度更高。

Advanced injection unit, screw imported from Taiwan, five-stage injection pressure, adjustable metering back pressure, special screw constant temperature system, higher injection accuracy.



先进先出注射单元
First-In-First-Out Injection Unit

1、防止死料，便于换色、清洁；
2、先塑化的胶料先被注射，一次注射的胶料在注射料筒中停留的时间相同，避免先进入的胶料因在注射料筒中停留时间过长而出现过早硫化现象；
3、注射柱可移至注射料筒之外，大大简化胶料更换的操作。

1. Prevent dead materials, easy to change color and clean;
2. The plasticized rubber material is injected first, and the rubber material that is injected for the same time stays in the injection barrel for the same time to avoid premature vulcanization of the rubber material that enters first due to the long stay time in the injection barrel;
3. The injection column can be moved outside the injection barrel, which greatly simplifies the operation of glue replacement.

省力气动分模离型机构
Labor-Saving Pneumatic Mold Splitting and Release Mechanism

省力手摇式离型机构，上下左右调节便捷，气缸加装浮动球头设计，防震，避免气缸易松造成气动夹模失灵的弊端，延长气缸使用寿命。

The labor-saving hand-cranked release mechanism is convenient to adjust up and down, left and right, and the cylinder is equipped with a floating ball head design, which is shock-proof, avoiding the disadvantages of pneumatic clamping die failure caused by the cylinder being easily loosened, and extending the service life of the cylinder.

分段式独立前顶机构
Segmented Independent Front Ejection Mechanism

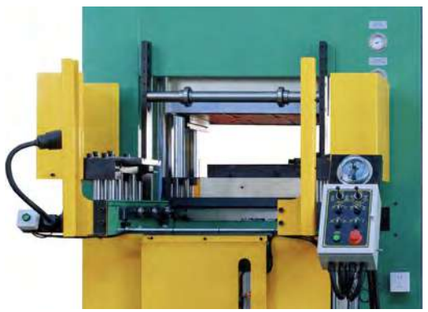
大台面，重型模具，采用分段式独立前顶机构，使得机型平行度更好，机器稳定性更佳。

Large table, heavy mold, and segmented independent front top mechanism are adopted, which makes the model more parallel and the machine stability better.

节能式推出热板
Energy-saving pop-up hot plate

采用推出式节能加热板，降低温度能耗流失，提高生产效率、降低生产成本，节能约30%

Using a push-out type energy-saving heating plate reduces temperature energy loss, improves production efficiency, lowers production costs, and saves about 30% energy.



安全防护
Safety

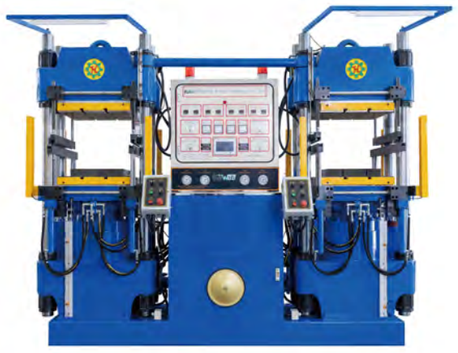
搭配PLC控制安全电眼、双启动开关以及托模顶块防护板，确保操作人员安全。

It is equipped with PLC control safety electric eyes, double start switches and support plates on the top of the carrier to ensure the safety of operators.

350T立式全自动先进先出射出成型机
350T Vertical Full-Automatic FIFO Injection Molding Machine

200T全自动立式先进先出射出成型机
200T Full-Automatic Vertical FIFO Injection Molding Machine

单头平板硫化机
Single-Head Plate Vulcanizing Machine



200T全自动平板硫化机
200T Full-Automatic Plate Vulcanizing Machine

全包围全自动真空机
Fully Enclosed Full-Automatic Vacuum Machine

500T高精度真空平板硫化机
500T High-Precision Vacuum Plate Vulcanizing Machine

500T单头真空热压成型机
500T Single-Head Vacuum Hot Press Forming Machine

高精密度平板硫化机
High-Precision Plate Vulcanizing Machine

400t全包围式真空平板硫化机
400T Fully Enclosed Vacuum Plate Vulcanizing Machine

100t双层上升下降平板硫化机
100T Double-Layer Lifting/Lowering Plate Vulcanizing Machine

全自动真空平板硫化机(CE)
Full-Automatic Vacuum Plate Vulcanizing Machine (CE)

