



**BE SUITABLE FOR ALUMINIUM  
ALLOY, ZINC ALLOY, LEAD ALLOYS  
CASTING PRODUCTS INDUSTRY**

适用于铝合金 锌合金 铅合金  
压铸制品行业

**SINCE 1993**





# COMPANY HISTORY

## 年轮大记事

### 1993年-2003年 / In 1993-2003

香港震雄集团与广州机床研究所（原中国机械工业部直属企业）合资，成立震高公司，专业生产压铸机。

Hong Kong Chen Hsong Group and Guangzhou Machinery Institute (formerly China Machinery Industry Ministry of enterprise) joint venture, set up "CHEN GAO" company, specializing in manufacturing die casting machine.

### 1996年 / In 1996

国家唯一的一次产品质量监督抽查中名列前茅。

In an only one-time national wide, among monitoring draw-checking for product quality, Chen Gao runs No.1.

### 2002年 / In 2002

被中国技术监督情报协会评为压铸机质量过硬放心品牌。

Evaluated as "Excellent quality brand", by the China Technology Monitoring Information Association.

### 2003年-2008年 / In 2003-2008

香港震雄集团退出资金股保留技术股份，转而由广州机械科学研究院（中国机械装备 <集团> 公司），持有 75% 的股份控股，其余股份由澳资、美资组成。

Hong Kong Chen Hsong out of fund stock, and remain technical stock, instead by Guangzhou Machinery Engineering Research Institute (China mechanical equipment group Company) holding 75% shares, and the remaining shares by Australian, American composition.

### 2004年 / In 2004

被中国质量检验协会评为国家质量检测合格产品。

Evaluated as "Qualified Products in National Quality Checking", by China Quality Checking Association.



## 2014 年 / In 2014

全新一代 ZG 系列冷室机研发成功并投入市场

Newest ZG serial cold chamber die casting machine promote to market successfully.

## 2012 年 9 月 / Sep. , 2012

公司整体改制为私人企业，更名为广州震高压铸机有限公司，继续为新老客户服务。

Company change to be private company and renamed Guangzhou Chen Gao Die-casting Machine Co.,Ltd., continue to serve customer.

## 2009 年 - 2012 年 5 月 / In 2009- May, 2012

由广州机械科学研究院（中国机械装备<集团>公司）全资控股。

Guangzhou Machinery Engineering Research Institute (China mechanical equipment group Company) become a wholly owned holding company.

## 2009 年 / In 2009

通过 ISO9001。

Adopted ISO9001 certification.

## 2006 年 / In 2006

荣获广东省名牌产品称号。

Awarded Guangdong famous brand.

## 2005 年 / In 2005

自主设计制造的“快速节能熔炉”荣获国家实用新型专利证书。通过 CE 认证。

Fast melt and energy-saving furnace ,awarded national patent. Awarded CE certification.





# COMPANY PROFILE

## 公司简介

广州震高压铸机有限公司（前身为：广州震高机械有限公司）成立于1993年，专注于研发、生产高性能电脑数控热室压铸机和冷室压铸机。1993年由亚洲知名机械研发、制造集团——香港震雄集团研发的高端电脑数控压铸机，自成立以来一直秉承“以客为尊，精益求精”的经营宗旨，致力于高性价比的热室压铸机及冷室压铸机研发与生产，以优良产品品质，产品分别荣获“热室压铸机质量过硬放心品牌”、“国家质量检测合格产品”等称号。同时通过了CE认证；凭借强大的研发能力在无烟囱节能柴油炉、节能电炉、锁模箱体式模板结构等方面获得多项国家专利；通过二十多年“震高人”的努力拼搏，震高研发、制造的“压铸机”已成为国内压铸机行业的领导品牌之一，在上海、苏州、温州、余姚、宁波、厦门、重庆、广州、东莞、深圳、汕头、中山、开平、南海等地区设立了分支机构，产品不仅畅销国内，还远销欧洲、南美洲、非洲、俄罗斯、中东及东南亚十多个国家和地区。

公司全面实行ERP等信息化管理，加强了质量管理和服务管理。同时开通了24小时售后服务热线，全天候为客户提供优质专业的服务。定期和不定期地开展各种方式的压铸技术交流，得到了广大客户的认同。

震高将以“震撼铸业，高端品质”为目标，坚定不移专注于生产高品质压铸机。专注成就专业，震高只专注于压铸机！

Guangzhou Chen Gao Die-casting Machine Co., Ltd. was established in the year of 1993, and it is mainly in manufacturing hot chamber & cold chamber die casting machine. In the year of 1996, in an only one-time national wide, among monitoring draw-checking for product quality, it runs Number one in the profession. In the year of 2002 again, it is evaluated as "Excellent quality brand", by the China Technology Monitoring Information Association. In the year of 2004, our "Chen Gao" Cold Chamber & Hot Chamber Die Casting Machine are evaluated as "Qualified Products in National Quality Checking", by China Quality Checking Association. Nowadays, "Chen Gao" is already become a well-known leading brand in domestic market of die casting machine. Chen Gao die casting machine has owned CE. The products are sold well in China, and also as far as to many countries, such as Europe, South America, Africa, Russia, Middle-East, and South-East Asia. Followed with the principle of "Customers are honored and Precision is reached for after precision," quality and service management is further enhanced. We have the ability to provide high quality machine and good service. Take high tech & excellent quality as a tenet, and provide for customers with superior machines at performance vs prices. CHEN GAO will be more and more professional!



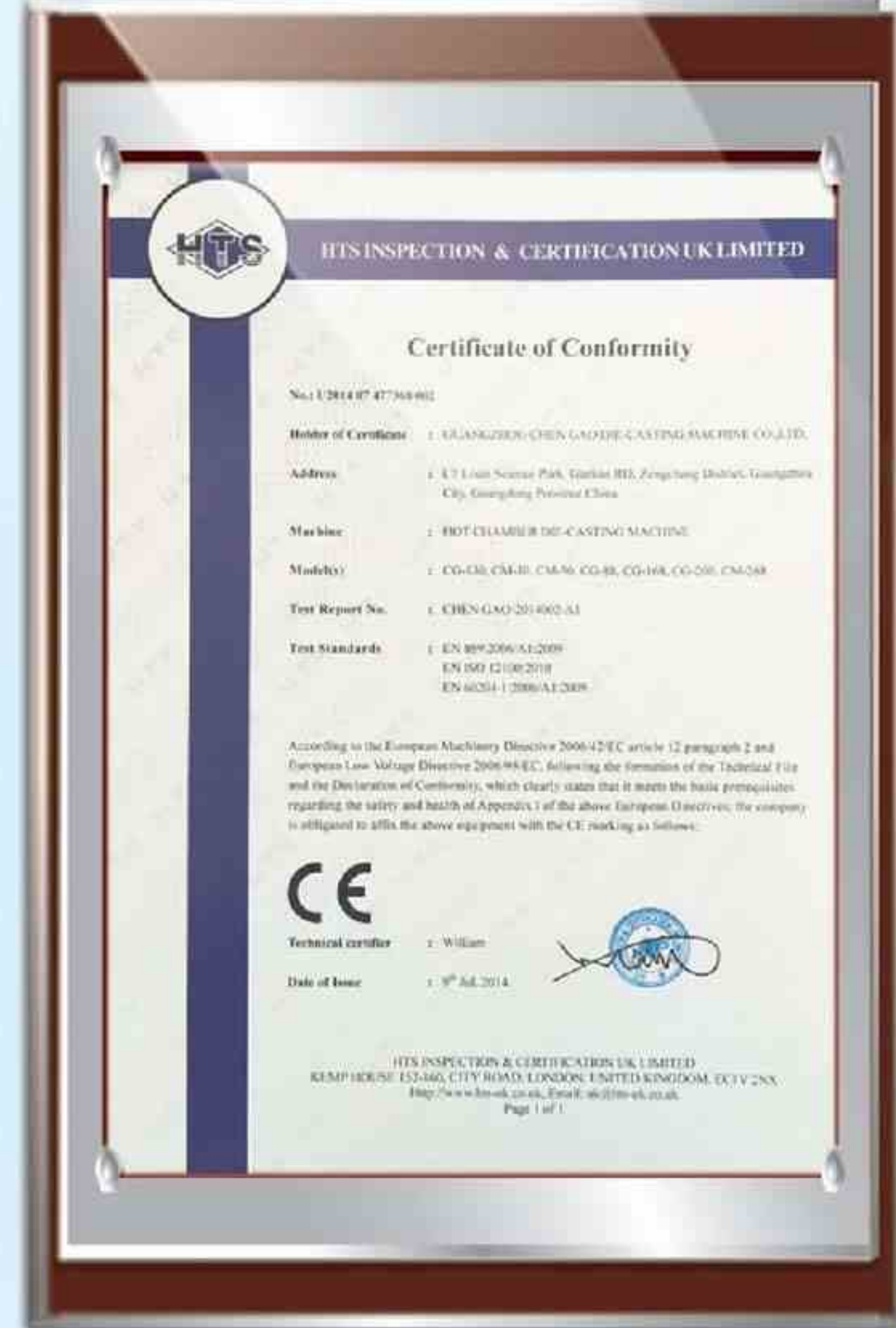
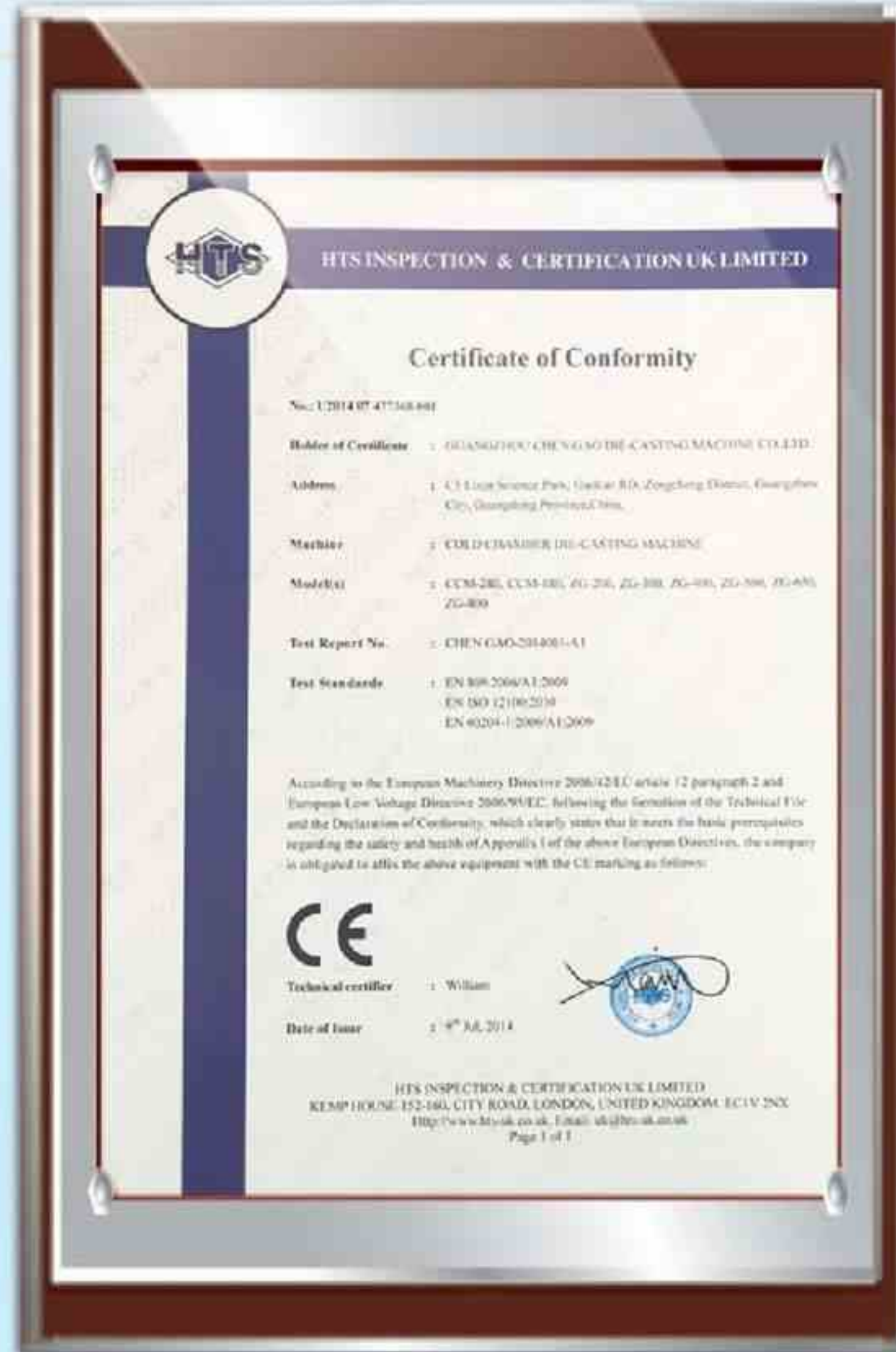
加工车间 Machining Workshop



