



ZHENLI

振力压铸机

ZHENLI DIE-CASTING MACHINE

热室压铸机

Hot Chamber Die Casting Machine



振力全程无忧“钻石服务”

售前服务：热线咨询（产品及技术），可根据客户要求度身设计

售中服务：提供产品安装调试服务，及使用知识培训

售后服务：24小时维修服务，并提供产品升级或改造等其它服务

服务热线：13824743116(中国)

Trouble-Free Diamond Service

Pre-sales Service: Hotline inquiry about the machines, and we can design the machine according to customers' requirements.

In-sales Service: Our engineers are available for installation, commissioning and training.

After-sales Service: Besides 24-hour services, we also provide you with support for update or modification.

Hotline: 0086 13302590675(Oversea)

江门市振力机械有限公司

Jiangmen Zhenli Machinery Co., Ltd.

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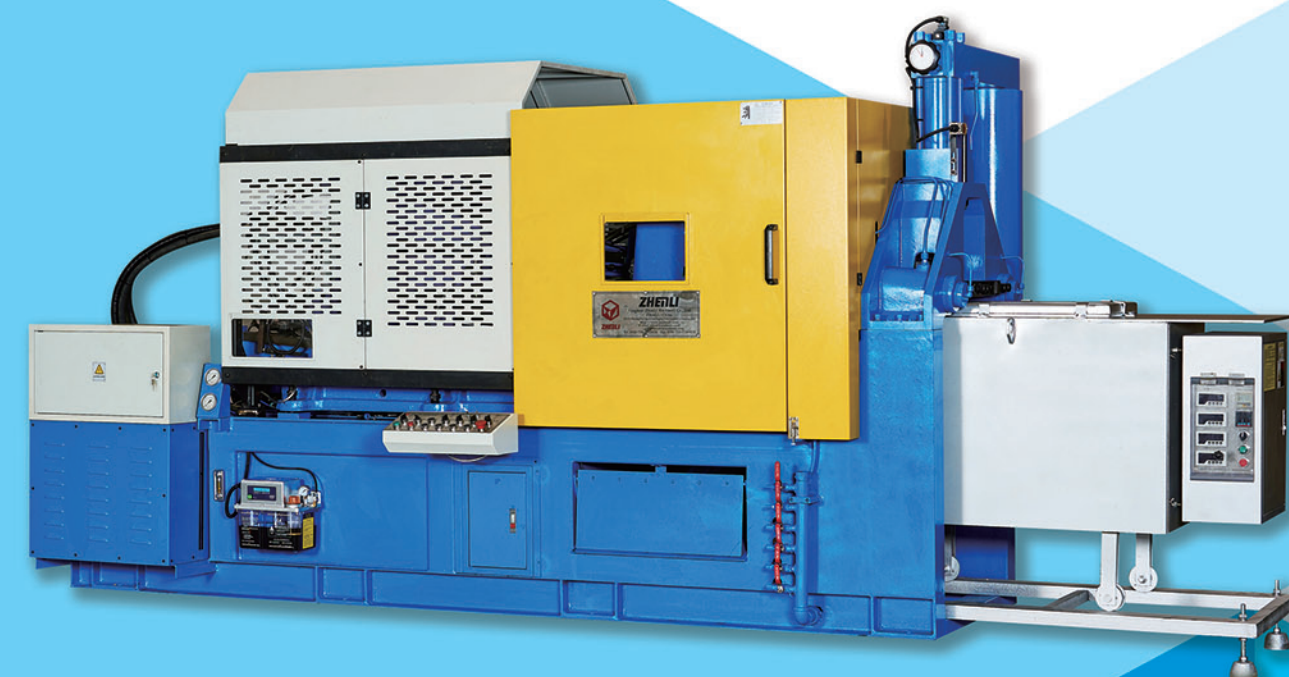
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精益求精 铸造永恒

CHASING FOR THE BEST, CASTING FOR THE CLASSIC

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中国走向世界的国际品牌

A Famous Brand Goes Global From China

江门市振力机械有限公司

Jiangmen Zhenli Machinery Co., Ltd.



振力压铸机

COMPANY

► PROFILE 企业简介

江门振力机械有限公司位于中国摩托车生产基地——江门市棠下镇江沙示范园区，专注于研发、生产、销售高性能精密电脑控制热室压铸机和冷室压铸机。自 2002 年创立以来，经过十多年的探索和发展，振力公司已拥有占地 20000m² 的现代化厂房和进口数控加工中心，大型龙门铣、数控车床、磨床等世界先进加工设备。振力生产的热室压铸机及冷室压铸机已成为中国走向世界的国际领导品牌之一。（本书仅详述热室压铸机）

Located in Jiangsha Industrial District of Jiangmen City, Chinese famous motorcycle production base, Zhenli Machinery Company is a high-tech company specializing in R&D, design, production, and after-sale services. Since its foundation in 2002, after a decade's development and dedication, Zhenli has developed into a modern factory with imported CNC machining center, gantry milling, planer, grinder, and other advanced equipment. The main products of Zhenli including "ZL" series of hot chamber die casting machines, "ZLC" series of cold chamber die casting machines have become one of the world's best selling brands.

产品及服务 Products and Services

1. 精益生产精密电脑控制热室压铸机
2. 致力于压铸机周边自动化产品的研发，提供工厂自动化的整体解决方案
3. 以国内外知名品牌工业机器人（包括 ABB、安川、Fanuc、Kuka 等）为核心设备提供工厂高端自动化

1. Computer controlled hot chamber die casting machine
2. The development of the automatic peripheral equipment and the solution of the machine automation
3. The provision of the world famous robot, including ABB, ANCHUANG, Fanuc, Kuka

产品应用范围 Application Field

广泛适用于玩具、家具用具、建材五金、工业零件、通讯、汽车零件、电子产品、灯具、锁具、电动工具、饰品等行业和领域。

Zhenli machines are widely applied in the sectors of toys, appliances, building materials and hardware, industrial parts, auto parts, electronics, etc. In a word, our machines almost can satisfy all kinds of production of castings.

公司成员团队的组成 Team Members

本公司核心团队由新加坡资深的专业管理团队和压铸机设计专家团队组成

Zhenli has a qualified R&D team consisting of a Singapore professional management team and a die casting machine designer team.

企业文化：塑造人的品质，建立管理根基，企业以人为本，员工以厂为家

企业宗旨：诚信信用的原则，及时敏捷的反应，精益求精的工作，周到满意的服务

企业理念：精益求精，铸造永恒

企业精神：开拓、创新、进取、共赢

愿景目标：在我们所服务的领域成为中国乃至世界的杰出品牌

Company Culture: To Provide A People-Oriented Home for Employees

Company Commitment: Honesty First, Quick Response, High-Quality and Satisfactory Services

Company Philosophy: Chasing for the Best, Casting for the Classic

Company Spirit: Exploitation, Innovation, Enterprise, and Win-Win

Company Goal: To Become A Globally famous brand in the line of die casting machine

选择振力压铸机的三大理由

- 1. 易操作**
配备高品质的智能型电脑控制器，使控制更加稳定可靠，大屏幕液晶显示屏，让操作简易而直观，自主开发的智能图形界面，使得参数设定简单快捷，方便生产及管理。
- 2. 高稳定性 -- 稳定的压射系统**
压射系统采用活塞式储能器，配以横梁式压射系统，压射速度快而稳定，空压射速度达 5m/s 以上，生产质量稳定而有保障。
- 3. 高效率 -- 快速而精准的液控系统**
采用独特的双比例液压集成系统，使得压铸机的响应速度及压力的控制精度得到大大的提升，同时配以特快开锁模结构，使得铸件生产周期比其他同类压铸机更短。

Three Reasons to Choose Zhenli Machine

- 1. Easy Operation**
The machine is equipped with an intelligent computer controller, which makes the control system more stable and reliable; its big liquid crystal screen provides easy operation. Furthermore, our self-developed graphical interface makes the parameter setting easier, and convenient for production management.
- 2. High Stability**
Piston-type accumulator is used for the beam-type injection system, which makes the injection speed high as well as stable. The dry shot speed is bigger than 5m/s. Thus, the production quality can be secured.
- 3. High efficiency**
The unique double-proportional hydraulic system greatly improves the response speed of the machine. Simultaneously, our machines are provided with fast die clamping system, so the production cycle is smaller than others.