200T全自动立式先进后出出射出成型机
200T Full-Automatic Vertical LIFO Injection Molding Machine

350T立式全自动先进先出射出成型机
350T Vertical Full-Automatic FIFO Injection Molding Machine

300T全自动立式先进先出射出成型机
300T Full-Automatic Vertical FIFO Injection Molding Machine

全自动薄膜按键机
Automatic film button machine

全自动平板硫化机(63T)
Automatic platen vulcanizing machine

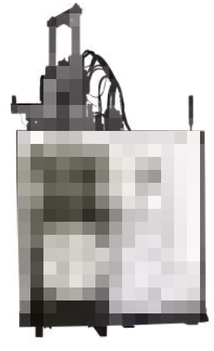
全自动大型真空平板硫化机
Automatic vacuum Platen vulcanizing machice(largre type)

全自动平板硫化机(三联头)
Automatic platen vulcanizing machine(Triple head)

全自动平板骨架油封机
Full automatic plate frame oil seal machine

全自动平板硫化机(台面加大)
Automatic platen wulcanizing machine(big plate)

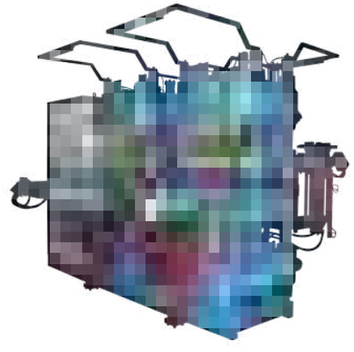
高真空度真空硫化机
Vacuum vulcanizing machine (High vacuum degree)



200T全自动立式先进先出射出成型机
200T Fully Automatic Vertical FIFO Injection Molding Machine

热校平板硫化机(双工位)高温可达500°C
Platen vulcanizing machine with thermal calibration (Double worktable)

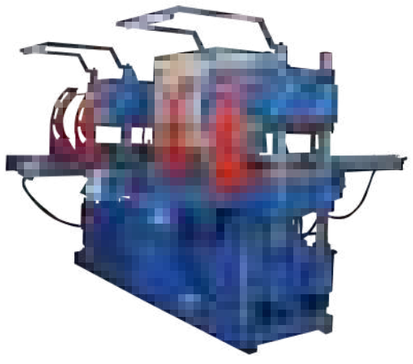
防护罩
Protection cover



全自动平板硫化机(热水袋专用成型机设备)
Automatic flat plate vulcanizing machine (special molding machine for hot water bag)

桥梁支座专用热压成型机
Special machine
for bridge support

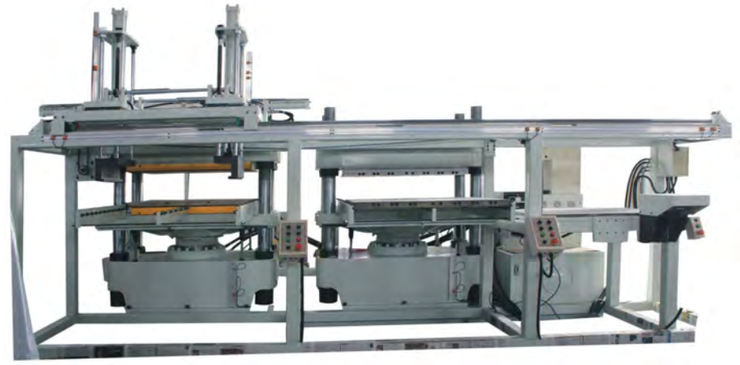
汽车雨刮器橡胶成型机
Rubber forming machine for automobile wiper