装配车间 Assemble Workshop



**SINCE 1993, 专注于压铸机!**  
**PROFESSIONAL FOR DIE CASTING MACHINE!**



成品车间 Finished Workshop

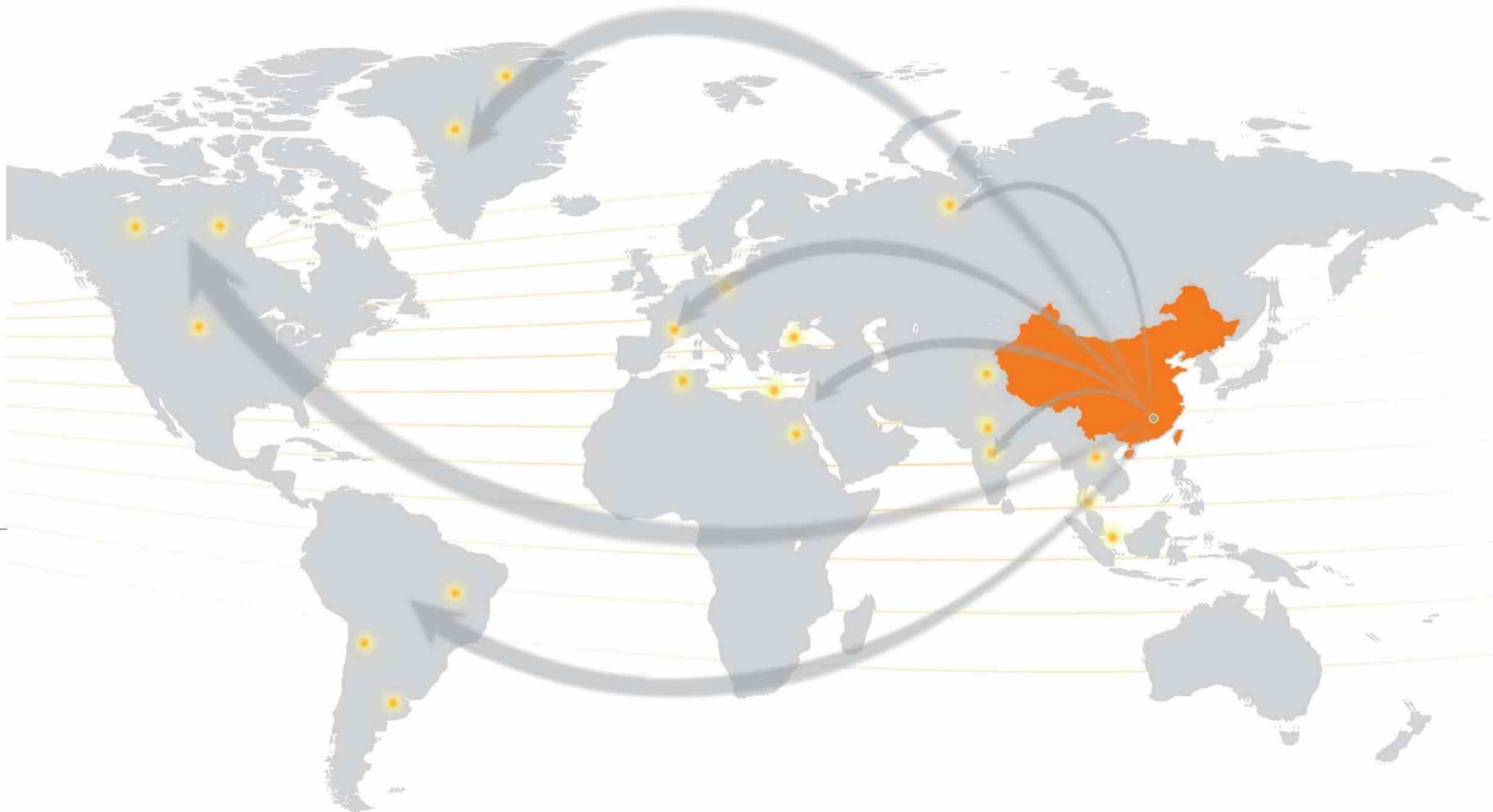


# PROFESSIONAL SERVICE

## 售后服务 销售网络

震高秉承“以客为尊，实事求是”的服务精神，承诺 24 小时为客户提供维修服务，确保客户的生产正常进行，同时为客户提供压铸技术整体解决方案。

Followed with the principle of “Customers are honored and Precision is reached for after precision,” Chen Gao will try best to provide 24 hours professional service for customer.



- 为新客户提供厂房布置及周边设备配置方案，使机器安装更合理、安全。
- 新机安装调试服务，同时提供现场工人培训，使用操作和处理一般故障的方法。
- 售后部门及各个驻外维修站 24 小时为客户提供专业服务，保证客户机器正常运作。
- 预防性维护：本公司维修工程师将不定期回访客户，根据客户机器的使用情况，提供机器维护和调整等方面的指导，以做好预防性措施。
- 培训课程：为使客户能熟练地操作震高机，我公司为客户提供操作震高机的各种培训课程，并经常举办多种方式的压铸技术交流。
- Provide plant layout and peripheral equipment configuration for new customers, make sure machine installation more reasonable and safe.
- Install and adjust machine for customer, also train worker how to operate and solve normal trouble.
- After-sale service department and branch office will provide 24 hours professional service for customer, make sure machine normal working.
- Preventive maintenance: After-sale engineer will not regularly visit customers, give advice according to machine use, maintenance and adjustment etc. .
- We will provide various training, to teach customer how to operate CHEN GAO machine well, and also organize many communication meetings of die casting technology.



# PRODUCT ADVANTAGES

## 产品优势

SINCE 1993, 专注于压铸机!  
PROFESSIONAL FOR DIE CASTING MACHINE!

### 油温低，锁模力大，压射力大!

Low oil temperature, Strong locking and injection force!



震高机采用最新电脑控制，有简易动态图形显示功能，最大可储存 150 组模具压铸条件资料，具有记忆、调控生产过程及自动判断功能，改变操作指令只需输入相关参数即可。同时电脑预留多个接口以备拓展功能的需要。

Chen Gao machines adopt newest computer control, which can store up to 150 sets of data for mold die casting conditions, and have functions of memory, adjustment control for production processing and self-adjustment. It only needs to input related data for modification of operation instruction, at the same time, there are several interfaces prepared for the computer to cope with the needs of expanding function.

**操作说明**  
EASY  
OPERATION

震高机具有特快锁模功能，使生产周期有效缩短。

Chen Gao machine have very fast mold locking function and the production cycle is reduced effectively.

**生产效率高**  
HIGH PRODUCTIVITY

震高机采用先进高效的压射油路，居同行前列，慢速射料采用比例流量控制，可数控调整快慢，有助于流道系统的排气达到最佳效果，大大提高压铸产品的成品率。

Chen Gao machine firstly adopts advanced and high effective hydraulic circuit for injection, and it ranks top among the same profession. The proportional flow rate control is adopted for slow speed injection, and fast & slow can be adjusted by NC. It helps the runner system.

**成品率高**  
HIGH PRODUCTS RATE

震高机性能好，射出力大，铸造压力大，压铸产品致密性好。

Chen Gao machine has good injection performance, large ejection force, and high die casting force, and with very good die casts solidification.

**致密性好**  
GOOD PRODUCTS SOLIDIFICATION

震高机采用独有技能设计的比例式液压系统，使开 / 锁模、顶针扣咀等动作的速度及压力都可以得以调整到最佳状态。

Chen Gao machine adopts unique energy saving design for proportional type of hydraulic system, and it makes any adjustment freely achieved their best status, such as, speed & pressure in movement of mold opening / locking, ejector and nozzle clamping unit.

**适应性好**  
GOOD ADAPTABILITY

震高机通过电脑与比例油路的配合，实现三段锁模，确保低压锁模阶段发挥保护功能的作用，有效保护模板及模具。并采用自动润滑系统，使机器运行宁静顺畅，保养方便。

Chen Gao machine adopts unique energy saving design for proportional type of hydraulic system, and it makes any adjustment freely achieved their best status, such as, speed & pressure in movement of mold opening/locking, ejector and nozzle clamping unit.

**稳定性好**  
GOOD MACHINE STABILITY

震高机采用电脑控制自动调模，操作简单，位置控制设定精度达 0.1mm。

ChenGao machine adopts computer control for automatic mold adjustment, and is easy in operation. The setting precision for position control has reached 0.1mm.

**调模快捷**  
FAST MOLD ADJUSTMENT

震高机实行多点监控，在机器出故障时能主动报警停机并在显示屏上显示故障位置，方便检查及维修。震高公司同时通过各个驻外，24 小时紧急响应客户的维修要求，确保客户的生产正常进行。

Chen Gao machine has implemented multi-points control, and auto alarm when machine stop and display on screen for their faults and happening, and it is convenient for checking and repairing. At the same time, the ChenGao company, through its outside maintenance stations, in 24 hours urgently, responses to customers' needs for repairing, and ensures production planning form customers.

**维修方便**  
EASY MAINTENANCE

强劲的机铰使机器的锁模力得以保证，球墨模板和滑座保证机器的刚性，有效提高机器的耐用度。

Mold locking force is ensured by strong machine hinge, and firmness of machine is ensured by modular cast iron platen and sliding seat, and its durability is highly raised.

**机器耐用**  
MACHINE DURABILITY

震高机采用机电连锁安全装置，确保在关闭安全门时，锁紧模具及扣紧射咀之后，保证安全生产。

Chen Gao machine adopts safety device by electro-mechanic inter-locking, and ensures injection at safety door is closed and after mold is tightly locked and nozzle clamping unit is closed. The production in safety is ensured.

**安全性能高**  
HIGH SAFETY PERFORMANCE

震高压铸机专利无烟节能熔炉，可省油 30% 以上。

Patent furnace, no chimney and energy-saving above 30%.

**节能高效**  
ENERGY SAVING



# BUSINESS TEAM

## 企业团队

二十三年前，震高犹如一艘小船  
积极探索制造海洋的深邃  
面对商海的激烈竞争  
震高团队一路奋进  
以开拓进取的信念 以勇往直前的精神  
不断前进与发展 齐心协力创伟业  
海纳百川共辉煌

今天，蜕变成蝶  
小船升级成军舰  
在制造业的世界舞台上  
继续演绎商海传奇

23 years ago, Chen Gao is like a boat  
Active exploration making ocean deep  
Face keen competition from the sea  
High shock team way ahead  
To forge the faith  
In the spirit of courage  
Advance and development  
Concerted efforts in undertaking great work  
Haina rivers were brilliant

Today, the metamorphosis into a butterfly  
Boats into warships  
In the manufacturing sector on the world stage  
Continue to deduce sea legend





# COMPANY CULTURE

## 企业文化

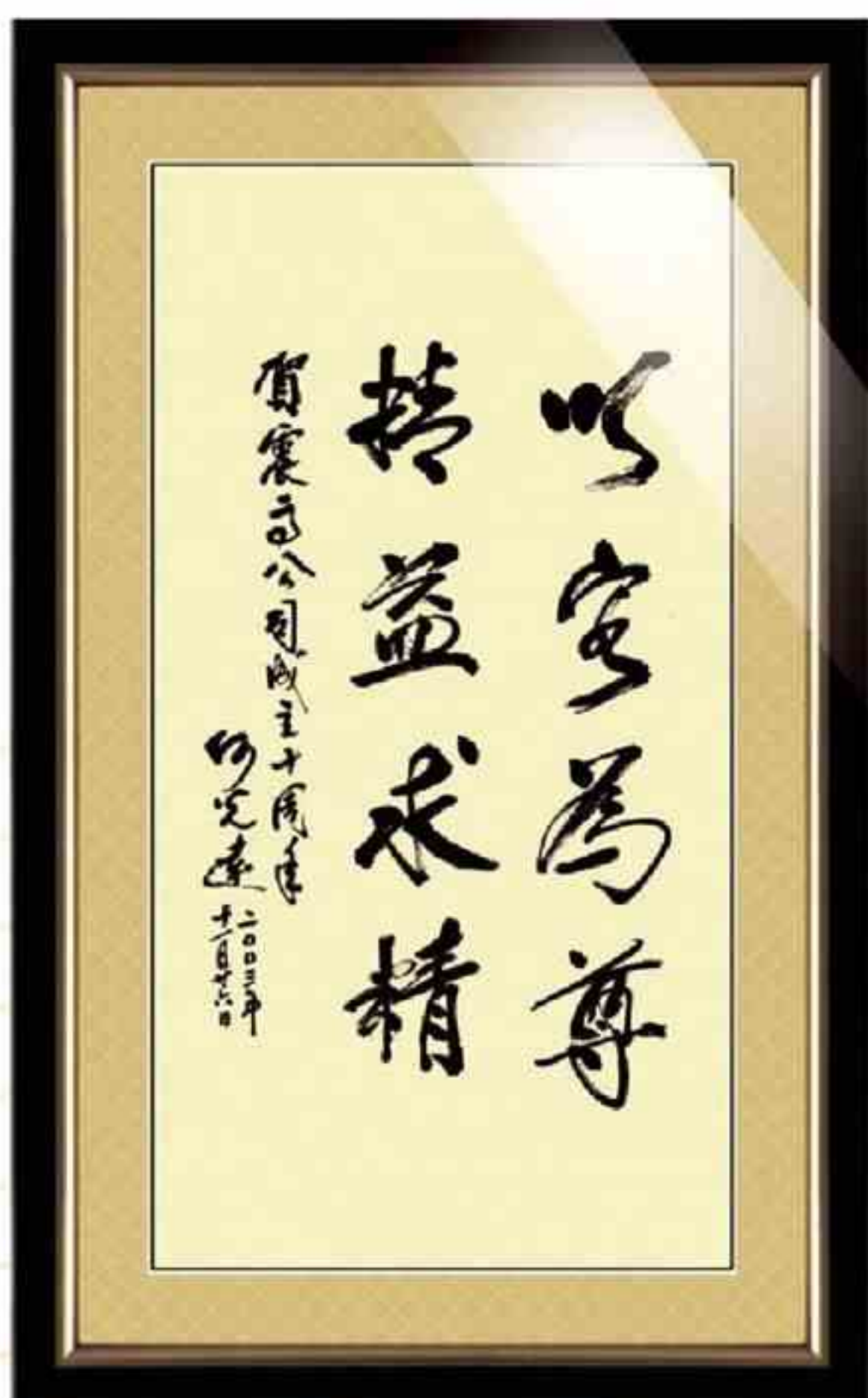
SINCE 1993, 专注于压铸机!  
PROFESSIONAL FOR DIE CASTING MACHINE!