振力·中国梦
Zhenli · Chinese Dream

创世界品牌，服务全球经济
To Create A Globally Famous Brand, and to Service the World Economy

振力——中国全面走向世界的国际品牌
Zhenli--A Famous Brand Goss Global from China



振力智能高端压铸机展示会
Zhenli Exhibition of High
Performance Die Casting Machine



振力压铸机包装待发海外
Zhenli Diecasting Machines Being Packed for
Shipment



哥伦比亚
Colombia



阿尔及利亚技术交流
Technical Exchange with Algeria Customers



西班牙
Spain



巴西
Brazil



俄罗斯
Russia



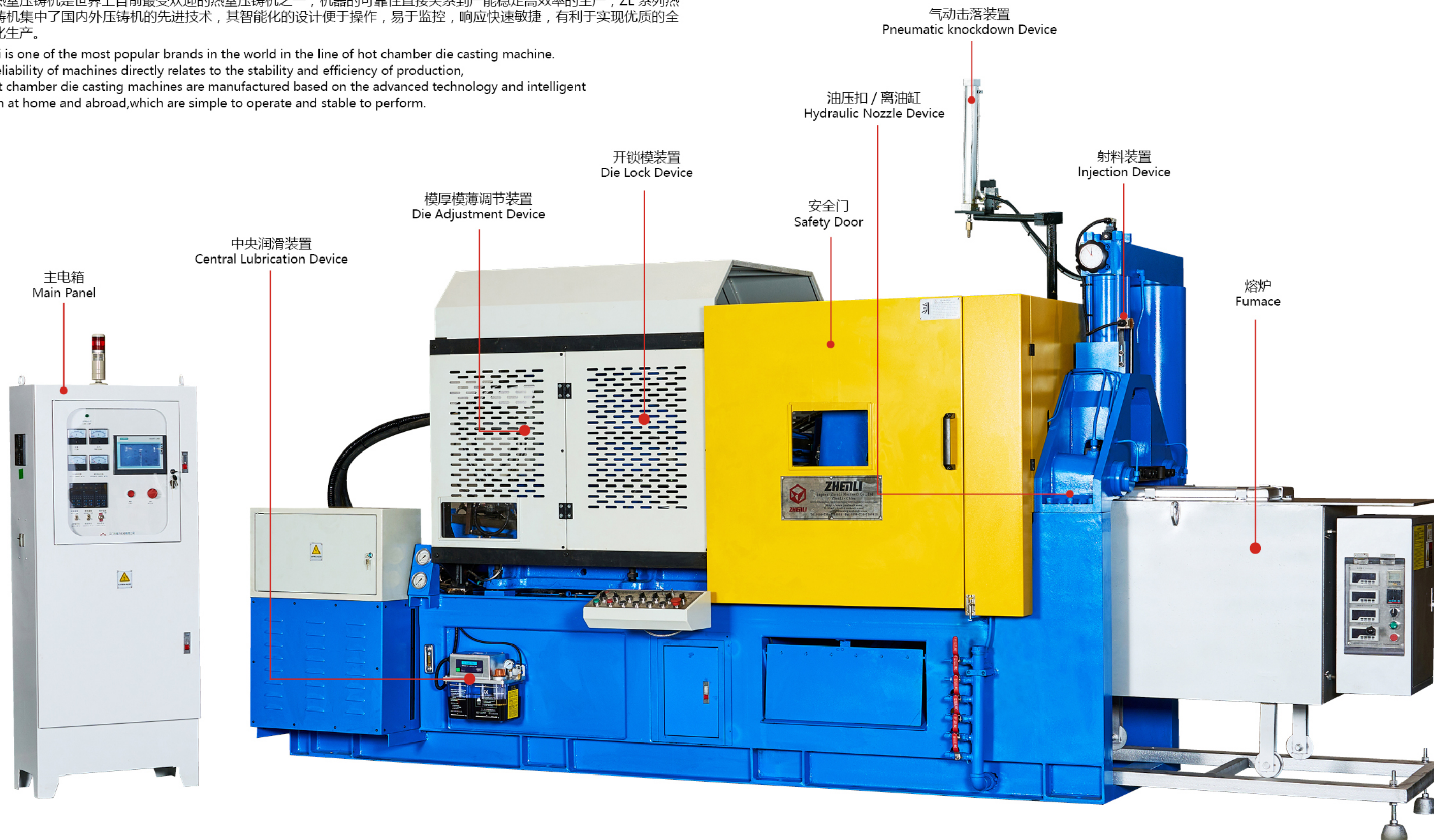
土耳其
Turkey



印度尼西亚
Indonesia

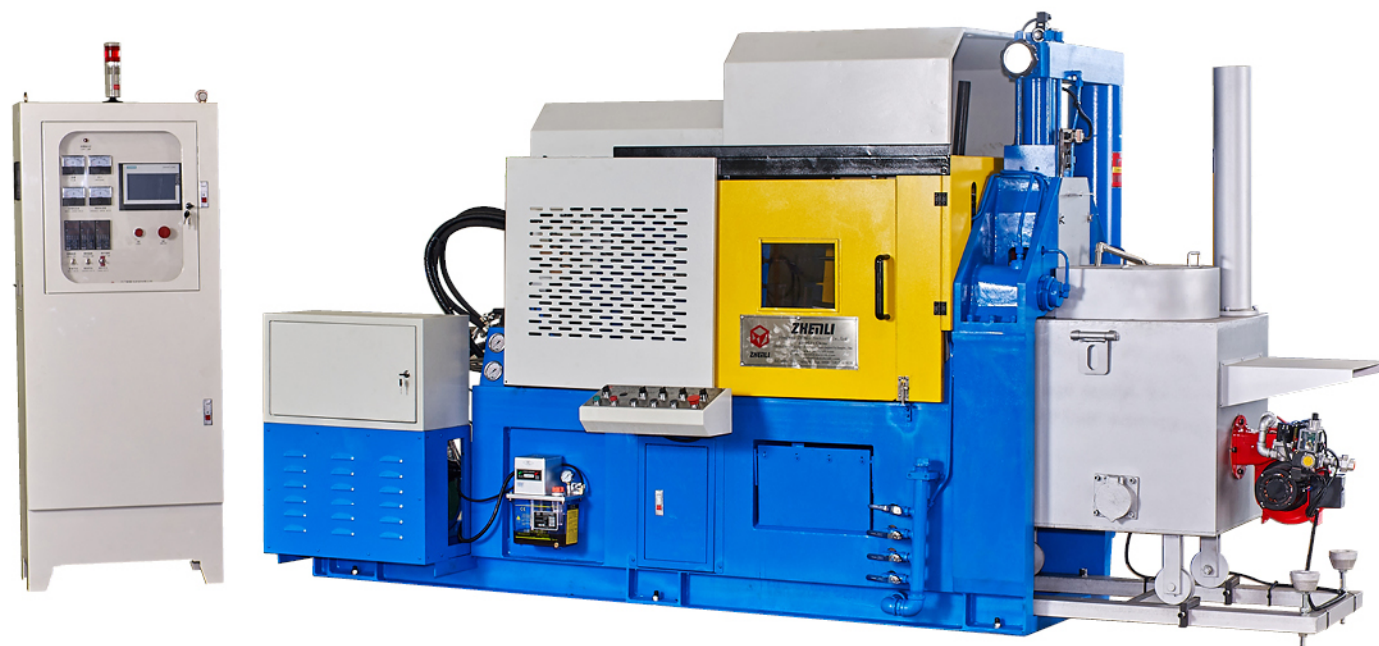
振力热室压铸机是世界上目前最受欢迎的热室压铸机之一，机器的可靠性直接关系到产能稳定高效率的生产，ZL 系列热室压铸机集中了国内外压铸机的先进技术，其智能化的设计便于操作，易于监控，响应快速敏捷，有利于实现优质的全自动化生产。

Zhenli is one of the most popular brands in the world in the line of hot chamber die casting machine. The reliability of machines directly relates to the stability and efficiency of production, ZL hot chamber die casting machines are manufactured based on the advanced technology and intelligent design at home and abroad, which are simple to operate and stable to perform.



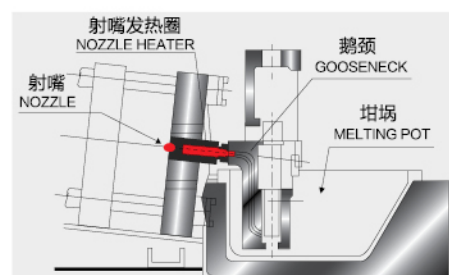
精密电脑控制热室压铸机

ZL High Precision Hot Chamber Die Casting Machine



ZL 系列热室压铸机

ZL Hot-Chamber Die Casting Machine



- 1、射嘴、射嘴身、鹅颈及坩埚采用高温热作材料、耐用可靠。
- 2、射嘴身、鹅颈采用电加热器加热，安全耐用。保持温度稳定，避免塞嘴及因温度变化引至次品产生。

- 1、The nozzle, nozzle body, gooseneck and crucible are made of high-temperature materials, rendering it to be durable and reliable.
- 2、The nozzle body and gooseneck are electrically heated for safety and durability. The temperature can be kept stably to avoid the defective products due to blocked nozzle and change to the temperature.



自动集中润滑系统，直接设定机较运行次数润滑。

The automatic central lubrication system can directly set the cycle times of lubrication for the machine itself.



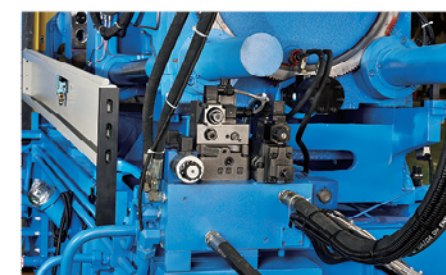
采用世界名厂液压元件，工作稳定可靠、寿命长。

The world's famous hydraulic elements, such as Yuken, Rexroth, Vickers, are used for the machine with aim of stable performance and long life.



ZL 系列热室压铸机

ZL Hot-chamber Diecasting Machine



独特的双比例液压集成系统，采用独立的流量及压力两套比例阀，使开模、锁模、顶针、扣嘴等动作的速度及压力可任意调整。

The unique double-proportional hydraulic system is equipped with independent flow and pressure proportional valves so as to make the speed and pressure for die open, die clamping and ejection adjustable at any time.



日本电子打火炉，火力调校稳定、安全性能高。

Japanese electronic furnace is adopted for stable performance and high safety



水冷式油路冷却器，冷却效能高，可维持特定油温粘度，确保机器性能稳定。

The water cooler used for the oil path provides high cooling performance, which can maintain the specific oil temperature and viscosity to ensure a stable performance to the machine.

精密电脑控制热室压铸机

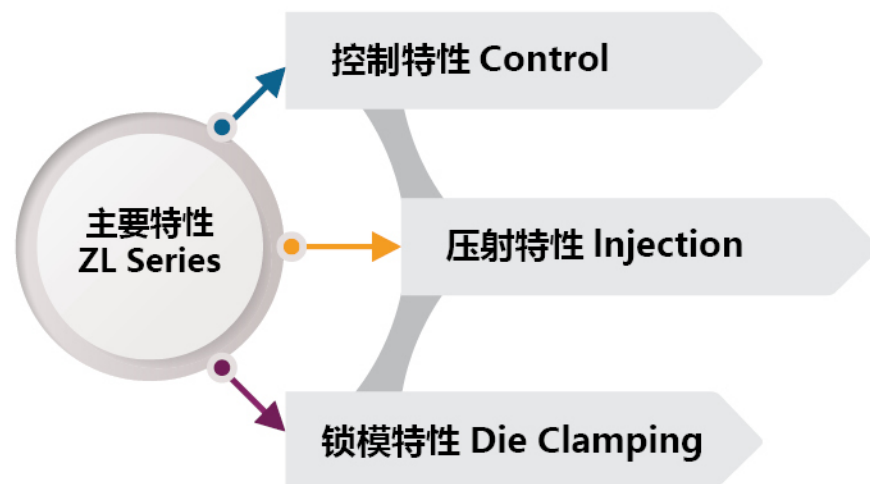
ZL High Precision Hot Chamber Die Casting Machine

主要特性：

振力公司系列精密电脑控制热室压铸机，以其按欧洲标准设计制造的高质量压射、锁模和控制系统，奠定了在行业中技术领先的优势地位。

Main Features:

Zhenli hot chamber die casting machine equipped with high-quality injection, die clamping and control system can meet the requirements of the world class level, which can secure Zhenli's leading position in the same line.