全自动快速轨道平板硫化机
Fully automatic fast track plate curing machine

卧式全自动先进先出射出成型机
Horizontal automatic injection machine(FIFO)

真空新型轨道附前顶成型机
New style vacuum platen molding machine



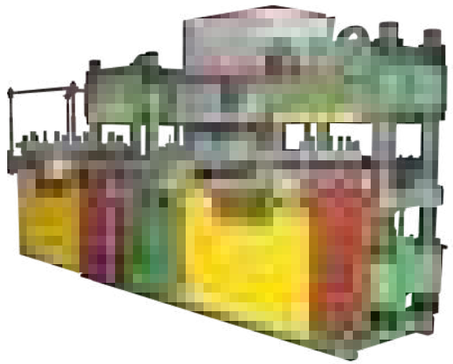
全自动冷热压机械手开模成型机
Automatic molding machine with mechanical arm (hot and cold press)

350T真空单侧双联机
350TON vacuum machine(one side ,two station)

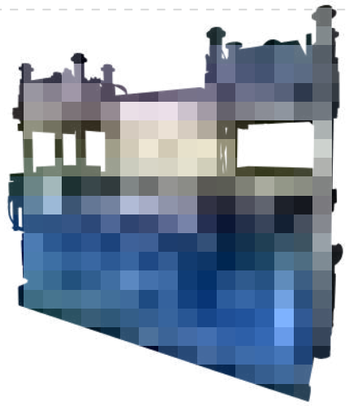
1500*1500蒸汽加热成型机
Steam-heat molding machine

全自动先进先出射出成型机
Fully automatic FIFO injection molding machine
(First in,First out)

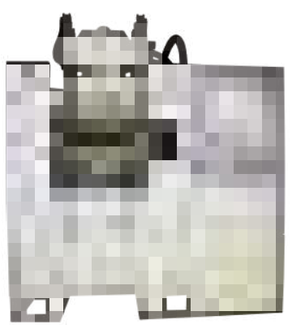
全自动平板硫化机(四联头)
Fully automatic plate curing press (quadruple-head)



全自动平板硫化机(加机械上拍)
Full- automatic flat vulcanizing machine
(with mechanical top shot)



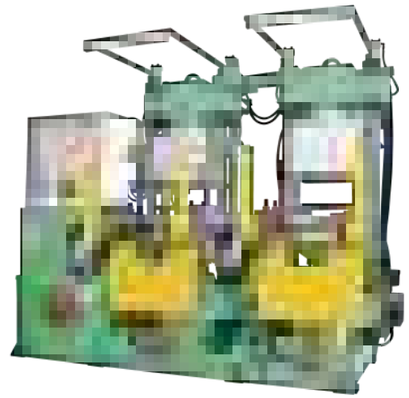
全自动平板热压成型机(上下吊模)
Automatic Plate Hot Pressing Machine
(Upper and Lower Hanging Die)



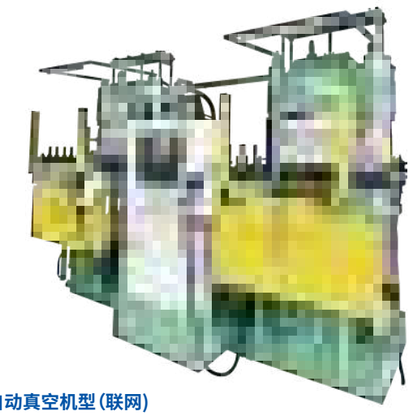
100T真空门框包围
100T vacuum door frame surrounding

全自动真空热压成型机(三联机)
Automatic Vacuum Hot Pressing Machine (Triple Line)

全自动注射成型机(机械手)
Automatic Injection Molding Machine
(Manipulator)



真空双联头
Vacuum duplex



全自动真空机型(联网)
Fully automatic vacuum model
(networked)

平板双层热压成型机(前后出模)
Flat double-layer hot pressing machine
(front and back molding)

250T真空上吊模+侧拉模系列
250t Vacuum upper die + side pull die series