何光远 先生 Mr. He GuangYuan

原中国机械工业部部长  
为震高压铸机十周年题词

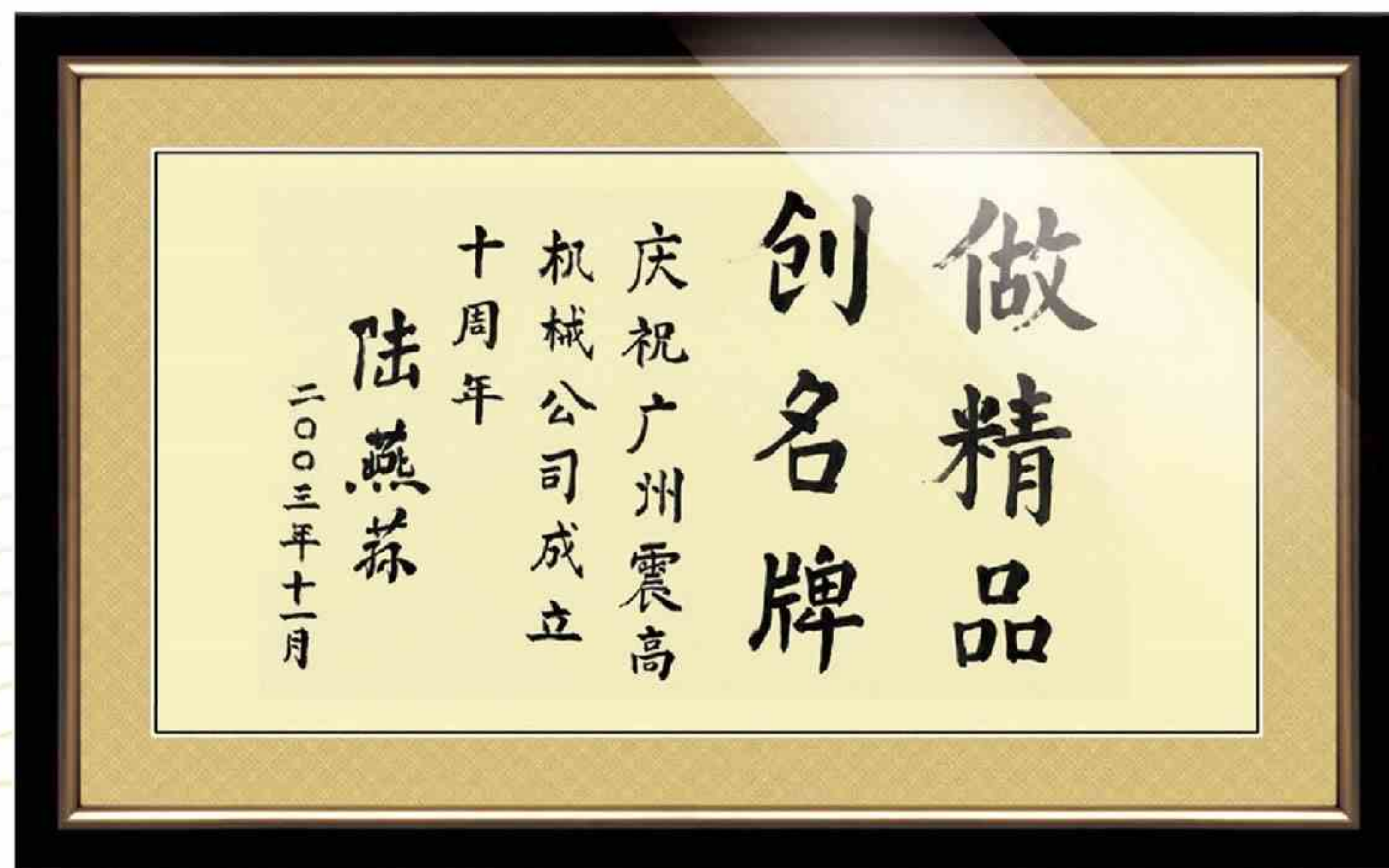
China Machinery Industry  
Department Minister Present  
for CHEN GAO 10th celebration



陆燕荪 先生 Mr. Lu YanSun

原中国机械工业部副部长兼总工程师  
为震高压铸机十周年题词

China Machinery Industry Department  
Engineer Present for CHEN GAO 10th  
celebration





# ZG SERIES COLD CHAMBER DIE CASTING MACHINE

## ZG 系列冷室压铸机



西门子 PLC 控制  
Siemens PLC controller



强有力的射料系统  
Strong injection design



坚固耐用的模板  
Reliable mold platen



强劲的机绞  
Strong hinge



四拉杆式结构、三级压射的调整控制  
Rod type structure ,  
three stage injection adjustment



齿轮调模、精确电子尺控制  
Auto gear mold adjustment,  
Precise electrical sensor



自动中央润滑  
Auto lubrication



## MAIN FEATURES ZG 系列冷室机特点

- 采用最新西门子 PLC 及电子尺 / 电眼数控操作，锁模、调模、顶针的压力，速度等均可数控调整，开模、锁模、射料可动态显示，操作简单容易。
- 油路系统采用双泵双比例压力及流量控制，每一程序动作根据需要使用高压或者低压程序进行工作，既降低油温上升速度，又有效节约能量。
- 独特的油温探测仪，可实现油温监控，确保油温处于平稳低油温状态，延长了油路元件的使用寿命。
- 慢速射料，快射分二级，增压等均可独立调节，压力稳定，压射速度快，并互不干扰！特别是快速压射，快速有力，压射性能优异！
- 头板、二板采用箱体式结构，刚度高而重量轻。
- 压射部分采用四拉杆式设计更方便维修保养。中心及偏心压射位置选择，方便调节，适用于各种模具要求。
- 可靠耐用的欧日名牌液压元件。
- 液压齿轮调模，传动平稳，操作方便，准确耐用。
- 自动中央润滑系统，使机绞每一转动都能得到良好的润滑。
- 整机匀称美观，强壮坚固；特别设计的安全门，安全可靠。包括门轨采用如木家具榫头方式，连接整齐牢固，机绞档门采用挂入式安装，拆装方便。
- 水冷系统、锤头润滑系统随机配备，配合全机可实现安全可靠的生产。
- Adopt Siemens PLC to make sure die locking, die adjusting, pressure of ejector and speed can be processed by numerical control. Dynamically display, easy operation and maintenance.
- Double pump and double proportional pressure & flow rate control for hydraulic system. According to needs, high and low pressure work action can be proceed in one step by step following a program sequence. Not only reduce oil temperature lift up speed, also save energy effectively.
- Special oil temperature sensor, easy to monitor oil temperature to be stable and low, more reliable .
- Slow speed injection, fast speed injection classified into two stages and pressure increasing can be adjusted independently. Special for fast injection, fast, strong, excellent in performance.
- First and second platen adopt cabin type structure, more reliable and more light .
- Adopt rod type structure, more easy for maintenance. Multi injection position can be chose for different mold requirement .
- Reliable and durable hydraulic components of European and Japanese famous brand .
- Mold adjustment gear wheel with hydraulic type has stable transmission, convenient operation and precisely durable.
- Auto lubrication, make sure every rotating pairs of machine hinge obtained good lubrication.
- Perfect beautiful design in configuration, firm and strong. The safety door with unique design is adopted for door rail. The connections are tightly neat and firm, and hinging up type of installation is adopted for locking door hinge of machine, and it can be easily dismantled at cleaning and maintenance of machine.
- Water-cooling and plunger lubrication are equipped along with the machine, to assist machine to achieve reliable and safety production.



进口名牌高性能高低压双联泵  
Imported high quality dual-pump



特有的油温探测仪  
Special oil temperature sensor



快速节能熔炉  
Energy-saving furnace



# ZG SERIES COLD CHAMBER DIE CASTING MACHINE

## ZG 系列冷室压铸机

### SPECIFICATION ZG 系列参数表

	项目 ITEM	单位 UNIT	ZG-180	ZG-300	ZG-400	ZG-500	ZG-700	ZG-800
锁模系统 DIE LOCKING SYSTEM	锁模力 LOCKING FORCE	ton	180	300	400	500	700	800
	导柱直径 TIE-BAR DIAMETER	mm	85	110	130	140	165	180
	柱间空位 SPACE BETWEEN TIE-BAR	mm	480*480	560*560	620*620	760*760	800*800	910*910
	容模厚度 MOLD THICKNESS	mm	200-600	250-650	320-800	320-800	340-860	400-950
	动模行程 DIE STROKE	mm	380	400	450	480	650	760
射出系统 INJECTION SYSTEM	射料力 INJECTION FORCE	KN	105-250	155-330	185-450	210-500	215-580	280-740
	压射位置 SHOT POSITION	mm	0/-100	0 / -125	0 / -185	0 / -220	0 / -250	0 / -250
	压射行程 INJECTION STROKE	mm	350	465	570	570	650	760
	锤头直径 PLUNGER DIAMETER	mm	50/60	50/60/70	60/70/80	70/80/90	80/90/100	90/100
	压铸面积 CASTING AREA	cm <sup>2</sup>	121-666	178-730	252-1110	285-1475	608-2592	544-2285
	法兰直径 CASTING FLANGE DIAMETER	mm	110	110	130	150	165	200
	凸出定板高度 OVER HEIGHT OF FLANGE	mm	10	12	15	15	15	20
	压铸重量 CASTING WEIGHT	kg	1.2/1.8	1.5/2.1/2.9	2.7/3.6/4.8	4.1/5.4/6.9	6.5/8.3/10	7/9/11
顶出系统 EJECTION SYSTEM	顶出力 EJECTION FORCE	KN	110	155	195	260	315	320
	顶出行程 EJECTION STROKE	mm	100	110	125	130	155	180
其它 OTHER	工作压力 OPERATION PRESSURE	kg/cm <sup>2</sup>	140	145	145	145	145	140
	马达动力 MOTOR POWER	KW	15	18.5	22	30	37	45
	油箱容量 OIL TANK CAPACITY	L	460	700	850	1000	750	1300
	机器尺寸 MACHINE SIZE	mm	L:5500 W:1350 H:2500	L:6500 W:1550 H:2600	L:7350 W:1800 H:2700	L:7400 W:1850 H:2850	L:7950 W:2000 H:3400	L:8500 W:2300 H:3450
	机器重量 MACHINE WEIGHT	ton	7.1	10.5	17.6	22	32	38.5