产品特点：

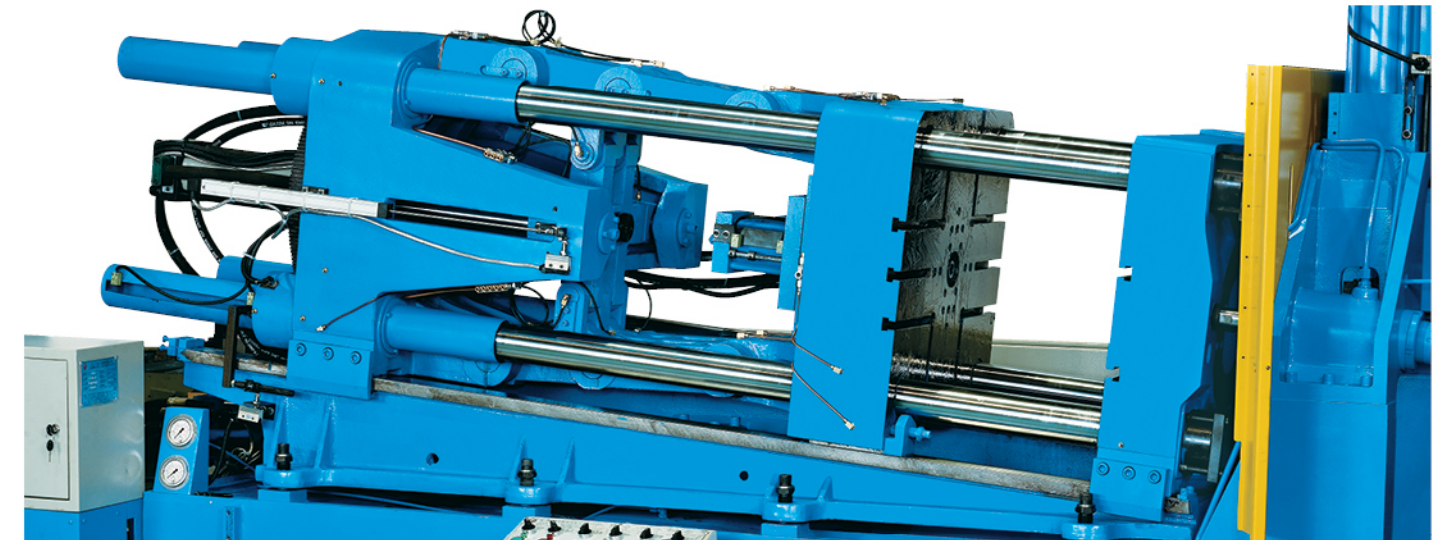
- 1、最大空压射速度 $\geq 5\text{m/s}$
- 2、标准设计，性能卓越，配备活塞式储能器
- 3、采用液压齿轮调模机构，调模平稳
- 4、采用高刚性设计的模版及机铰
- 5、机铰配备自动中央润滑系统，独立调节润滑周期及油量，提高机械寿命及运行可靠性
- 6、精心设计的压射控制系统，适合高品质压铸
- 7、采用独特的双比例液压系统，节能能量及提高生产效益
- 8、独特的特快锁模系统，使生产效率更高

Main Features:

- 1、The maximum dry shot speed is bigger than 5m/s .
- 2、Standard design, excellent performance, and with piston-type accumulators
- 3、Hydraulic gear-type mold adjustment structure is easy for operation.
- 4、Plates and hinges are of high rigidity.
- 5、With an automatic lubrication system, you can adjust the lubrication period and oil volume freely, which can lengthen the working life of the machine.
- 6、The exclusively designed injection system is suitable for all kinds of production of high-quality castings.
- 7、The machine is equipped with unique double-proportional hydraulic system to save energy.
- 8、The fast die clamping system helps to improve efficiency.

超强耐磨高效的锁模机构

High-strength and Efficient Die Clamping Mechanism



主要特性：

- 1、双曲肘机铰锁模机构，高强度的球墨铸铁模板配以 CNC 精密加工，坚固耐用。
- 2、抗磨硬铬高拉力合金钢导柱，耐用可靠。
- 3、低压保护程序，保证模具安全。
- 4、高精度电子尺位置检测，精确控制锁模行程。
- 5、自动前、后移动倾斜锁模系统，可选用定嘴或离嘴方式压铸。
- 6、超大容模空间，实现全自动调节模具厚薄。
- 7、配有油压自动升降模座功能，可选用中心或偏移射出位置。
- 8、电脑与油路配合，实现四段锁模，确保低压锁模阶段发挥保护作用。有效保护模板及模具。

Main Features:

1. The double-toggle hinge locking mechanism is made of high-strength ductile cast iron processed by CNC for security and durability.
2. The anti-corrosion hard-chrome alloy steel guide with high pull force is used for durability and reliability.
3. The low-pressure protection program is adopted to ensure the safety of the dies.
4. High-precision position detection by electronic gauge provides high-precision control of the stroke.
5. The automatic forward and backward moving locking system is equipped for die casting in way of fixed nozzle or moving nozzle.
6. The extremely large space is provided for to realize the automatic adjustment of die thickness.
7. The hydraulic lifting function is provided for choice of center ejection or deviated ejection.
8. The cooperation between the computer and hydraulic system and the realization of four-section die locking ensures the protection for plates and molds at the low pressure stage.

稳定可靠的压射系统

Stable and Reliable Injection System



产品特点：

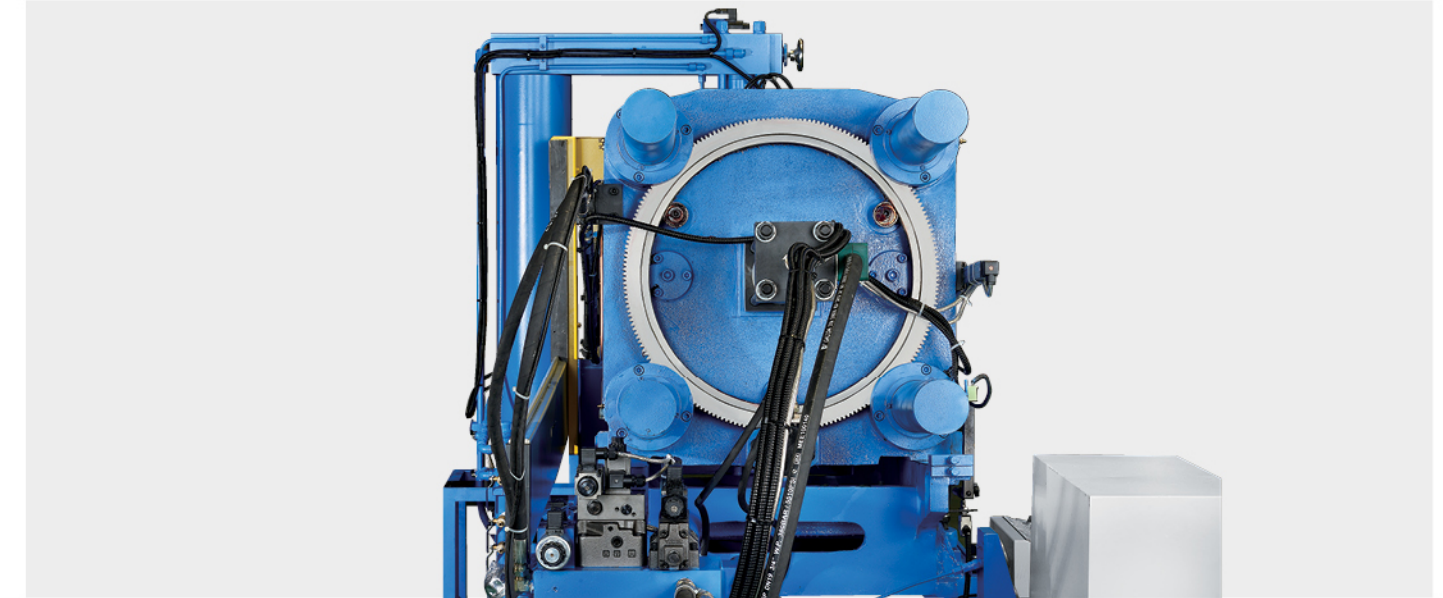
- 1、采用活塞式储能器，配以横梁式压射系统，实现快速填充，寿命长，使用稳定，维修方便
- 2、独创的新概念二速射料油路设计，其中慢速射料采用比例控制，可数控制调整快慢，适合生产一切高品质之压铸件
- 3、先进的压射系统实现稳定有效的压射速度，空压射速度达 5m/s 以上
- 4、熔炉采用数字式温度控制，熔料温度，可准确调校，保持生产稳定及延长热作件寿命

Main Features:

- 1、The piston-type accumulator equipped with the beam injection system features in speedy filling, long lifetime, stability and convenience for maintenance.
- 2、The unique new-concept fast injection oil path design is adopted, among which the slow injection is controlled by proportional valve and adjustable digital, which can meet all kinds of requirements of production.
- 3、The advanced injection system ensures stable injection speed, and the dry shot speed is bigger than 5m/s.
- 4、The furnace is controlled by temperature digitally, and temperature can be adjusted easily, so as to keep production stable and to lengthen the working life of the hot-work part.

快速而精准的调模系统

Fast and Precise Mold Adjustment System



产品特点：

- 1、采用液压齿轮调模机构，操作简单，调模平稳
- 2、智能自动调模模式，精确计算容模位置，方便更换模具，提升效率

Main Features:

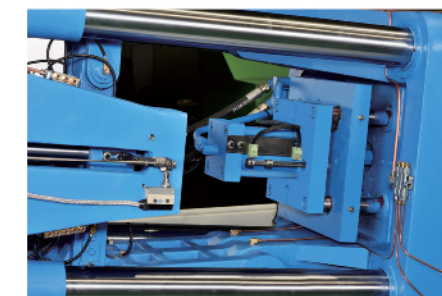
- 1、Hydraulic gear-type mold adjustment structure is easy for operation
- 2、The intelligent mold adjustment program can precisely calculate the space for receiving a mold so as for easy change and enhancement of efficiency.



压射位置 Injection Position

设计配备两个射料位置，在模具设计及生产上为客户提供更多选择

Two injection positions are available, which can offer one more choice for customers in mold design and production.



顶出机构 Ejection Mechanism

- 1、独特的顶出机构设计，顶出平稳快捷
- 2、配以倒拉杆孔位设计，适合顶出自动复位模具

- 1、In an exclusive structure, the machine can eject stably and fast.
- 2、Pull-bar design is suitable for those molds which can reset automatically.

先进的控制系统 Advanced Control System

产品特点：

配置高品质的智能型电脑控制器，使得控制更加稳定可靠

Main Features:

With a high-quality intelligent computer controller, the machine can work stably and reliably.



台湾盟立 MH9118 控制系统
Taiwan Mirle MH9118 Control System



西门子 S-7 200/300 控制系统 (可选购)
Siemens S-7 200/300 Controller Sytem(Optional)

电器控制部分

- 1、配有整体式及独立式两种电箱，方便用户选择布置。
- 2、人工智能型电脑控制，可控制及监视每个动作的动作数据与状态，方便操作及检修。
- 3、大屏幕液晶显示屏，中、英两种语言转换。
- 4、强大记忆功能，可储存 120 组模具成型资料，如时间、次数、速度、压力、行程、模具厚度，选择条件等。
- 5、拥有电脑硬件故障自检报警功能及机械故障报警显示功能，便于排除机器故障。
- 6、输入及输出检视功能，并配以 LED 灯显示。
- 7、锁模采用高精度电子尺定位检测、位置控制精度可达 0.1mm
- 8、自动记录生产时间和批量，成型数的批量设定配给自动停机。

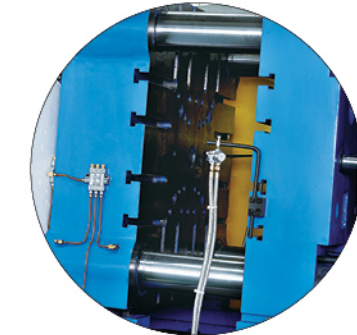
Electrical control Parts

- 1、The integrated and separated electrical cabinets are available, easy for arrangement.
- 2、The intelligent computer is adopted to control and monitor the data and status of each action, easy for operation and maintenance.
- 3、The big liquid crystal screen can realize the conversion of multiple languages, such as Chinese, English, Russian, and so on.
- 4、The Powerful memory can store molding data, such as time, times, speed, pressure, stroke, mold thickness, options and so on.
- 5、The control system is equipped with self-check and failure alarm function, which is convenient for troubleshooting.
- 6、The input and output monitoring function is provided with LED indicators.
- 7、Die clamping system is equipped with electric ruler which is used for position test, and the accuracy can be reached 0.1mm.
- 8、The production time and batch are recorded automatically so that the machine can stop working automatically based on the set quantity.

精密型热室压铸机配置 Configurations for ZL Series High Precision Hot Chamber Die Casting Machine



气动击落装置
Pneumatic Knockdown Device



自动喷雾装置
Automatic Sprayer



电熔炉
Electric Furnace



自动门装置
Automatic Safety Door

标准配置 Standard Configuration

① 二速射料系统 Two-Step Speed Injection System	② 快速锁模 Fast Die Locking	③ 低压锁模保护 Low-pressure Die Locking Protection	④ 自动调模 Automatic Mold Adjustment
⑤ 自动集中润滑系统 Automatic Central Lubrication System	⑥ 液压扣嘴装置 Hydraulic Nozzle Device	⑦ 液压多次顶出 Multiple Hydraulic Ejection	⑧ 电加热喷嘴、鹅颈 Electric-heated Nozzle and Gooseneck
⑨ 斜台锁模 Inclined Die Locking	⑩ 工业柴油熔炉 Diesel-fired Furnace	⑪ 台湾盟立控制系统 Taiwan Mirle Control System	

选购装置 Optional Devices

① 西门子 S-7 200 控制器 Siemens S-7 200 Controller	② 西门子 S-7 300 控制器 Siemens S-7 300 Controller	③ 电熔炉 Electric Furnace	④ 液压升降装置 Hydraulic Lifting Device
⑤ 气动击落装置 Pneumatic Knockdown Device	⑥ 自动喷雾装置 Automatic Sprayer	⑦ 气动门装置 Pneumatic Safety Door	⑧ 自动喷雾、取件机械手 Automatic Robot and Sprayer
⑨ 自动输送带 Automatic Conveyor			

伺服节能型热室压铸机

ZL Energy-Saving and Servo Hot Chamber Die Casting Machine

振力是中国首家将伺服节能技术运用于热室压铸机的生产企业，伺服节能技术是热室压铸机领域驱动技术的一项重大突破，利用伺服电机快速的无极变速驱动器的双闭环控制的特点，通过改变电机转速实现相应的流量，通过输出不同的转矩做出压力调整，从而达到重复精度高，响应速度快，节能效果好。

Energy-saving servo technology is an important breakthrough in the field of hot chamber die casting machine hydraulic drive. By means of the drive's double close loops, we can use the drive to change speed quickly, so as to realize the change of flow correspondingly. Moreover, the pressure can be adjusted automatically through the output of different torques, which helps to achieve high accuracy, high response and good effect.



伺服控制系统
Servo Control System



伺服泵系统
Servo Pump



节能 专业 先进控制
Energy-Saving Professional Advanced

节能 **40%-70%**
Energy Saving rate is 40%-70% higher

主要性能特点：

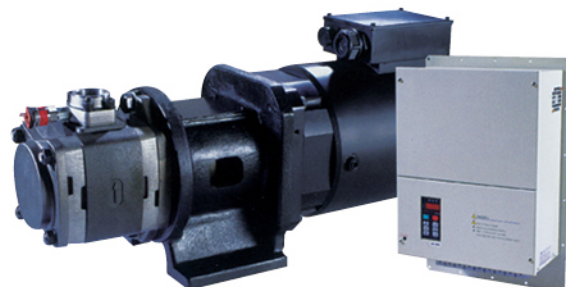
- 1、单模次节能效率高，比传统压铸机节能 40%-70%。
- 2、伺服系统采用闭环压力控制，响应时间快，0-100 压力变化最快可达 30ms，显著提高生产效率。
- 3、降低液压油温，减少冷却水的消耗量。
- 4、降低噪声，改善工作环境。
- 5、液压元件的使用寿命更长，减少维修率。

Main Features:

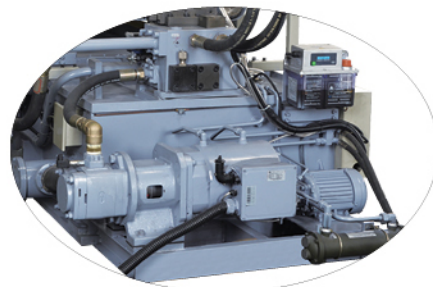
- 1、The energy saving rate of each shot is very high, 40%-70% higher than the traditional machines.
- 2、Servo system can response quickly, and the pressure change between 0 and 100% can reach 30ms, significantly improve production efficiency.
- 3、Servo system can reduce the hydraulic temperature and then reduce the use of cooling water.
- 4、Servo system can reduce noise and improve your working environment.
- 5、Prolong the working life of hydraulic parts and reduce the cost of maintenance.

• 油冷式液压伺服系统

Oil Cooling Type Hydraulic Servo System



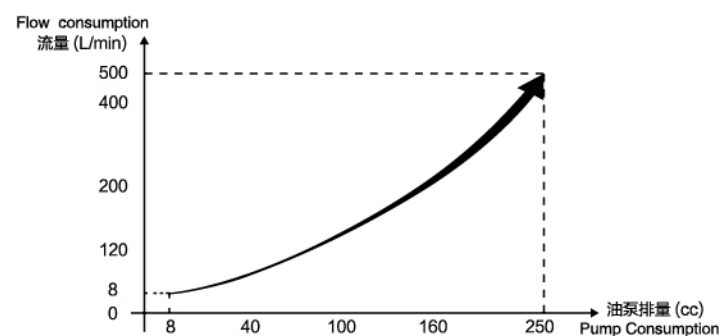
油冷散热方式 - 环境适应性强
Oil Cooling Method: Environmentally Adaptable and Friendly



油冷式伺服泵
Oil Cooling Type Servo Pump



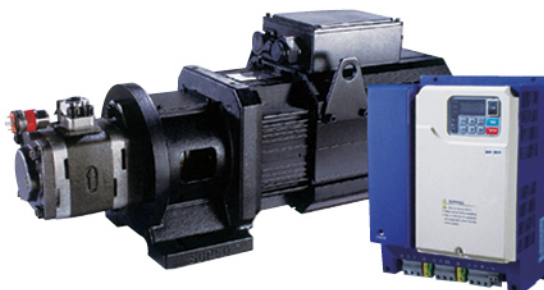
伺服控制系统
Servo Control System



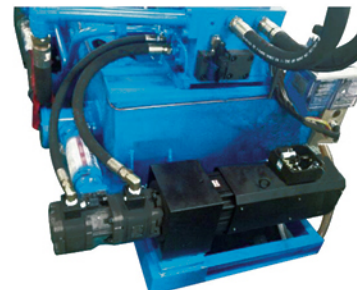
- 1、摩特尼系统单泵流量从 8L/min 到 500L/min
 - 2、最大压力从 70bar 到 350bar
 - 3、摩特尼系统提供多样化的压力和流量组合
 - 4、更适应各行业设计者的使用要求和工艺需求
- 1、The flow of single pump is between 8L/min and 500L/min.
 - 2、The biggest pressure is between 70bar and 350bar
 - 3、The system provides comprehensive groups of pressure and flow.
 - 4、Meets the requirements of designers in all walks of life.