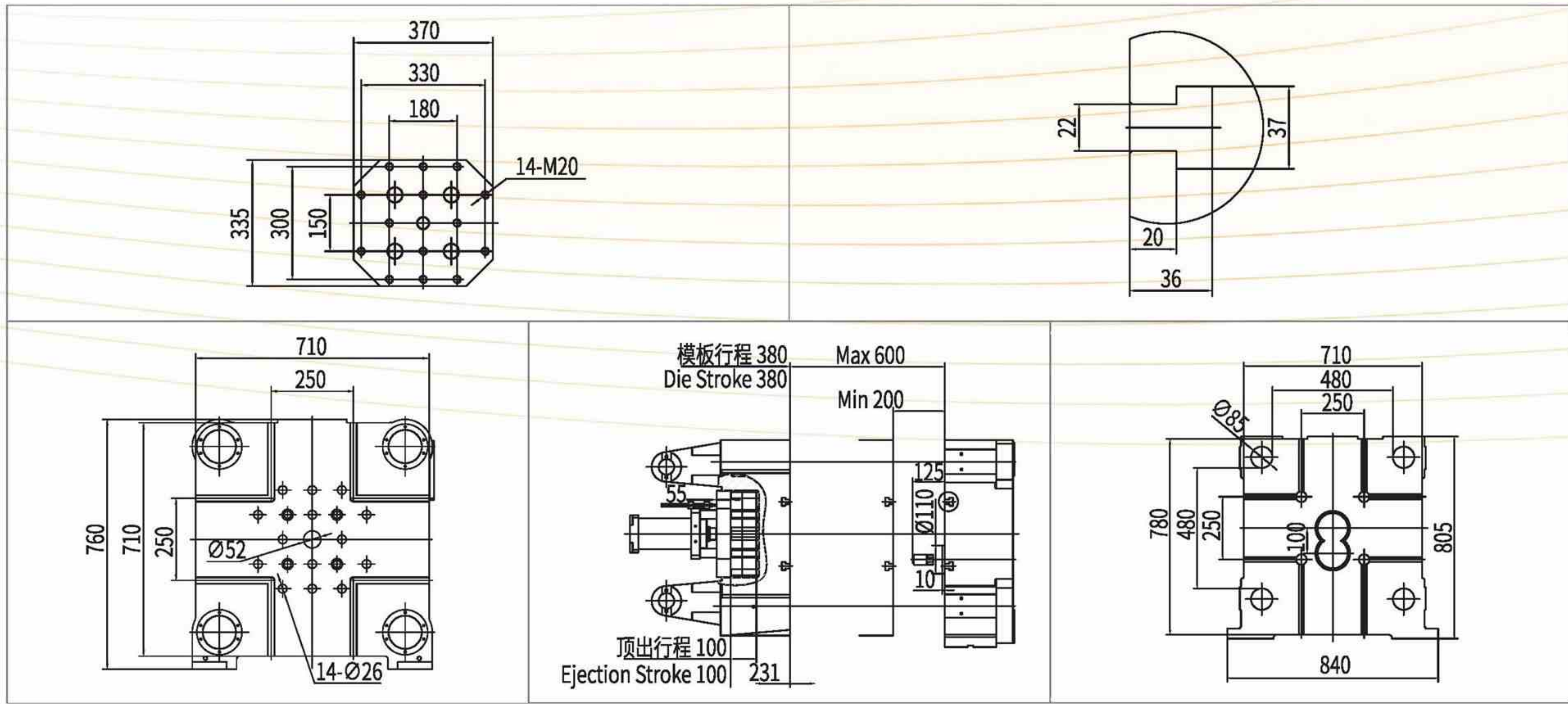
- 规格如有更改，恕不另行通知
- SPECIFICATION SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



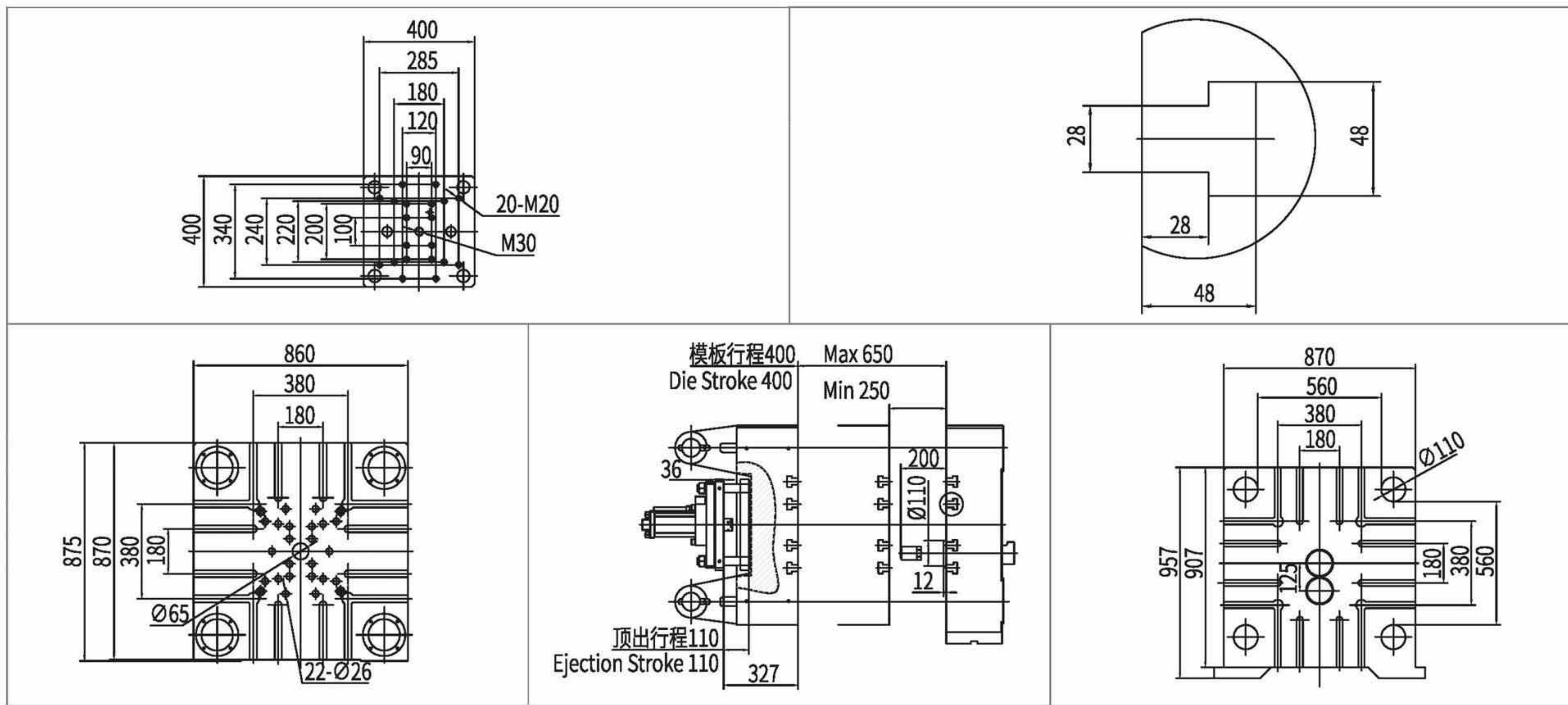
# MOLD PLATEN LAYOUT 模板图

SINCE 1993, 专注于压铸机!  
PROFESSIONAL FOR DIE CASTING MACHINE!