• 风冷式液压伺服系统

Air Cooled Type Hydraulic Servo System



风冷式散热方式 - 效率高，外观好
Cooling Method-High Efficiency and Good Looking

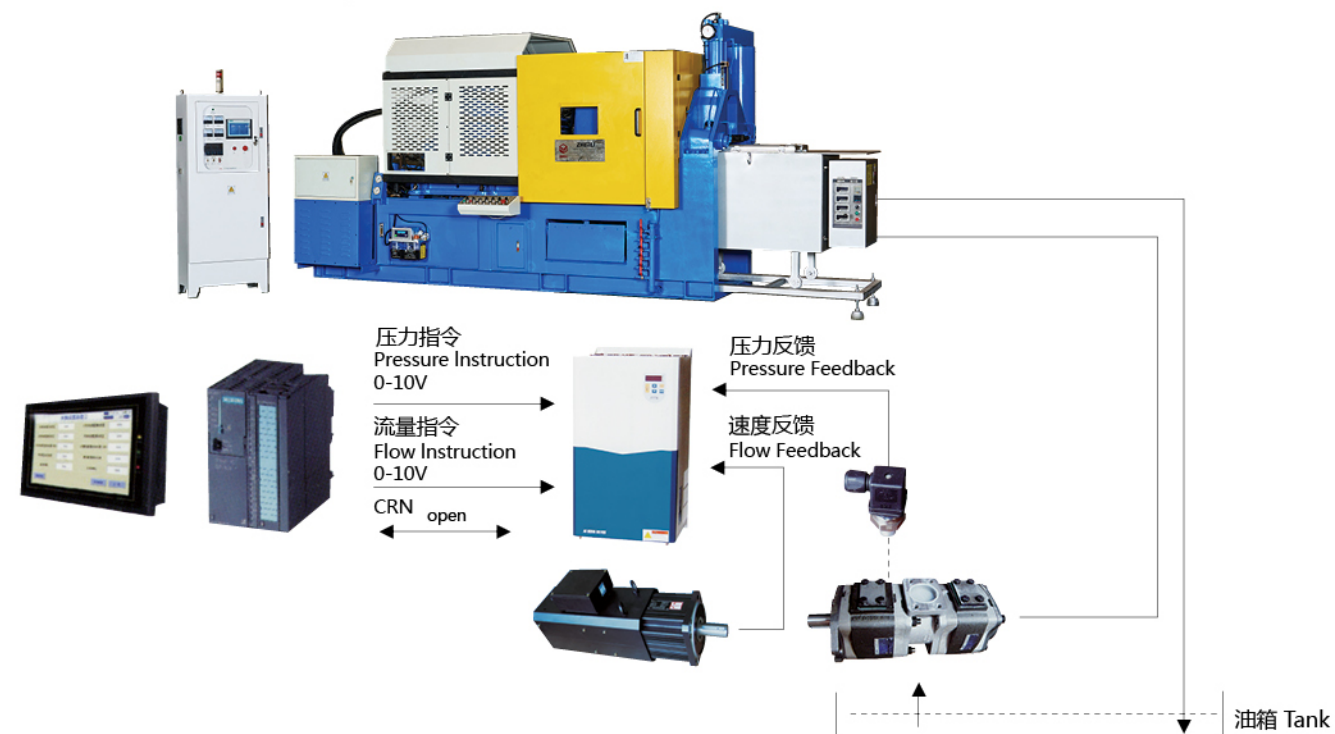


风冷式伺服泵
Air Cooled Type Servo Pump

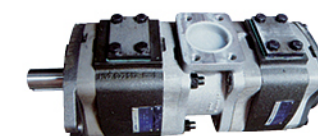
• 伺服驱动系统

Servo Driven System

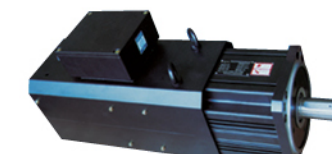
- 单泵伺服驱动系统
- 双泵伺服驱动系统
- Single Pump Servo Driven System
- Double Pump Servo Driven System



单泵
Single Pump



双泵
Double Pump



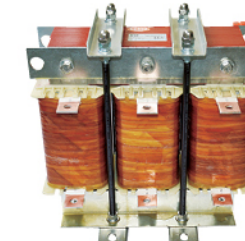
电机
motor



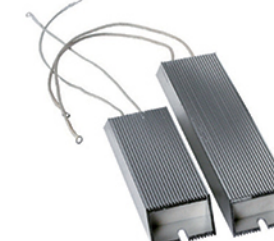
压力传感器
Pressure Sensor



驱动器
Driver



电抗阻
Reactance



刹车电阻
Brake

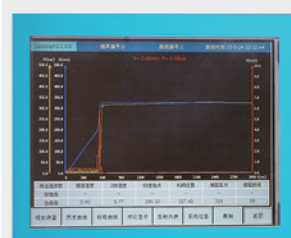
• 周边设备（选配设置） Peripheral Equipment(Optional)

振力为客户提供高度集成的、高度自动化的、高效率的综合压铸单元

Zhenli is dedicated to provide customers with highly integrated, automatic and efficient die casting machines.



先进专业的西门子
S-7 200 控制系统
Advanced Siemens-7 200
Control System



具有 SPC 显示功能
的压铸监控系统
Injection Monitor System
with SPC Function



嵌入式熔炉电热装置
Embedded Heating Device
for Electric Furnace



油压切边机
Hydraulic Trimming Machine

智能机器人 - 为您提供高效灵活的自动化解决方案 Intelligent Robot-Offering You Flexible and Automatic Services



Kawasaki Robot 机器人



ABB Robot 机器人



FANUC Robot 机器人



模温机
Mold Temperature Controller



不锈钢传输带
Stainless Steel Conveyor



喷雾、取件机械手
Robot for spray and Extractor



离型剂混合机
Releasing Agent Mixer

性能特点：

- 本设备是以电，气为动力的自动生产设备，直进直出依靠伺服及线性导轨作高速运动，最大限度地节省取件时间，达到提高生产效率的目的。
- 操作简易，可手动及自动运行，通过面板人机界面可在现场修改各种调机参数，具有自动故障诊断功能，出现故障时有故障提示显示在数字显示器上，方便快速处理故障异常。
- 可与压铸机联动实现全自动生产，也可压铸机单机运行。
- 具有激光光电开关检测功能，产品如不能成功取出，压铸机将停止运行并报警提示，确保模具安全。
- 具有多种喷雾功能选择，速度及次数可以通过人机界面设置；根据不同的产品需要的喷雾效果。
- 具有横前待机功能，顶前夹取及顶后夹取功能，可根据不同生产需要设置待机模式。

- This equipment is an automatic production equipment powered by electricity and gas, straight in and out relying on servo and linear guide rail for high-speed movement, to maximize the time of pick-up, to achieve the purpose of improving production efficiency.
- Easy to operate, manual and automatic operation, through the panel man-machine interface can modify various adjustment parameters online, with automatic fault diagnosis function, fault prompt display on the digital display when faulty, convenient to quickly deal with fault abnormalities.
- It can be linked with the die-casting machine to achieve fully automatic production, and the die-casting machine can also be single-motorized.
- With laser photoelectric switch detection function, if the product can not be successfully taken out, the die casting machine will stop running and alarm prompt, to ensure the safety of the mold.
- With a variety of spray function options, the speed and frequency can be set through the man-machine interface; The spray effect required according to different products.
- With horizontal front standby function, top front clamping and top back clamping function, standby mode can be set according to different production needs.



中央配汤机
Centralized Melting Furnace

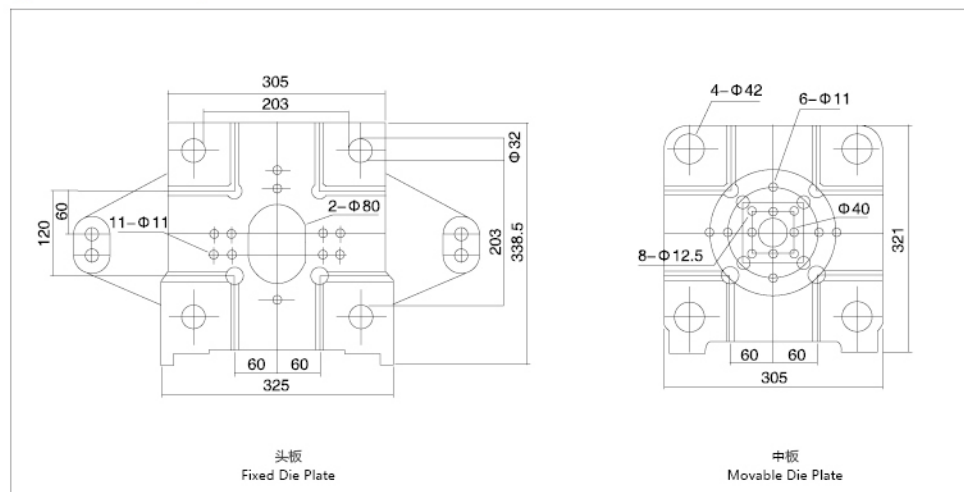
参数表 Technological Data

项目 ITEM	Unit	ZL-12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
锁模力 Locking Fore	KN	120	200	300	600	900	1300	1800	2000	2300	2800	4000
锁模行程 Die Stroke	mm	100	125	190	225	268	310	385	370	415	500	550
顶出压力 Ejection Force	KN	12	20	35	50	60	70	90	110	130	130	180
顶出行程 Ejection Stroke(Max)	mm	40	50	55	65	65	75	88	100	100	128	120
容模厚度 Die Thickness (Min-Max)	mm	100-200	100-260	100-305	120-325	140-350	170-460	190-505	250-560	200-650	220-650	300-750
导柱直径 Tie Bar Diameter	mm	30	40	45	50	60	75	85	90	100	100	130
柱间空位 Space Between Tie Bars	mm	175×200	280×230	275×275	309×309	360×360	410×410	450×450	510×510	530×530	560×560	620×620
射出位置 中心 / 偏心 Shot Position	mm	0,-30	0 130	0,-40	0,-50	0,-50	0,-80	0,-80	0,-100	0,-100	0,-100	0,-125
压射行程 Plunger Stroke	mm	50	85	120	130	130	150	150	175	200	180	230
离嘴行程 Traverse Stroke	mm	105	170	180	200	210	210	210	210	300	210	340
射出力 Injection Force (Max)	KN	11	27	42	65	65	90	108	130	155	158	182
锤头直径 Diameter Of Plunger	mm	30 32	36 40	36 40	45 50	50 55	55 60	60 65	65 70	70 75	70 75	80 90
最大射出量 Max..Shot Weight (Zn)	Kg	0.17 0.20	0.35 0.4	0.58 0.68	0.9 1.0	1.2 1.4	1.8 1.95	1.9 2.3	2.85 3.32	2.95 3.6	3.1 3.8	5.5 7.0
系统压力 Hydraulic Pressure	Mpa	6	11.0	12.5	13.0	13.0	14.0	14.0	14.5	14.5	14.5	14.5
电机功率 Motor Power	KW	4	5.5	7.5	7.5	11	15	18.5	18.5	18.5	22	22
坩埚容量 锌 Crucible Capacity (Zn)	Kg	110	130	260	320	400	400	400	400	500	550	820
蓄能器容量 Capacity Of Accumulator	L	8.5	10	12.5	16	20	25	25	30	30	30	40
熔炉 Furnace	燃油 Diesel-fired Furnace	Kg/h	1.5	3.2	3.5	4.8	4.8	4.8	6.3	6.3	6.3	11.2
能耗量 Energy Consumption	电炉 Electric Furnace	KW	6	20	25	30	30	30	30	30	40	40
油箱容量 Capacity Of Oil Tank	L	150	160	190	210	220	250	310	400	450	450	800
外形尺寸 Machine Size (L×W×H)	mm	2410×950×1770	3000×1200×1620	3320×1400×1800	3570×1450×1880	4050×1550×1920	4260×1550×2030	4700×1600×2030	5300×1520×2500	5100×1620×2300	4950×1750×2350	6800×1950×2800
机器重量 Weight Of Machine	Kg	1500	2000	2600	3100	4200	5000	6200	7600	8900	10500	17400

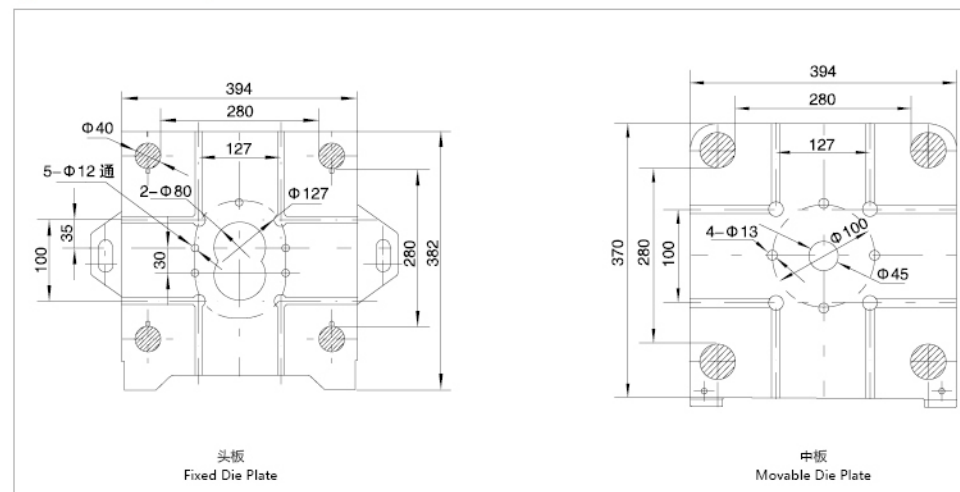
* 机器外形尺寸不包括分体式电箱
* 保留权利作出任何技术资料修改而不另行通知

The machine dimension does not include simple control cabinet
We reserve the right to make any technical improvement without further notice