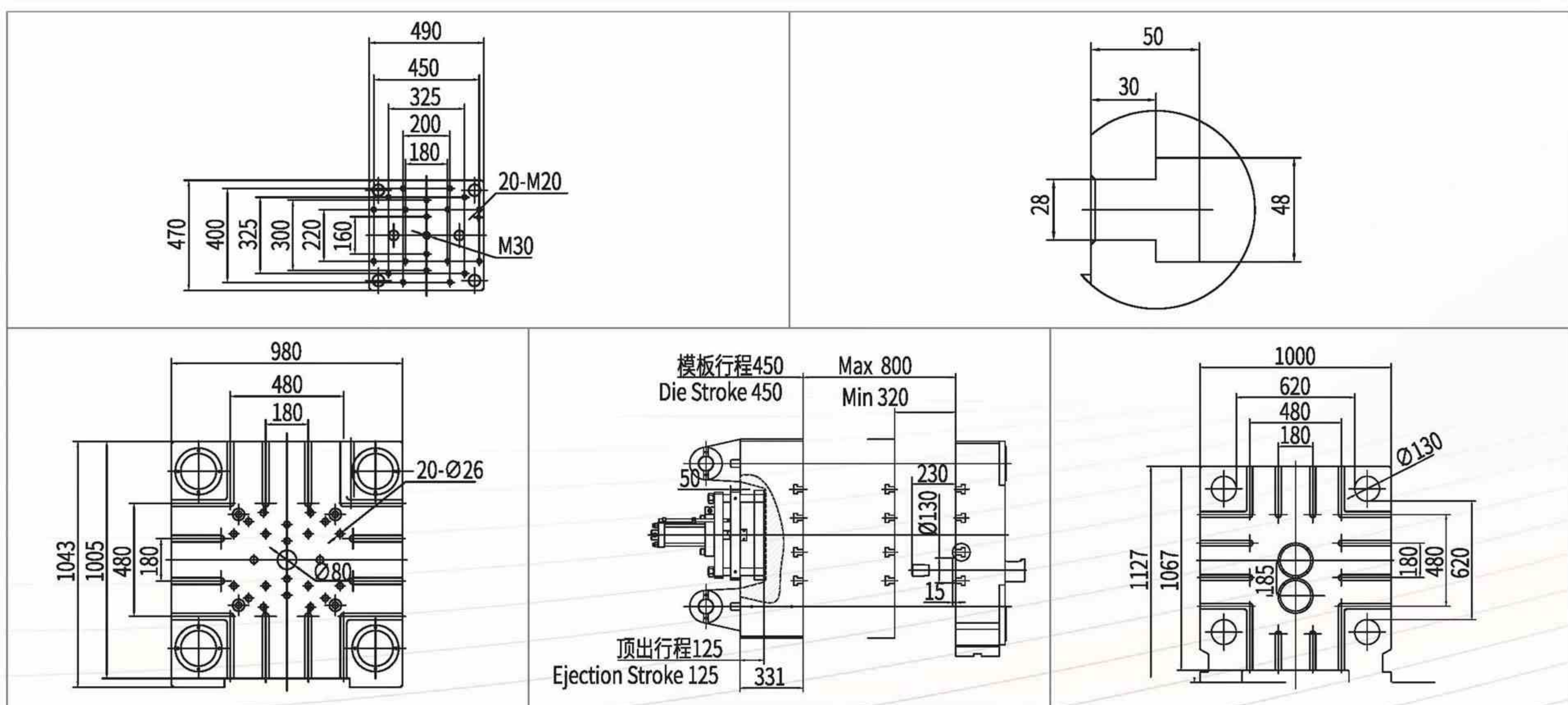
ZG-180



ZG-300



ZG-400

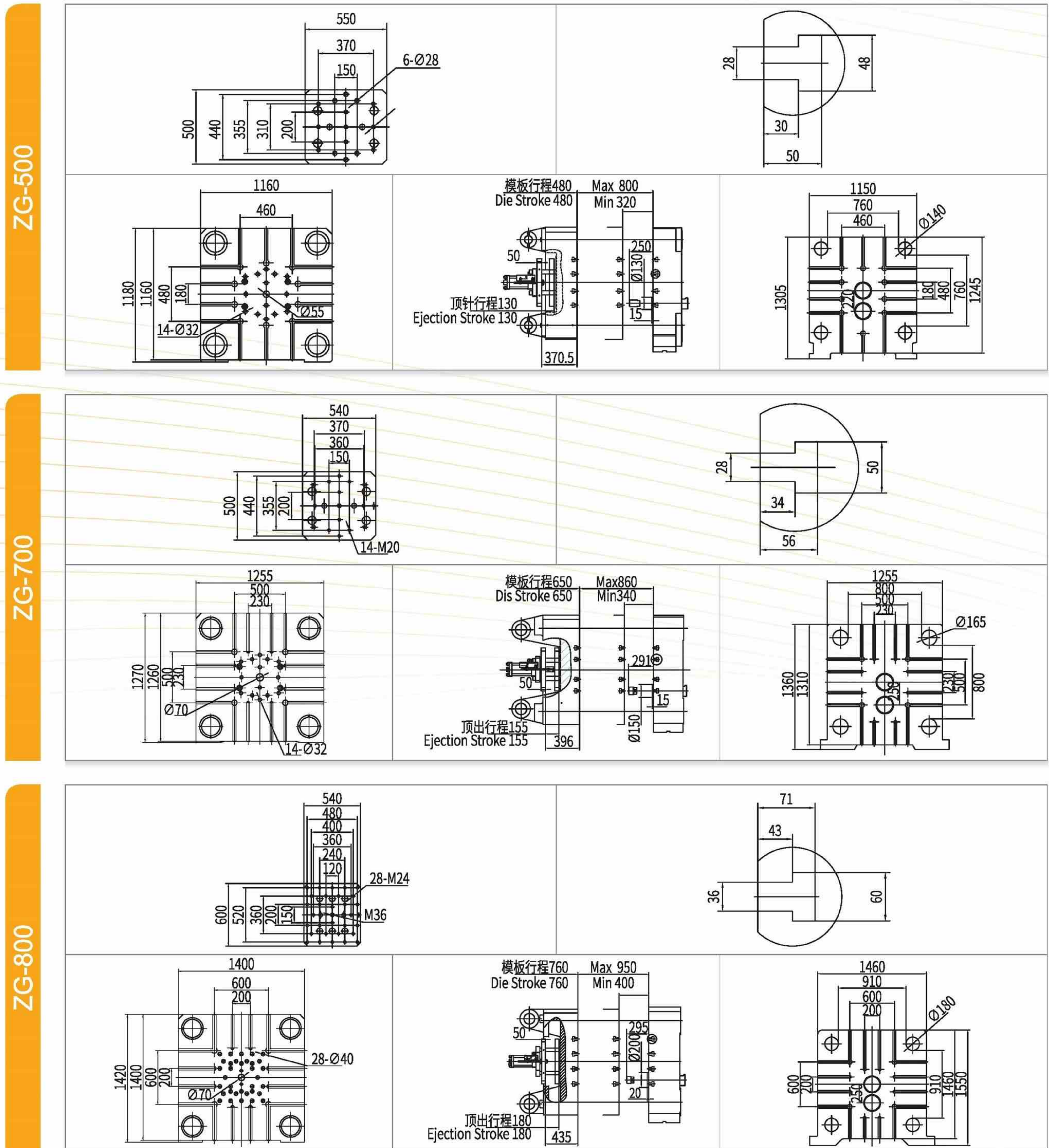




# ZG SERIES COLD CHAMBER DIE CASTING MACHINE

## ZG 系列冷室压铸机

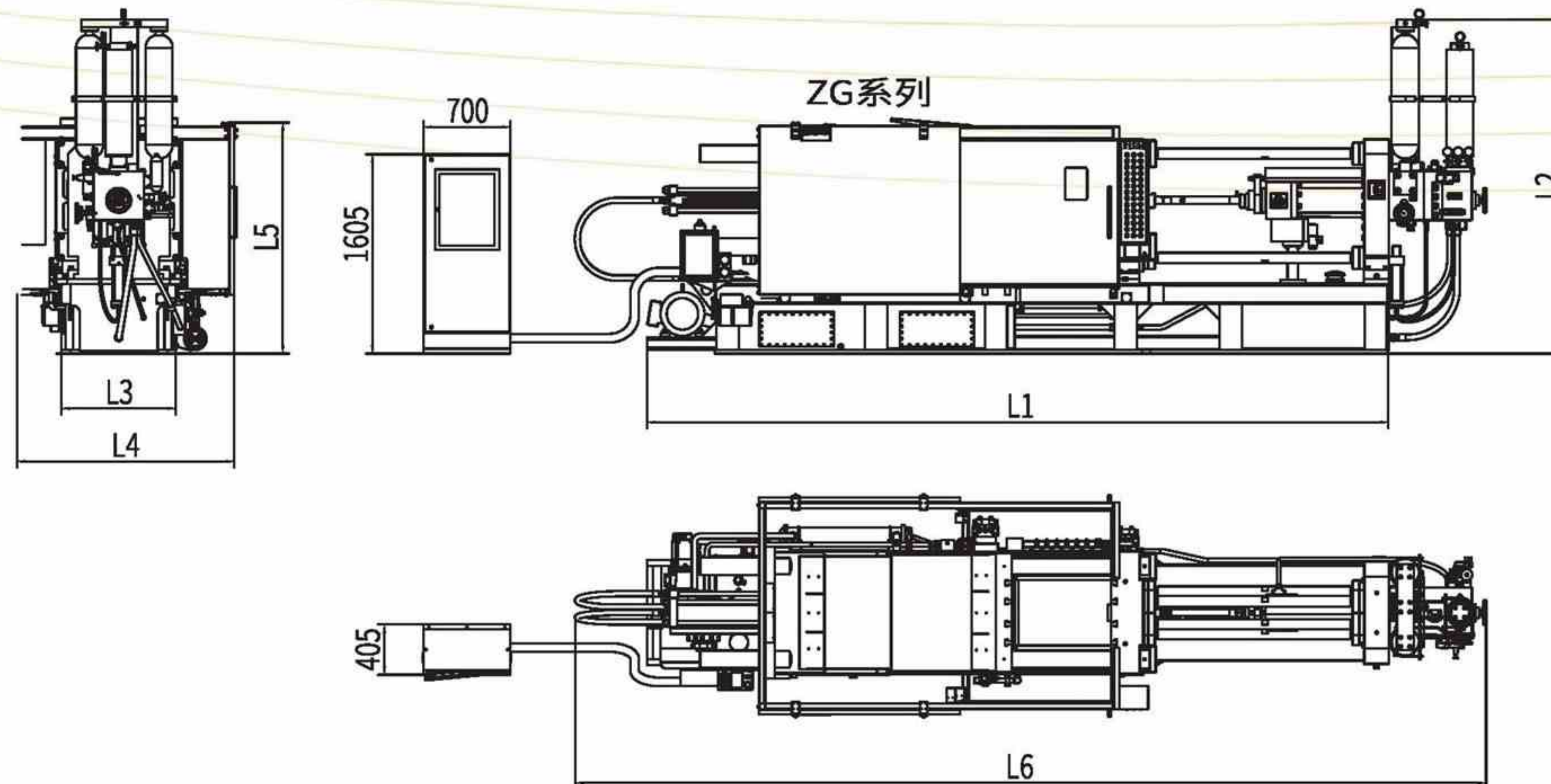
### MOLD PLATEN LAYOUT 模板图



- 规格如有更改，恕不另行通知
- SPECIFICATION SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



## MACHINE OUTLINE DIMENSION ZG 系列机身尺寸示意图



尺寸 Size 机型 Model	L1	L2	L3	L4	L5	L6
ZG-180	4800	2500	840	1350	1700	5500
ZG-300	5500	2600	960	1550	1750	6500
ZG-400	6000	2700	920	1800	1850	7350
ZG-500	6550	2850	1220	1850	2050	7400
ZG-700	6850	3400	1400	2000	2150	7950
ZG-800	7850	3450	1680	2300	2350	8500

### STANDARD FEATURES

#### 标准装置

- 西门子 PLC 控制
- 中央自动润滑
- 双泵双比例流量控制
- 油温探测仪
- 油压齿轮调模
- 电子尺控制行程
- 拉杆式结构
- 活塞式蓄能器
- 闭水式冷却装置
- Siemens PLC control
- Auto lubrication
- Dual pump and proportional control of flow
- Oil temperature sensor
- Auto gear mold adjustment
- Electrical stroke control
- Tie-rod structure
- Piston Accumulator
- Closed cooling system

### OPTIONAL FEATURES

#### 选购装置

- 柴油 / 天然气熔炉 / 电炉
- 自动给汤机
- 自动喷雾机
- 自动取件机
- 锤头润滑颗粒机
- 模温机
- 自动安全门
- 抽芯装置
- 脱模剂配比机
- 安全光幕开光
- 自动输送带
- Diesel oil / Natural gas / Electrical furnace
- Auto ladle
- Auto spray
- Auto extractor
- Auto plunger lubrication
- Mold temperature controller
- Auto safety door
- Single or double core



# CG SERIES HOT CHAMBER DIE CASTING MACHINE

## CG 系列热室压铸机



全自动电脑数控  
Auto computer controller



强有力的射料系统  
Strong injection design



坚固耐用的模板、强劲的机铰  
Reliable mold platen ,strong hinge



自动中央润滑  
Auto lubrication



齿轮调模、精确电子尺控制  
Auto gear mold adjustment ,precise electrical sensor



快速节能熔炉（柴油、天然气）  
Energy-saving furnace



可靠耐用的欧日品牌液压元件  
Reliable European and Japanese hydraulic valve



## MAIN FEATURES CG 系列压铸机特点

- 高性能：最大空射速度 $\geq 6\text{m/s}$ 。
- 头板、二板采用箱体或筋板式结构，刚度高而重量轻。
- 电脑箱与主机分离，独立落地，避免主机生产时的震动。
- 液压齿轮调模，操作简单，位置控制设定精度达 0.1mm。
- 采用最新 MH-6117 电脑控制，动态显示，最大可储存 150 组模具数据，且故障时自动报警并显示故障位置，方便检查及维修。
- 特快锁模功能，生产周期短、效率高。
- 自动中央润滑，机铰更强劲耐用。
- 可靠耐用的欧日名牌液压元件。
- 独有的油温探测仪，确保平稳低油温状态，延长了油路元件的使用寿命。
- 先进高效的压射油路，比例流量控制，提高压铸产品的成品率。
- 射出力、锁模力大，压铸产品致密性好。
- 独有的比例式液压系统，使开 / 锁模、顶针扣咀等动作的速度及压力都可以调整到最佳状态。
- 低压锁模保护功能，保护模板及模具。
- 安全门及光幕开关，确保安全生产。
- 专利无烟筒节能熔炉，省油 30% 以上。

- Maximum air injection speed  $\geq 6\text{m/s}$ .
- First and second platen adopt box board or reinforced plate structure, high stiffness and light weight.
- Computer controller is separated off the machine, independent landing, to avoid the vibration of the host.
- Hydraulic mold adjustment, to make sure precision for position control reached 0.1mm.
- Newest MH-6117 colorful computer control, store up to 150 sets of mold data , auto alarm when problem happen, easy for maintenance and repair.
- Fast mold locking function, the production cycle is reduced effectively.
- Auto lubrication system, more reliable.
- Reliable and durable European and Japanese famous brand hydraulic spare part.
- Special oil temperature sensor, stable and low temperature control, make sure spare parts longer time.
- Advanced and high effective hydraulic circuit for injection and proportional flow rate control is adopted .
- Strong locking, injection and ejection force, make sure casting product solid and dense.
- Proportional hydraulic design, make sure any speed and pressure can be adjusted freely to achieved their best status.
- Protect function of low-pressure stage of mold locking, protected mold platens and mold.
- Safety door, also adopt light sensor, more safe.
- Patent furnace, no chimney and energy-saving above 30%.



安全光幕开关、模具使用温馨提示  
Safety light sensor ,warm advice for mold



特有的油温探测仪  
Special oil temperature sensor



坚固耐用的热作件  
Reliable hot-work spare part



# CG SERIES HOT CHAMBER DIE CASTING MACHINE

## CG 系列热室压铸机

### SPECIFICATION CG 系列参数表

	项目 ITEM	单位 UNIT	CG-88	CG-130	CG-168	CG-200	CG-400
锁模系统 DIE LOCKING SYSTEM	锁模力 LOCKING FORCE	ton	88	130	168	200	400
	导柱直径 TIE-BAR DIAMETER	mm	60	75	85	90	130
	柱间空位 SPACE BETWEEN TIE-BAR	mm	360*360	410*410	450*450	510*510	620*620
	容模厚度 MOLD THICKNESS	mm	127/350	160/450	200/500	250/550	300/750
	开模行程 DIE STROKE	mm	270	280	380	395	450
	射出位置 SHOT POSITION	mm	0/50	0/65	0/80	0/100	0/125
射出系统 INJECTION SYSTEM	锤头直径 PLUNGER DIAMETER	mm	50/55	55/60	60/65	60/70	70/80/90
	射锤行程 PLUNGER STROKE	mm	130	140	160	165	230
	射出力 INJECTION FORCE(MAX)	ton	7	10	11	12	20
	最大射出量 MAX SHOT WEIGHT	kg	1.1/1.3	1.6/1.9	1.8/2.2	2.3/2.8	4.4/5.7/7.2
	离咀行程 TRAVERSE STROKE	mm	210	210	210	240	340
	坩埚容量 CRUCIBLE CAPACITY	kg	350	350	350	500	1350
	电炉容量 ELECTRICAL FURNACE CAPACITY	kg	300	300	300(450)	450	1300
	铸造压力 CASTING PRESSURE	Mpa	35.6/29.5	42.1/35.4	38.9/33.1	42.4/31.2	51.9/39.8/31.5
	最大铸造面积 CASTING AREA	cm <sup>2</sup>	247/299	309/367	431/507	472/641	771/1005/1270
顶出系统 EJECTION SYSTEM	顶出压力 EJECTION FORCE	ton	5.5	7.3	8.5	10	19.5
	顶出行程 EJECTION STROKE(MAX)	mm	60	70	85	100	125
液压动力系统 HYDRAULIC POWER SYSTEM	马达动力 MOTOR POWER	KW	11	15	18.5	15	22
	电炉功率 ELECTRICAL FURNACE POWER	KW	24	24	24	27	60
	工作压力 OPERATION PRESSURE	kg/cm <sup>2</sup>	145	145	145	145	145
	油箱容量 OIL TANK CAPACITY	L	225	250	400	430	580
	蓄能器 ACCUMULATOR	L	20	20	30	36	48
其它 OTHER	机器尺寸 MACHINE SIZE	mm	L: 3808 W: 1437 H: 2055	L: 4129 W: 1460 H: 2100	L: 4515 W: 1531 H: 2214	L: 5200 W: 1690 H: 2450	L: 7000 W: 2200 H: 2950
	机器重量 MACHINE WEIGHT	ton	4	5	6	7.8	16