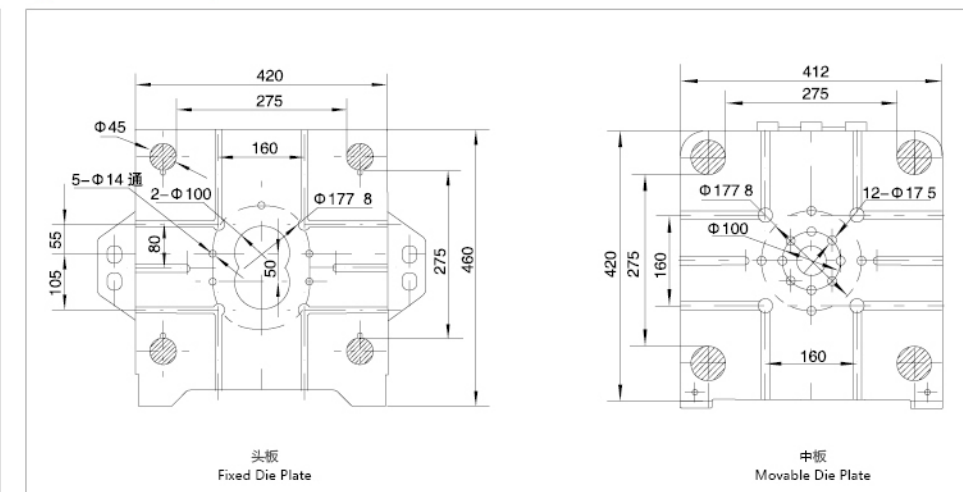
◆ ZL-12



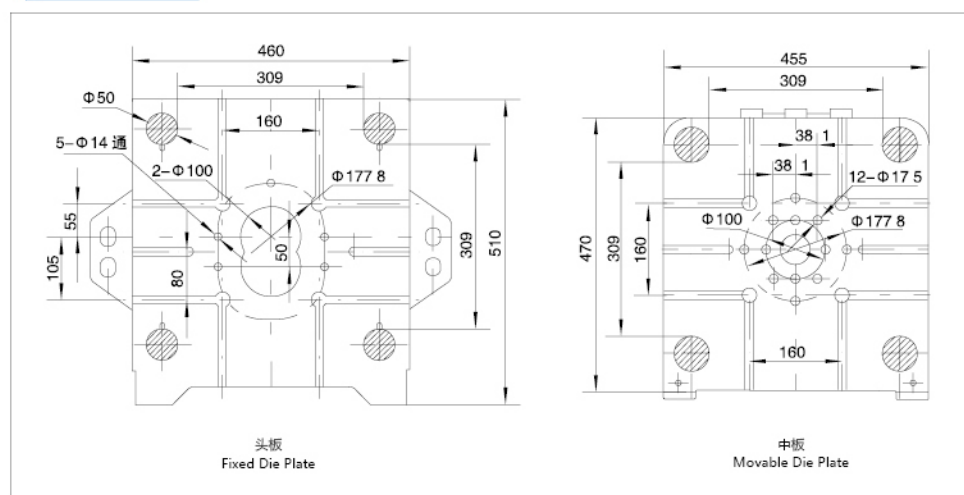
◆ ZL-20



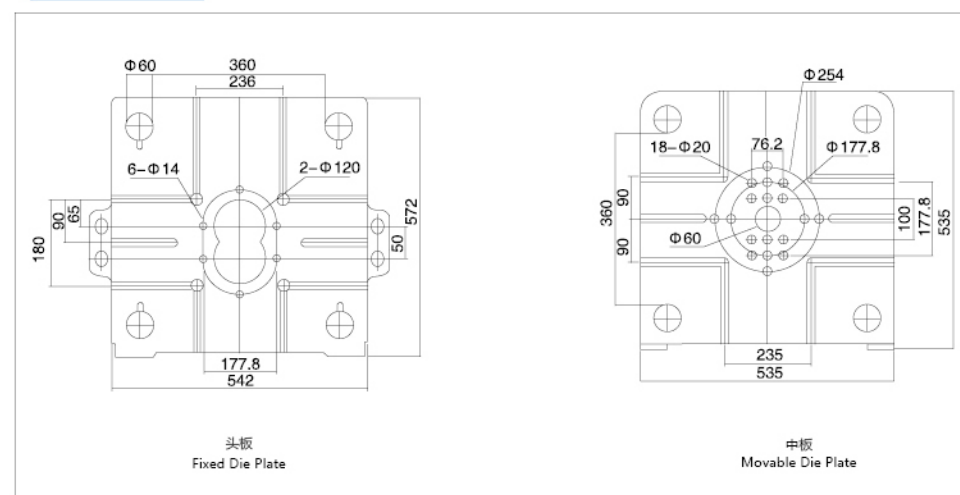
◆ ZL-30



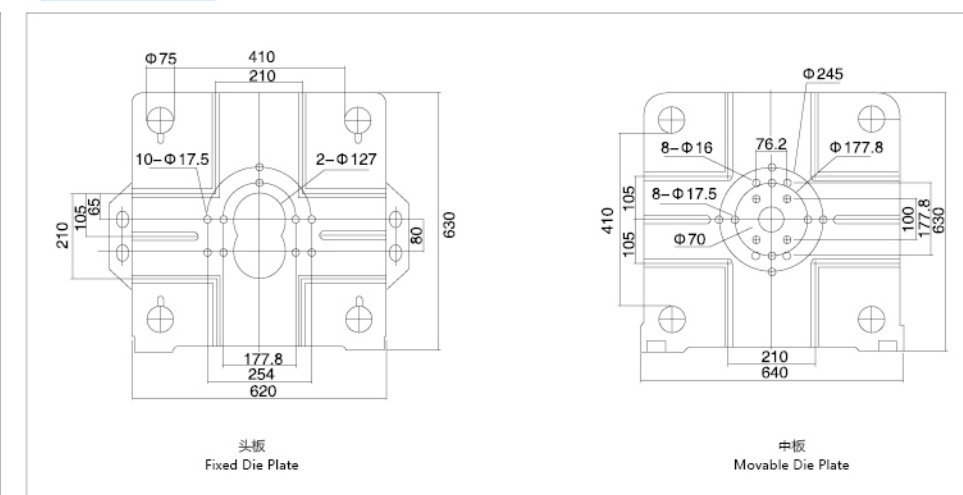
◆ ZL-60



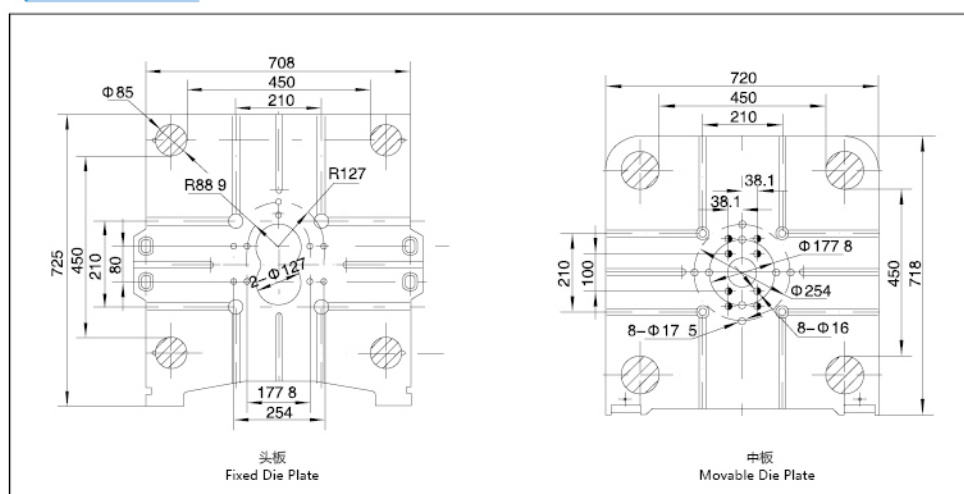
◆ ZL-90



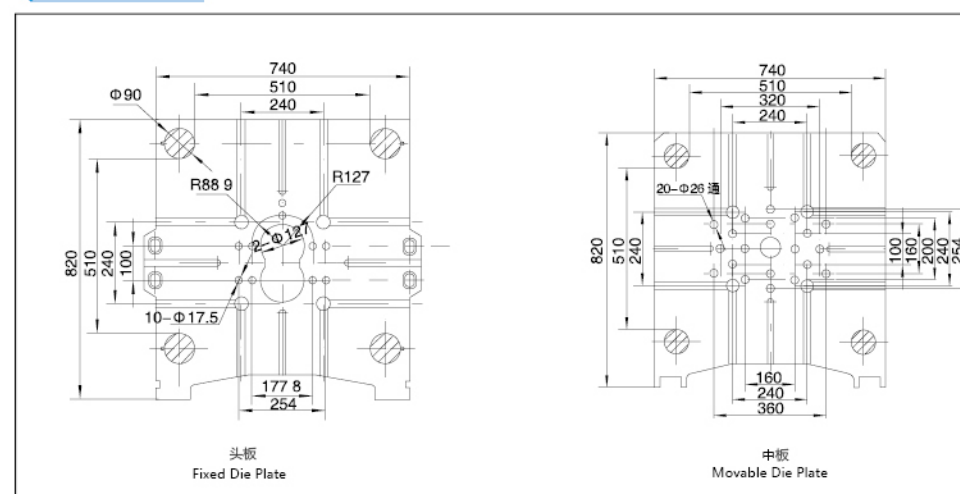
◆ ZL-130



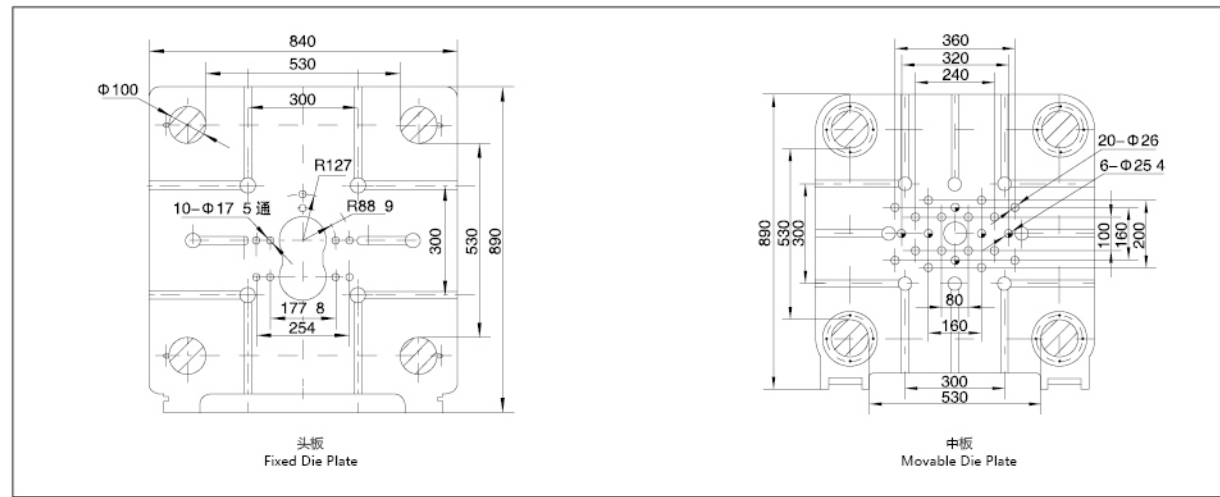
◆ ZL-180



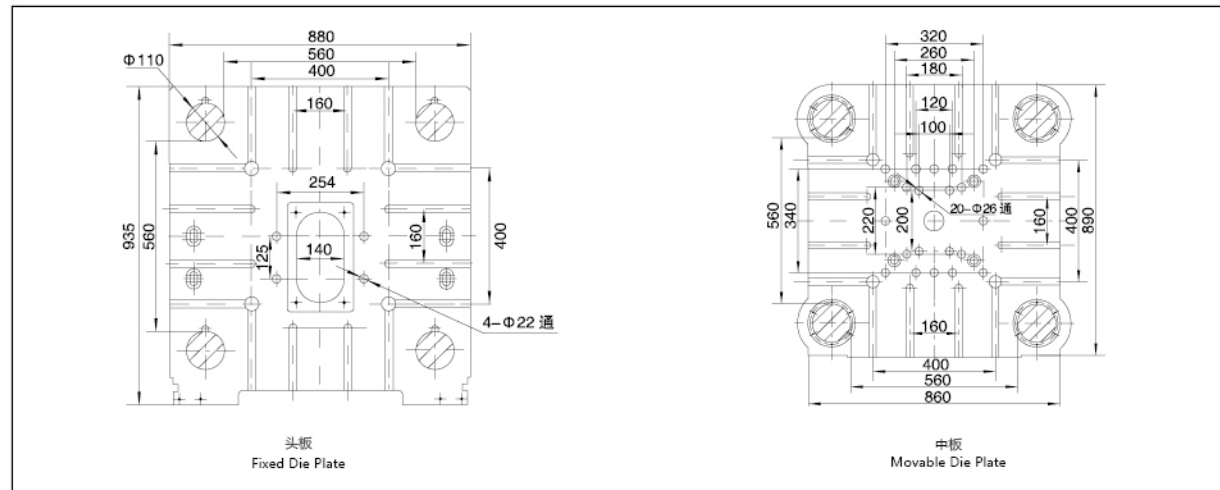
◆ ZL-200



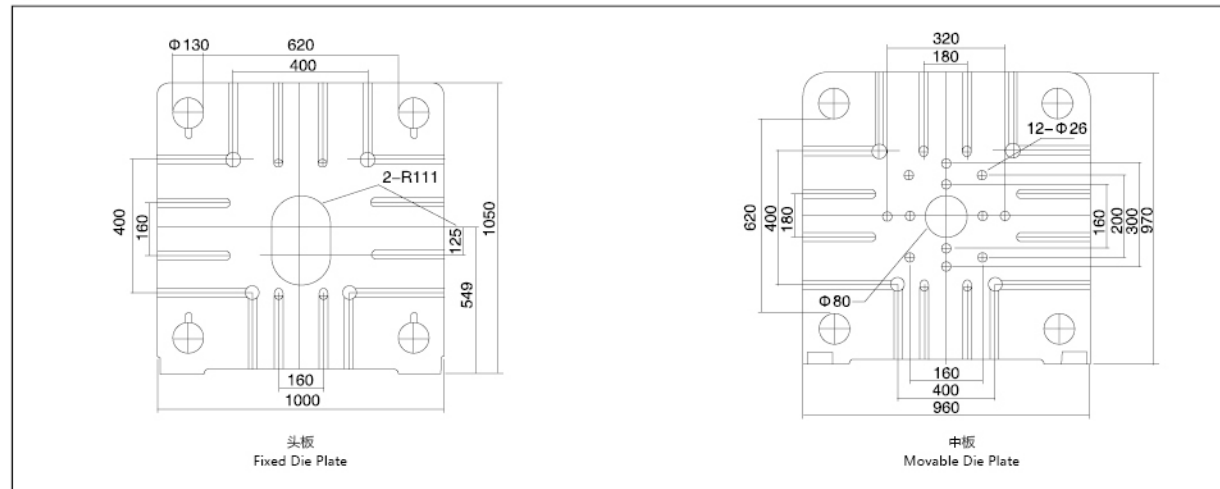
◆ ZL-230



◆ ZL-280



◆ ZL-400

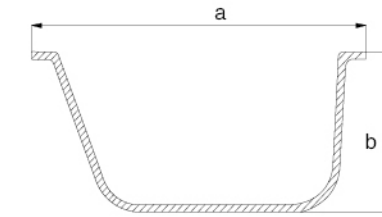


振力压铸机热作件系列

Hot Work Spare Parts for Hot Chamber Die Casting Machine

振力系列热作件采用优质的材料，配合精良的加工工艺，先进的检测设备及完善的检测手段全程控制，品质优良，使用寿命长。
The hot work spare parts for hot chamber die casting machine are made of quality materials, and processed and inspected devices, which can ensure their good quality and long working life.

坩埚系列 Crucible Series



性能特点：

采用耐高温、耐腐蚀合金铸铁材料精制而成，产品的使用寿命特长。

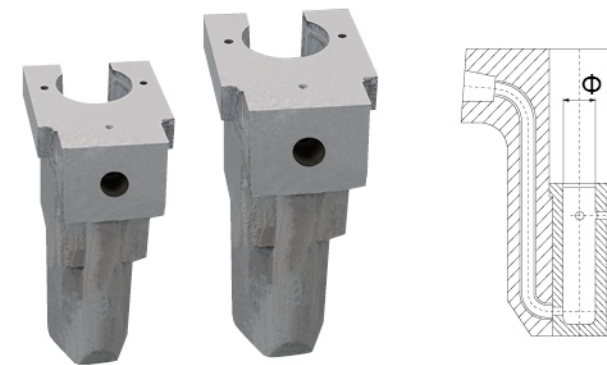
Main Features:

Made of high-temperature and corrosion-resistant cast iron, providing a long lifetime.

技术参数表 Technological Data

机器型号 Model No.	ZL12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
a 尺寸 (mm) a Dimension	560	695	726	830	920	920	920	865	865	865	1100
b 尺寸 (mm) b Dimension	320	260	360	400	420	420	420	532	532	532	680
坩埚容量 (Capacity KG/ZN)	110	130	260	320	400	400	400	550	550	550	820

鹅颈系列 Gooseneck Series



性能特点：

鹅颈：采用特殊的合金材料配制，产品的致密性和强度都得到大幅度的提高，坚固耐用，使用寿命长。
司筒：采用优质的热作模具钢材，配合优化的热处理工艺，充分保证了产品的耐磨性，使用寿命更长。

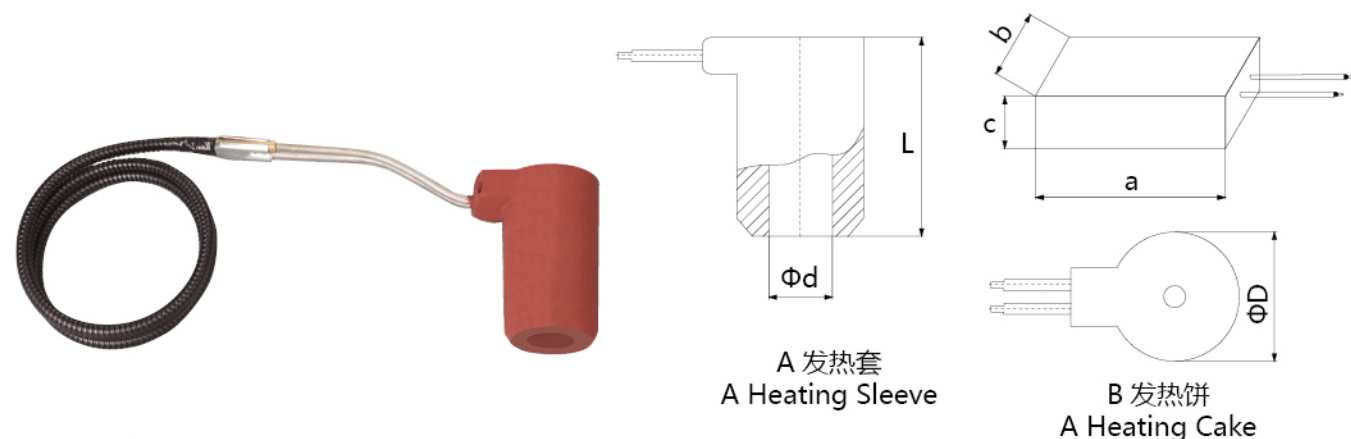
Main Features:

Gooseneck: It is made of special alloy material so that the compactness and strength can be enhanced greatly for the purpose of durability and long lifetime.
Sleeve: Made of quality hot work steel, after heat treatment, the sleeves possesses high abrasion and corrosion and a long service life.