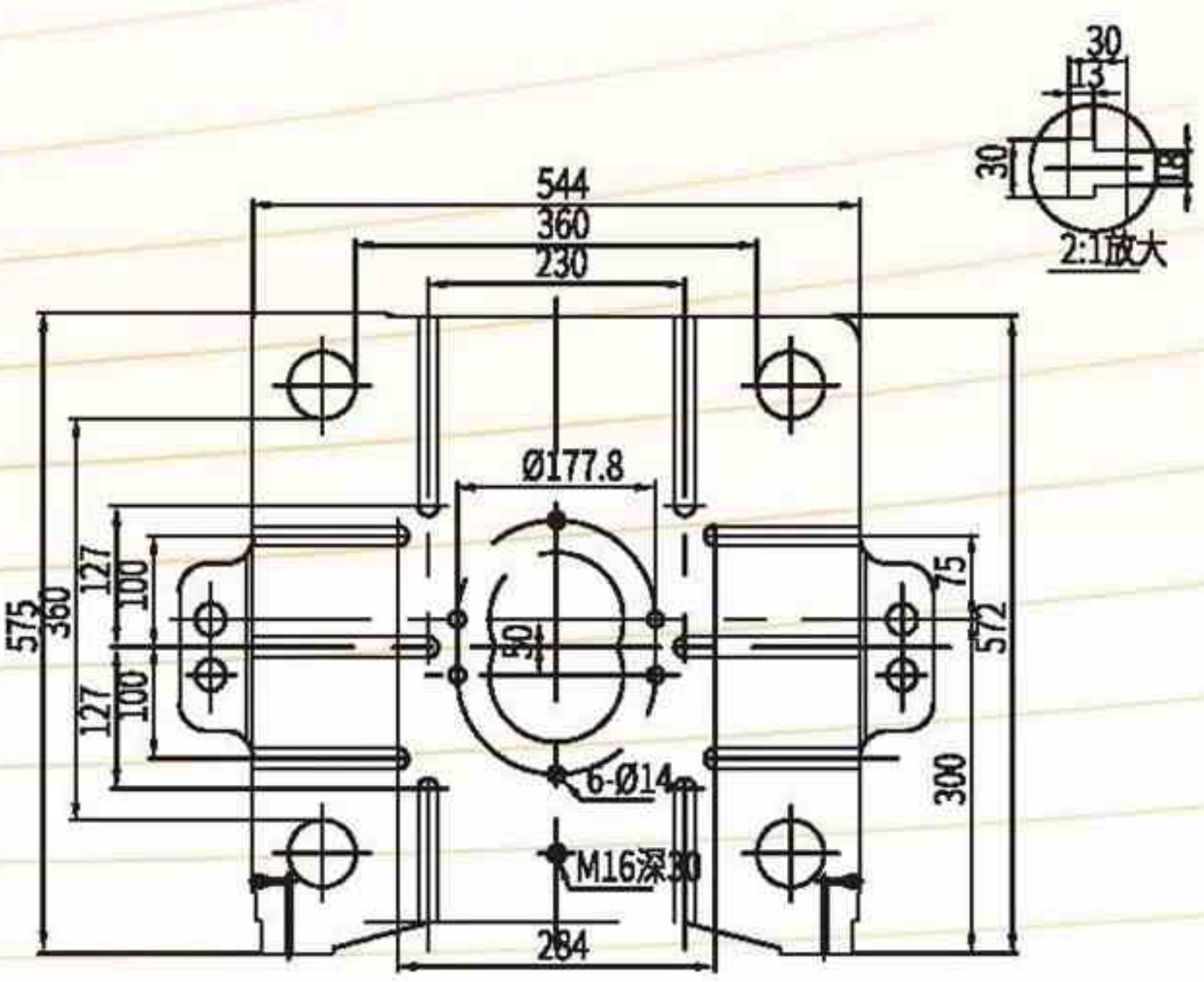
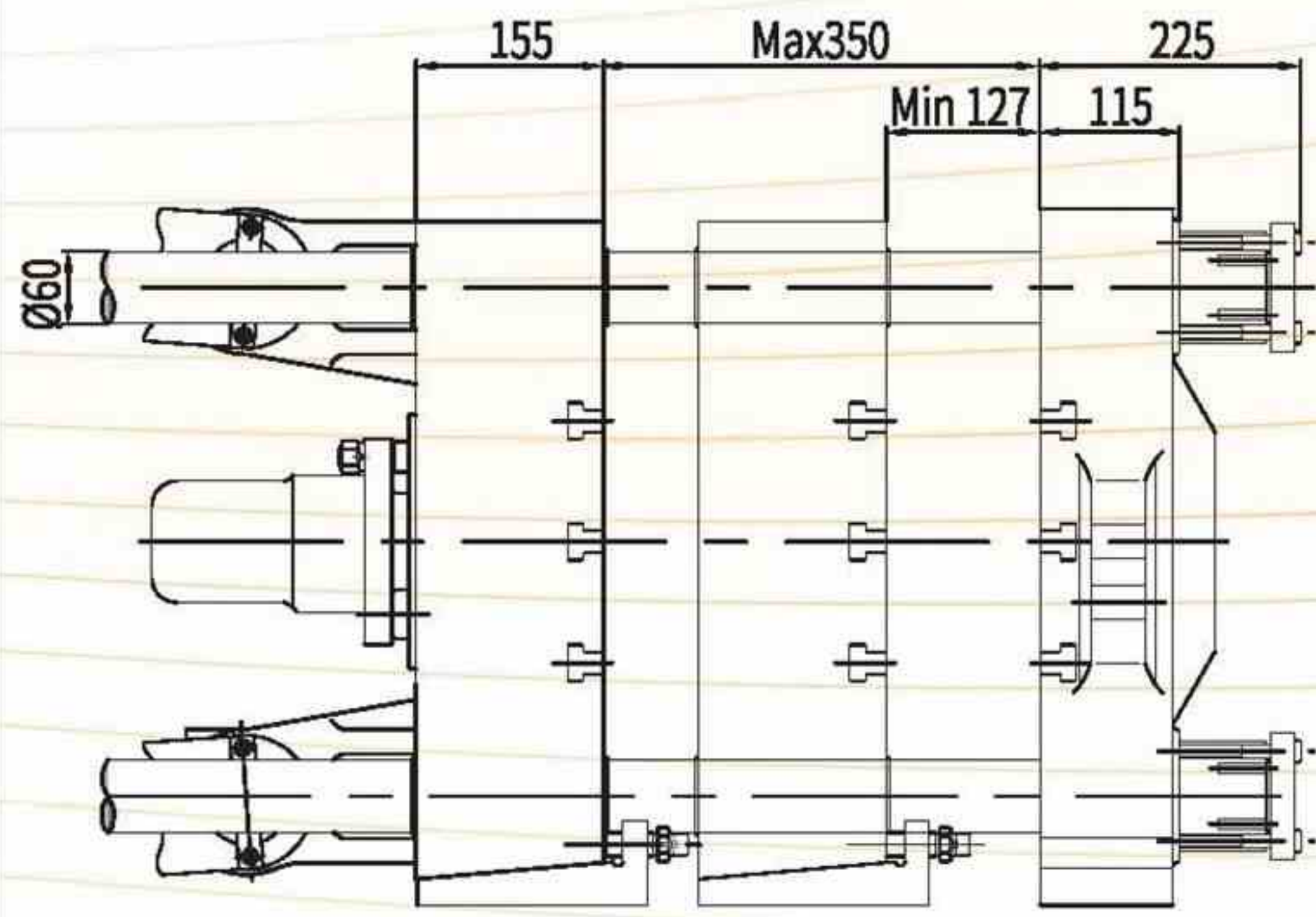
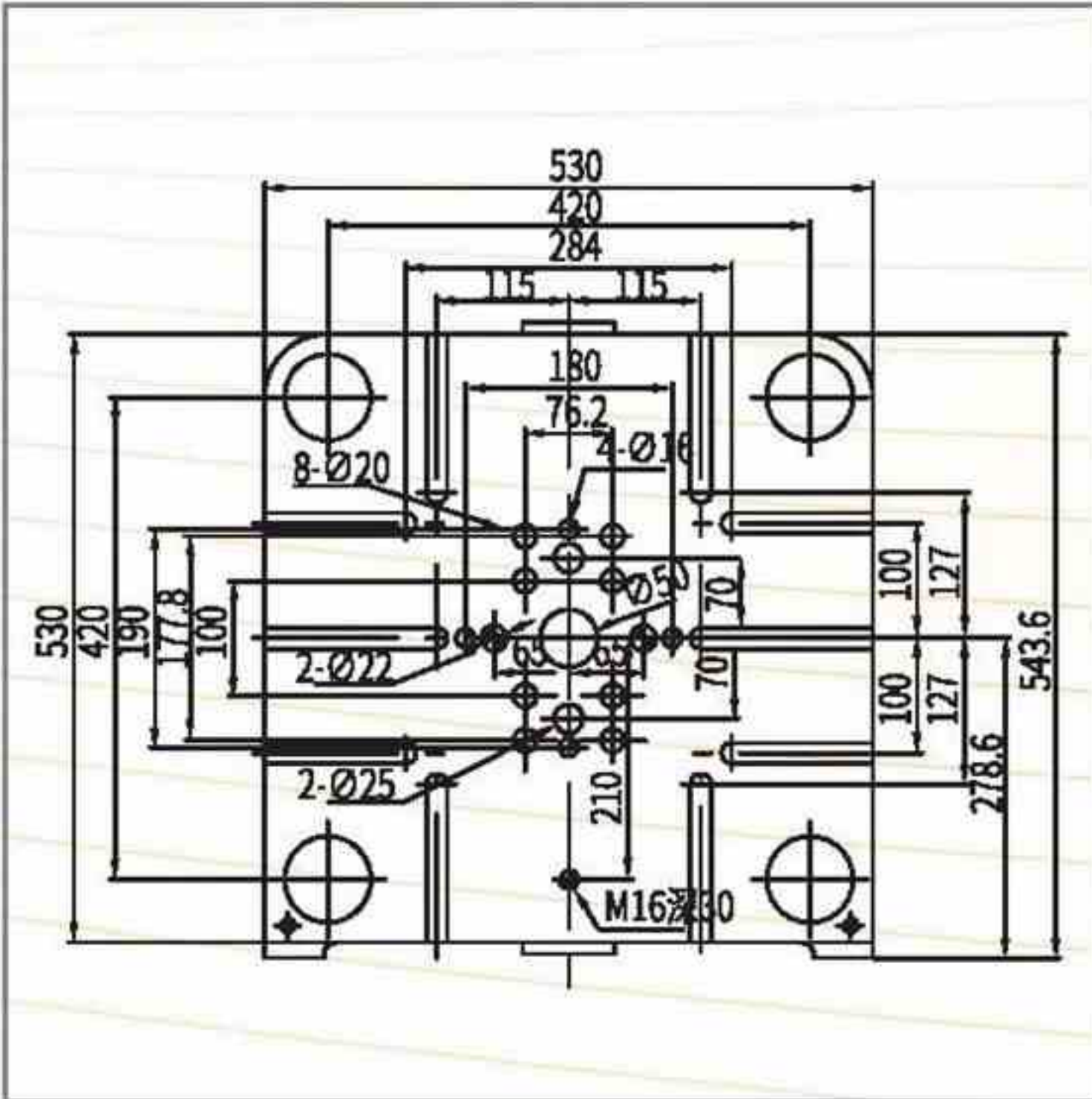
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