料壶 司筒内径尺寸表 Inner Diameters of Cattle and Sleeves

机器型号 Model No.	ZL12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
标准 (Φmm) Standard	36	40	40	45	50	55	60	65	70	70	80
备选 (Φmm) Optional	30	36	45	50	55	60	65	70	75	75	85

发热套, 发热饼, 发热管系列 Heating Sleeve, Heating Cake and Heating Tube Series



性能特点:

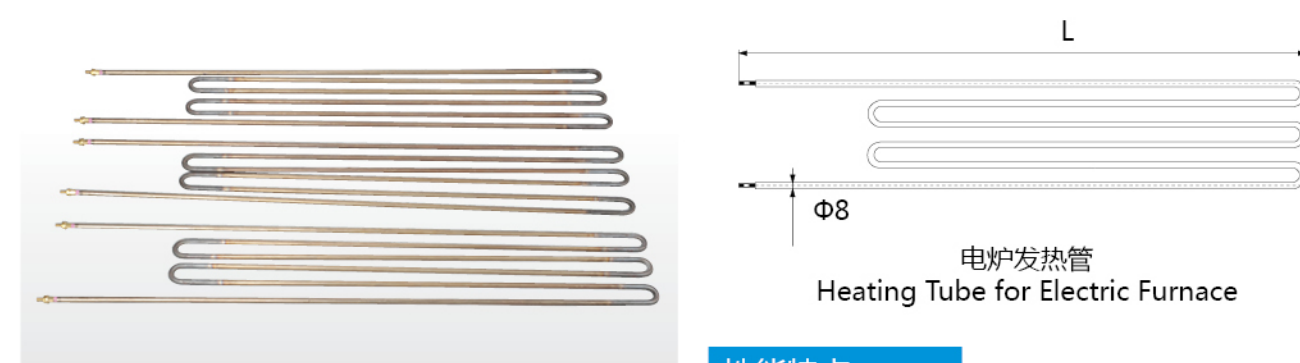
采用进口电热丝绕制, 功率分配合理, 可以保证射嘴身, 鹅颈加热均匀, 温度稳定。

Main Features:

Made of imported electric heating wire with reasonable power distribution, which can ensure the nozzle body and gooseneck can be heated evenly with stable temperature.

发热套, 发热饼参数表 Technological Data

机器型号 Model No.	ZL12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
A 发热套 (Φd×L) Heating Sleeve	35×110	36×145	42×153	42×153	48×181	48×221	48×221	60×285	65×330	65×310	65×379
B 发热饼 Heating Cake (a×b×c or ΦD×H)	130×100×55	130×100×55	130×100×55	150×58	150×58	150×58	150×58	170×60	170×60	170×60	170×60



性能特点:

采用进口电热丝绕制, 功率分配合理, 可以保证电熔炉加热均匀, 温度稳定。

Main Features:

Made of imported electric heating wire with reasonable power distribution, which can ensure the nozzle body and gooseneck can be heated evenly with stable temperature.

发热管参数表 Technological Data

机器型号 Model No.	ZL-12 ZL-20	ZL-30	ZL-60~ZL-400
发热管尺寸 (Φ8×L) Dimension	Φ8×770	Φ8×870	Φ8×940

射嘴头系列 Nozzle Series



射嘴头内径尺寸 Inner Diameter of Nozzle

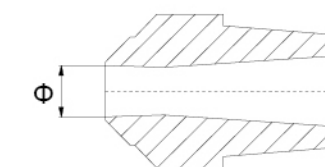
机器型号 Model No.	ZL12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
标准 (Φmm) Standard	3	4	5	7	8	11	13	13	12	12	14
备选 (Φmm) Optional	3.5	5	6	8	9	12	14	11	10、11	11、13	13、15

射嘴身系列 Nozzle Body Series



射嘴身外形尺寸 Outer Diameter of Nozzle

机器型号 Model No.	ZL12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
a (mm)	170	220	228	228	256	296	296	406	445	415	508
b (mm)	35	36	42	42	48	48	48	60	65	65	65



性能特点:

采用进口优质热作钢材经过真空淬火处理, 硬度均匀, 使用寿命长。

Main Features:

Made of high-quality hot work steel, quenched under high pressure in vacuum, to ensure even hardness and a long working lifetime.



性能特点:

采用进口优质热作钢材, 配合优化的热处理工艺, 增强了产品的耐高温, 耐腐蚀的性能, 使用寿命更长。

性能特点:

Made of quality hot work steel, after heat treatment, the nozzle body possesses high abrasion and corrosion and a long service life.

钢铃 锤头 锤柄系列 Steel Rings, Plunger and Plunger Rod Series



性能特点：

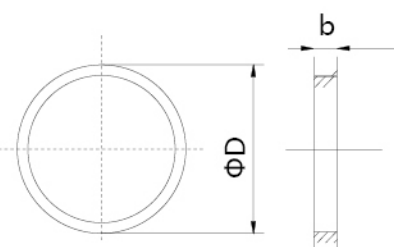
采用进口优质钢材，经过真空淬火处理，硬度均匀，耐磨性好。

•外径指鹅颈司筒内径

Main Features:

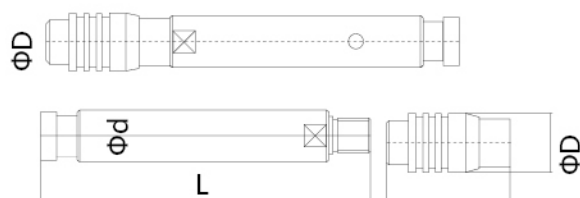
Made of imported steel and quenched in vacuum, the steel rings provide even hardness and high corrosion resistance.

•Attention: the outer diameter refers to the inner diameter of the gooseneck's sleeve.



钢铃规格尺寸表 Dimmension of Steel Rings

机器型号 Model No.	ZL12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
ΦD×b	36×5	40×5	40×5	45×6	50×6	55×6	60×6	65×6	70×6	70×6	80×6



性能特点：

锤头：采用进口优质钢材，经过真空淬火处理，硬度均匀，耐磨性好。其中外径 Φ 与司筒的内孔相对应。

锤柄：采用优质钢材，经过调质处理后，能确保与锤头的使用寿命匹配。

Main Features:

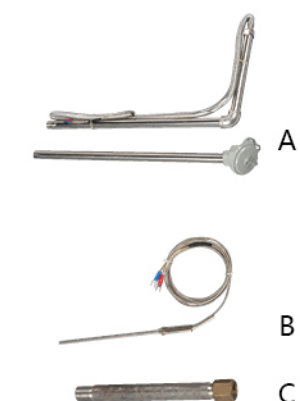
Plunger : Made of imported steel and quenched in vacuum, to ensure even hardness and high corrosion resistance. Its outer diameter matches the inner diameter of the sleeve.

Plunger Rod : they are made of high-quality steel, and we have done some modification in the components of iron, so as to provide the same long working life as plunger's.



机器型号 Model No.	ZL-12	ZL-20	ZL-30	ZL-60	ZL-90	ZL-130	ZL-180	ZL-200	ZL-230	ZL-280	ZL-400
锤头 (ΦD×L1 Hammer)	36×262	40×90	40×108	45×108	50×108	55×108	60×108	65×140	70×132	70×132	80×132
锤柄 (Φd×L Hammer Handle)		32×173	36×248	38×271	45×288	45×288	55×290	55×444	50×435	50×435	55×465

探热针系列 Thermocouple(K-Type)



探热针种类 Type of Thermocouple

A	B	C
熔炉探热针 Furnace Thermocouple	射嘴 / 鹅颈探热针 Nozzle / Gooseneck Thermocouple	射嘴 / 鹅颈探热针护管 Nozzle / Gooseneck Thermocouple Tube
直径 × 长度 Diameter × Length	直径 × 长度 Diameter × Length	直径 × 长度 Diameter × Length
Φ20×500	Φ5×150	Φ14×140

性能特点：

采用直接接触被测工件的办法测量温度，误差小，产品的外保护管套采用不锈钢材料，可以耐合金溶液的腐蚀，测温性能好。

Main Features:

The method to directly contact the measured parts is adopted to measure the temperature, giving a small temperature difference. The protective sleeve is made of stainless steel which resist the corrosion by alloy liquid and good measuring performance.

江门市振力机械有限公司是经济的、非传统的新型压铸技术的先驱，致力于改善压铸质量，是一个安全系统的供应商。振力公司生产的压铸机代表了质量、性能和技术，您始终可以信任我们。

Jiangmen Zhenli Machinery Co., Ltd. is the pioneer in the field of economical and non-traditional die casting machines. It has been committed to the improvement of casting quality and the development of safety system. Zhenli means good quality, performance and technology, so you can trust us.

振力公司为您开发出可实现个性化应用的技术——完整的“**振力集成单元**”。伴随着完全或部分集成的外围设备，振力热室压铸机将成为您生产车间的核心。崭新的控制系统确保了机器的每个压铸单元都可以由中央操作并控制。

Zhenli has developed exclusive technology for you—Zhenli Integrated Unit. With the improvement of peripheral equipment, zhenli hot chamber die casting machine will become the core of your factory. The new-brand control system ensures that every casting units can be operated and controlled centrally.



**在热室压铸机新技术应用和传统压铸机方面，
作为一个服务供应商我们提供以下服务：**

1. 新压铸技术的开发
2. 模具设计及制造
3. 工艺工程师在批量生产开始阶段的技术支持
4. 技术交流

As a responsible supplier, we offer the following services in the aspect of new technology application and conventional die casting machine:

1. The development of new die casting machine
2. Mold design
3. Techncl support from engineer in the beginning phase of massive production
4. Technology communication