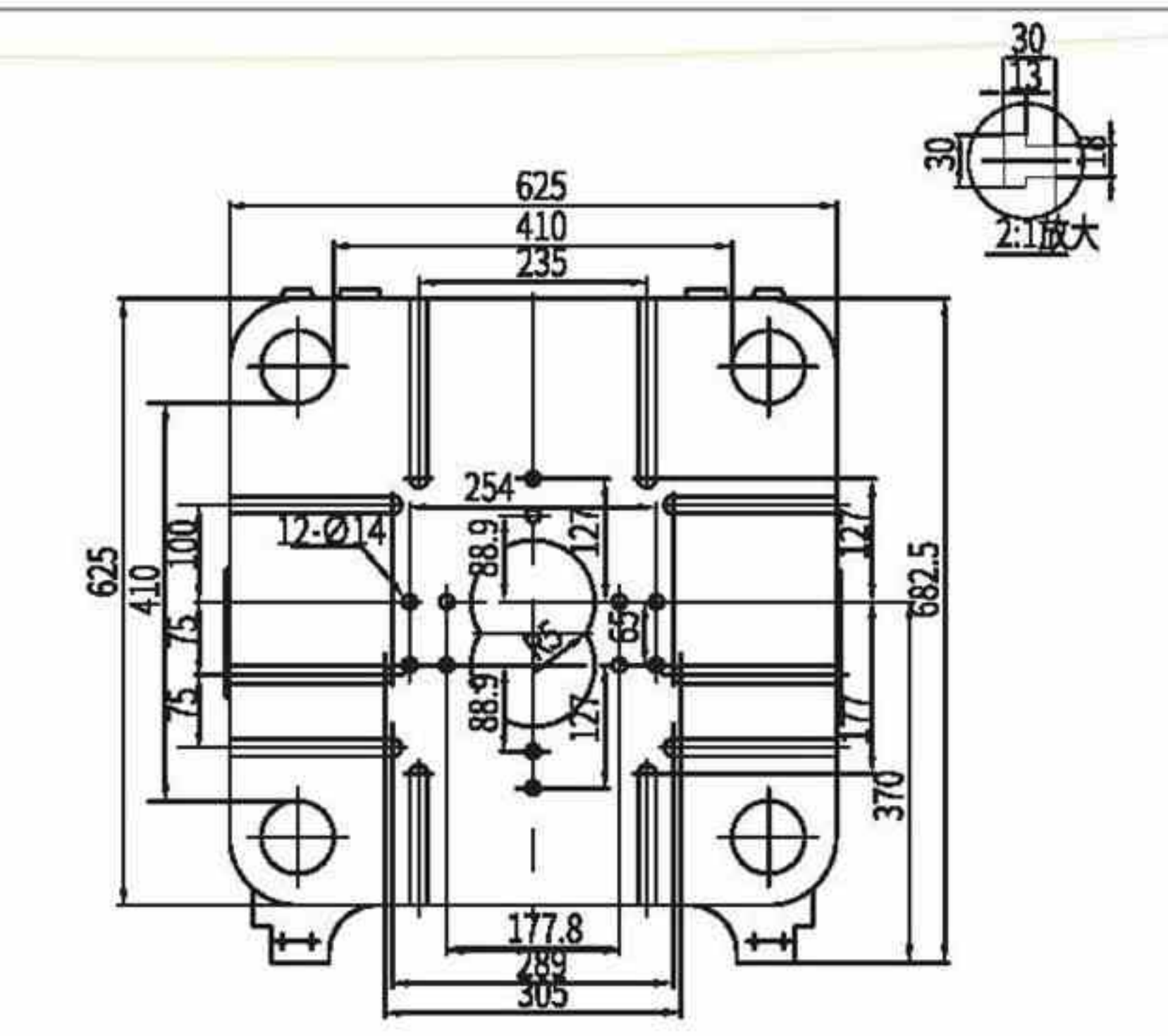
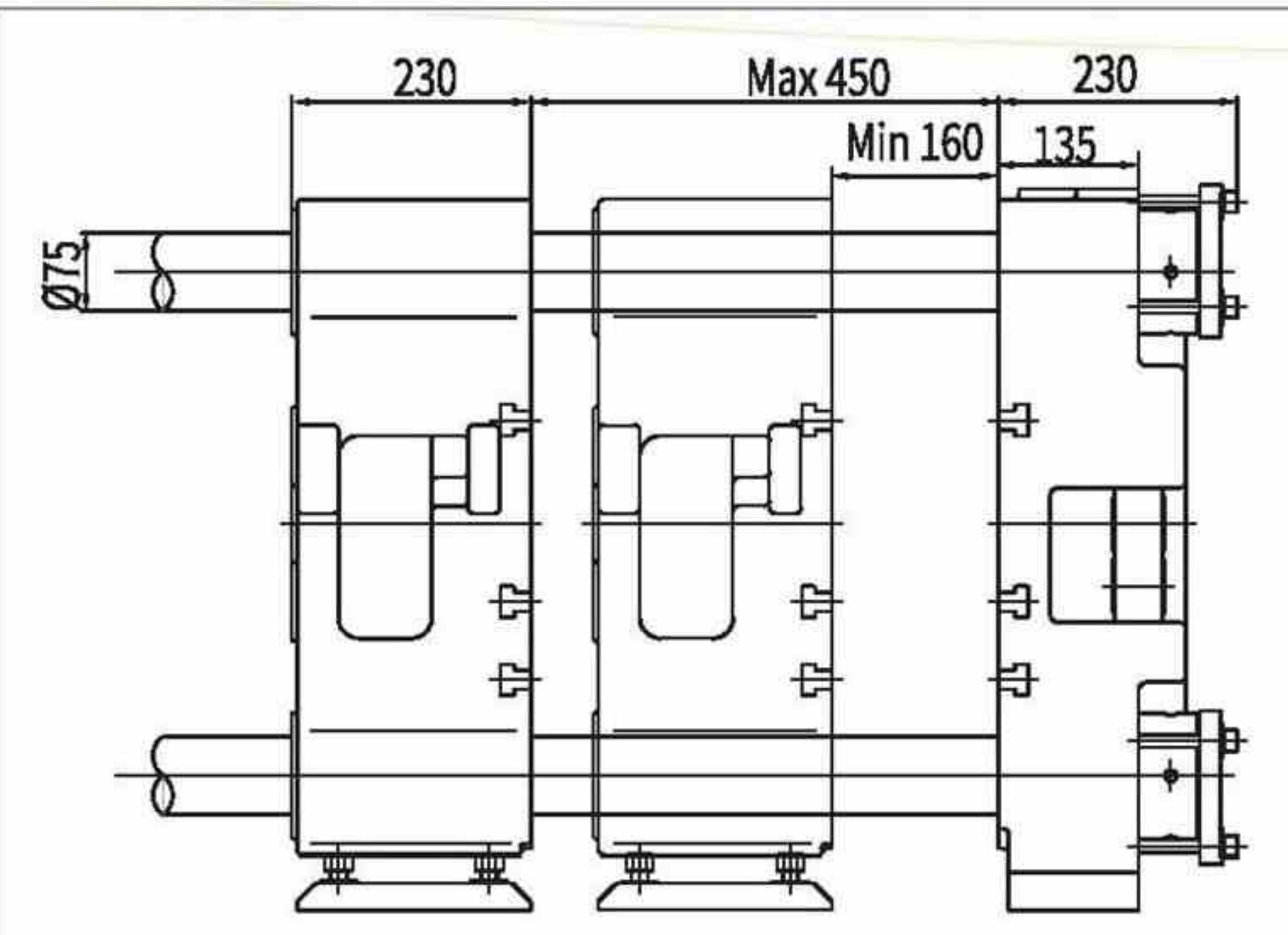
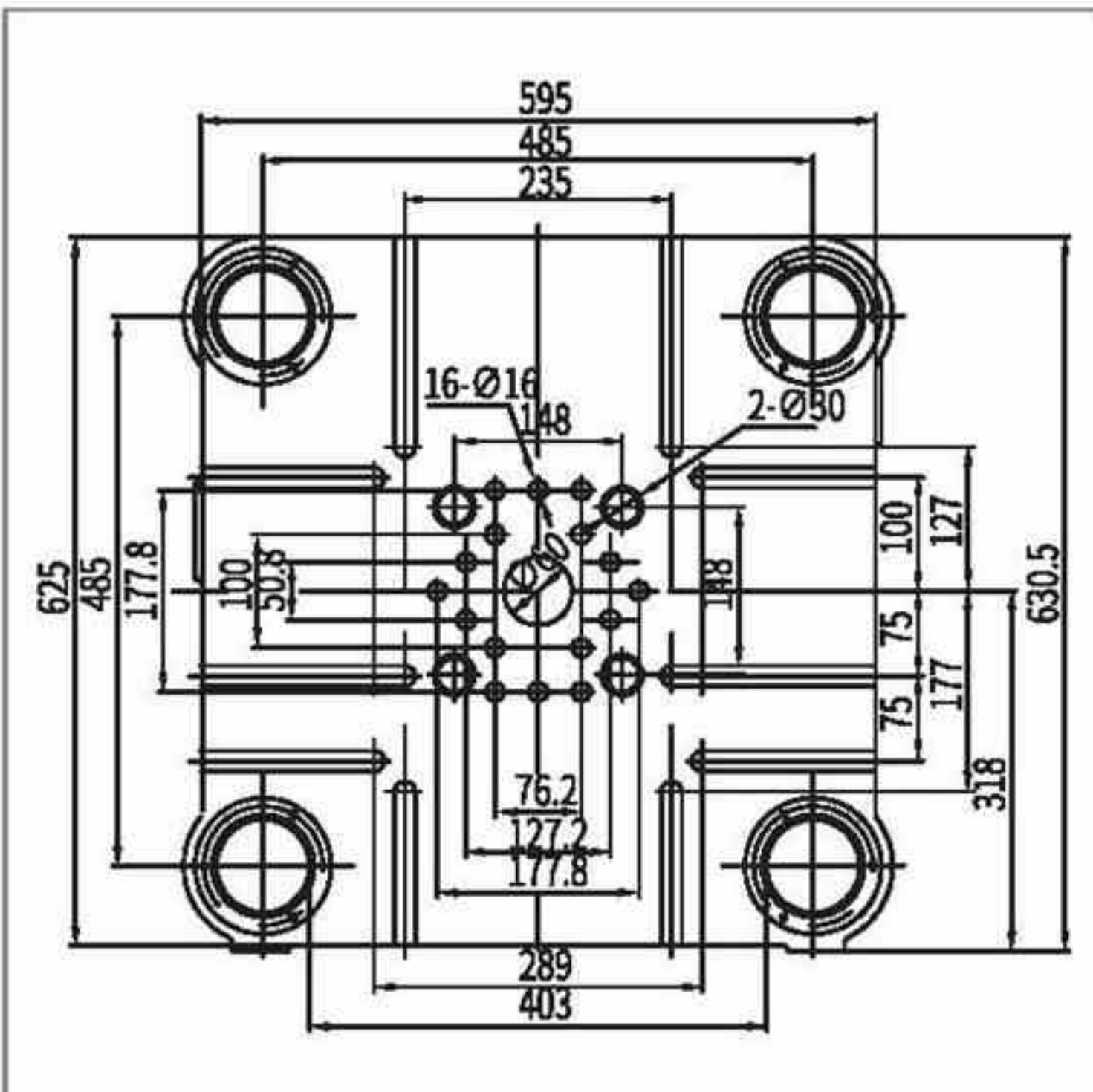
# MOLD PLATEN LAYOUT 模板图

SINCE 1993, 专注于压铸机!  
PROFESSIONAL FOR DIE CASTING MACHINE!

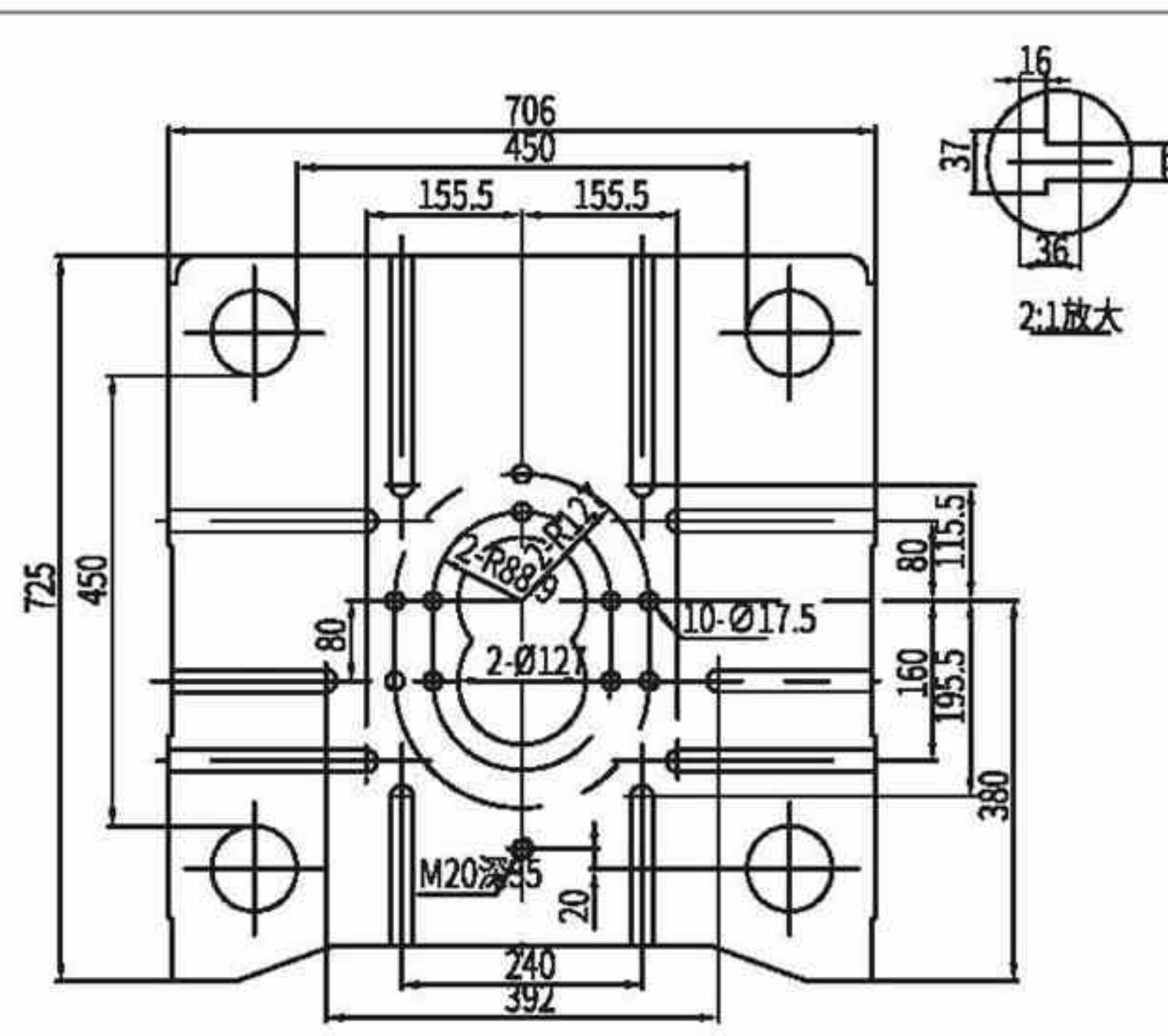
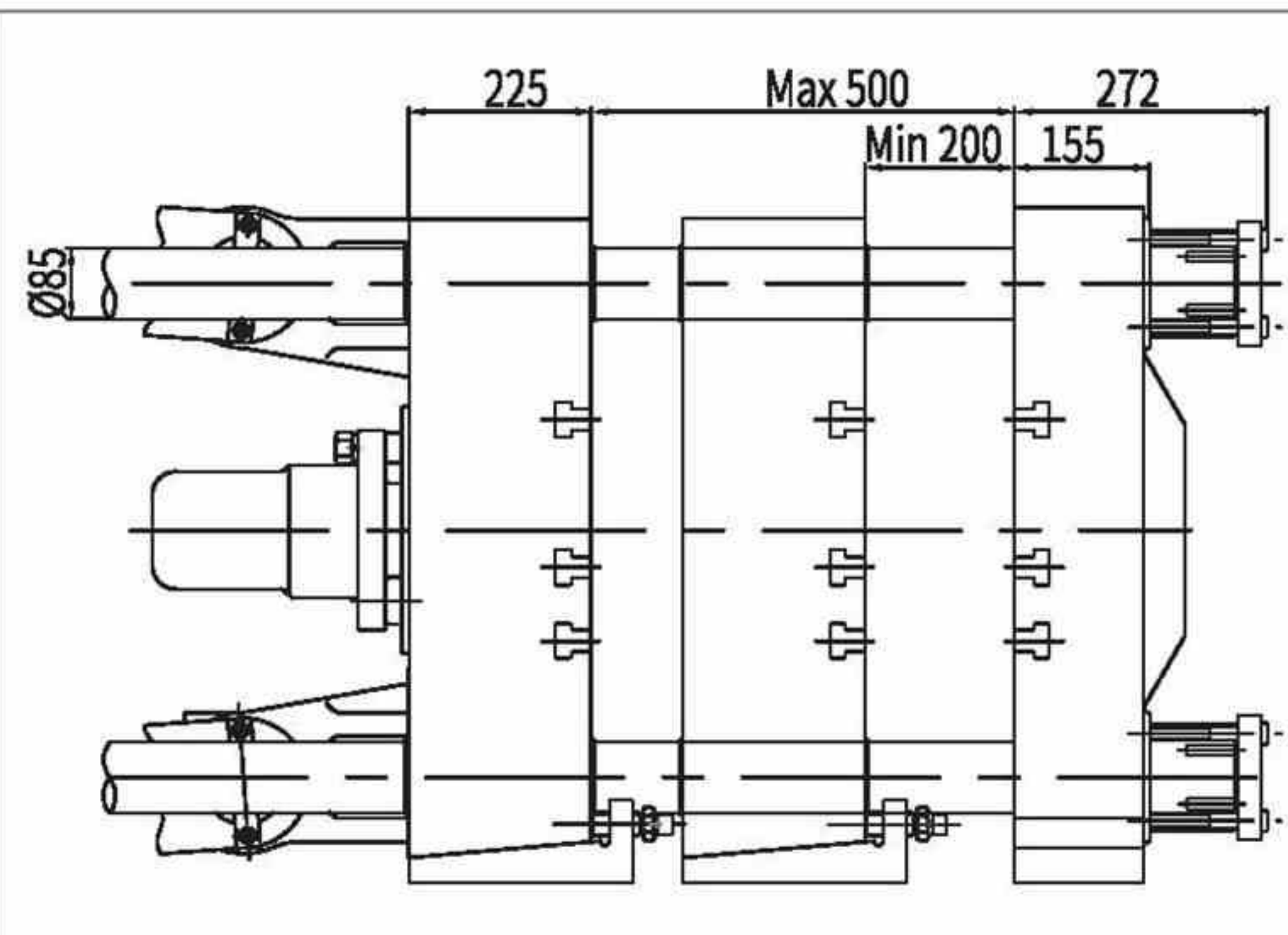
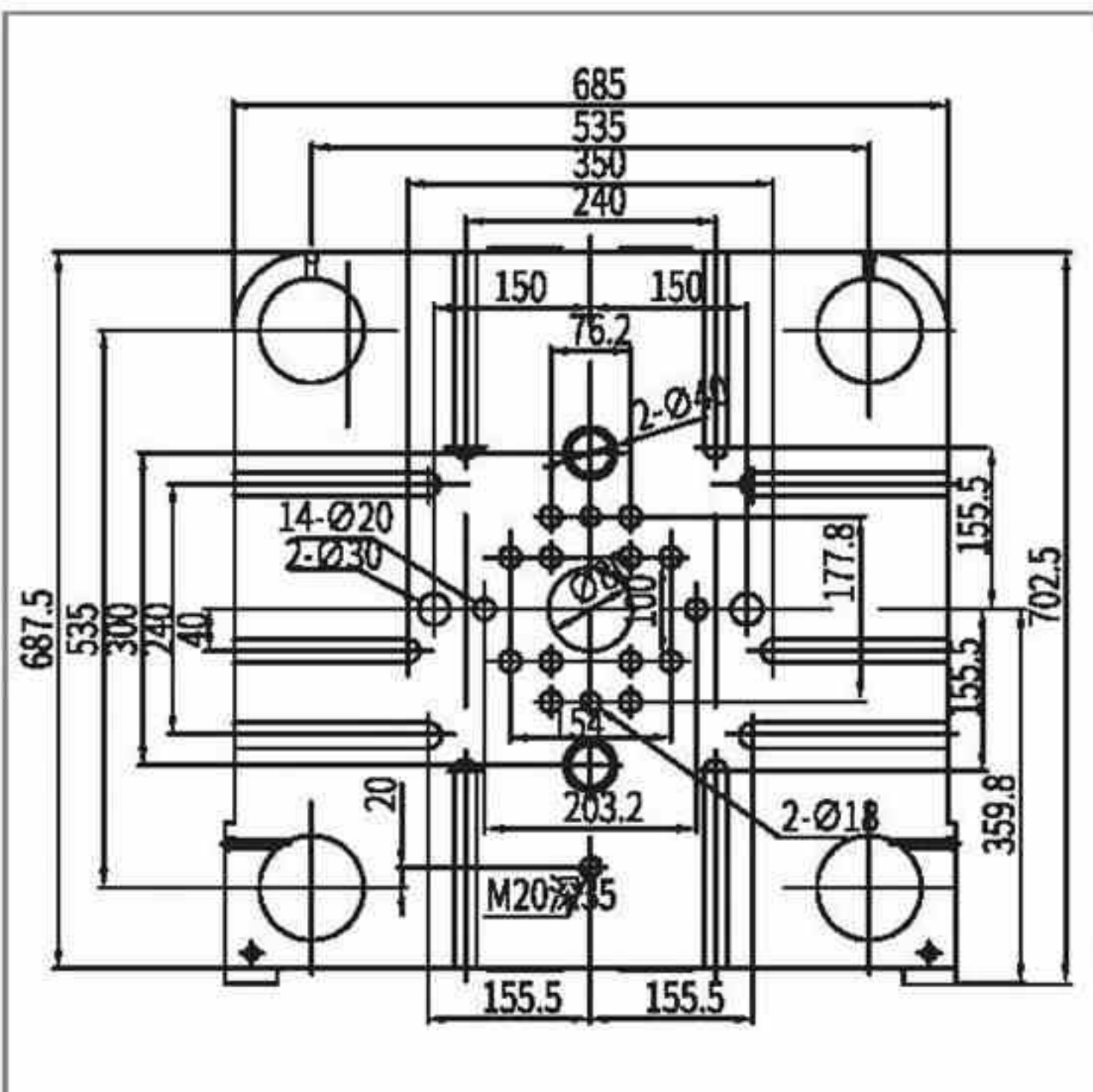
CG-88



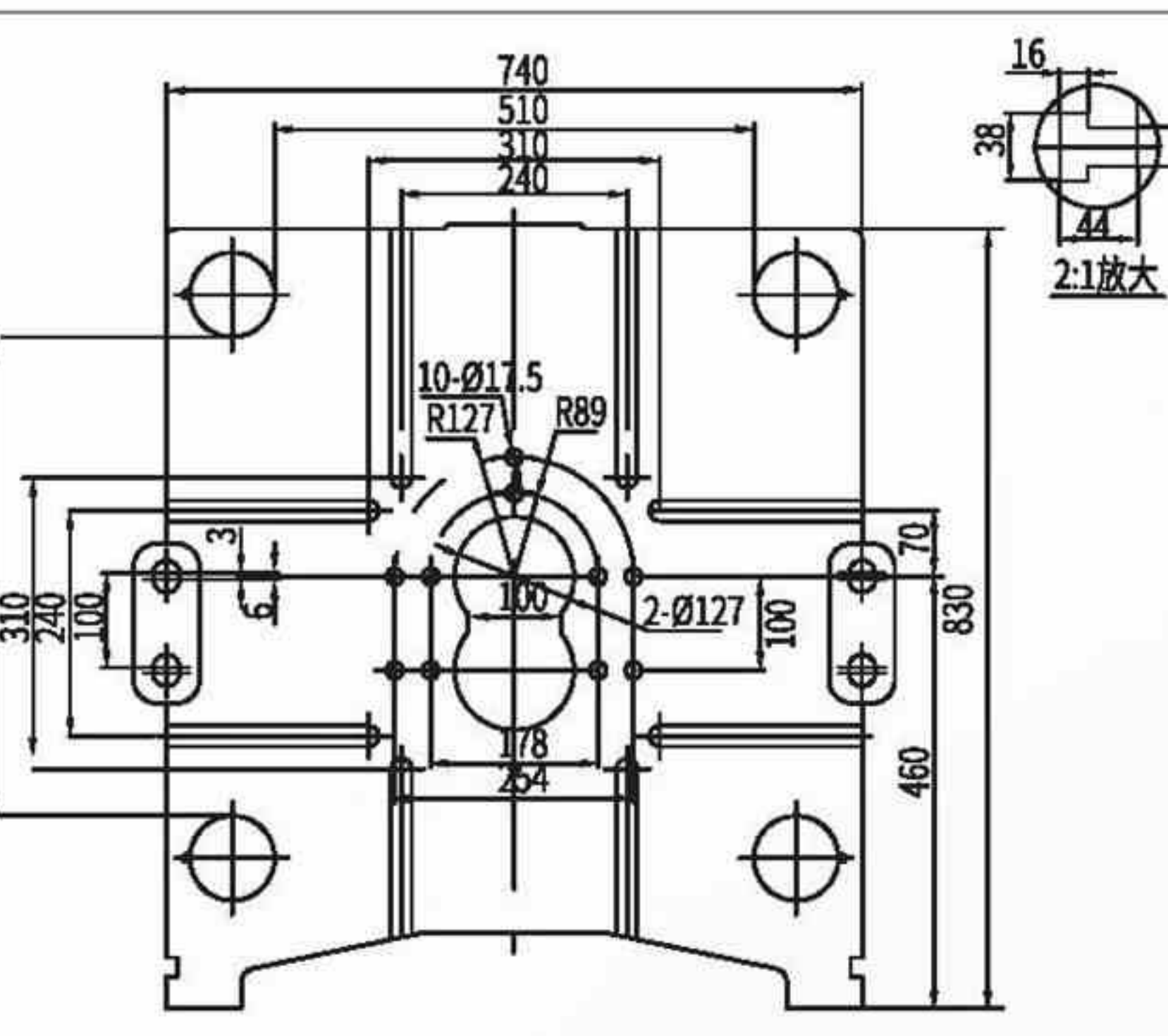
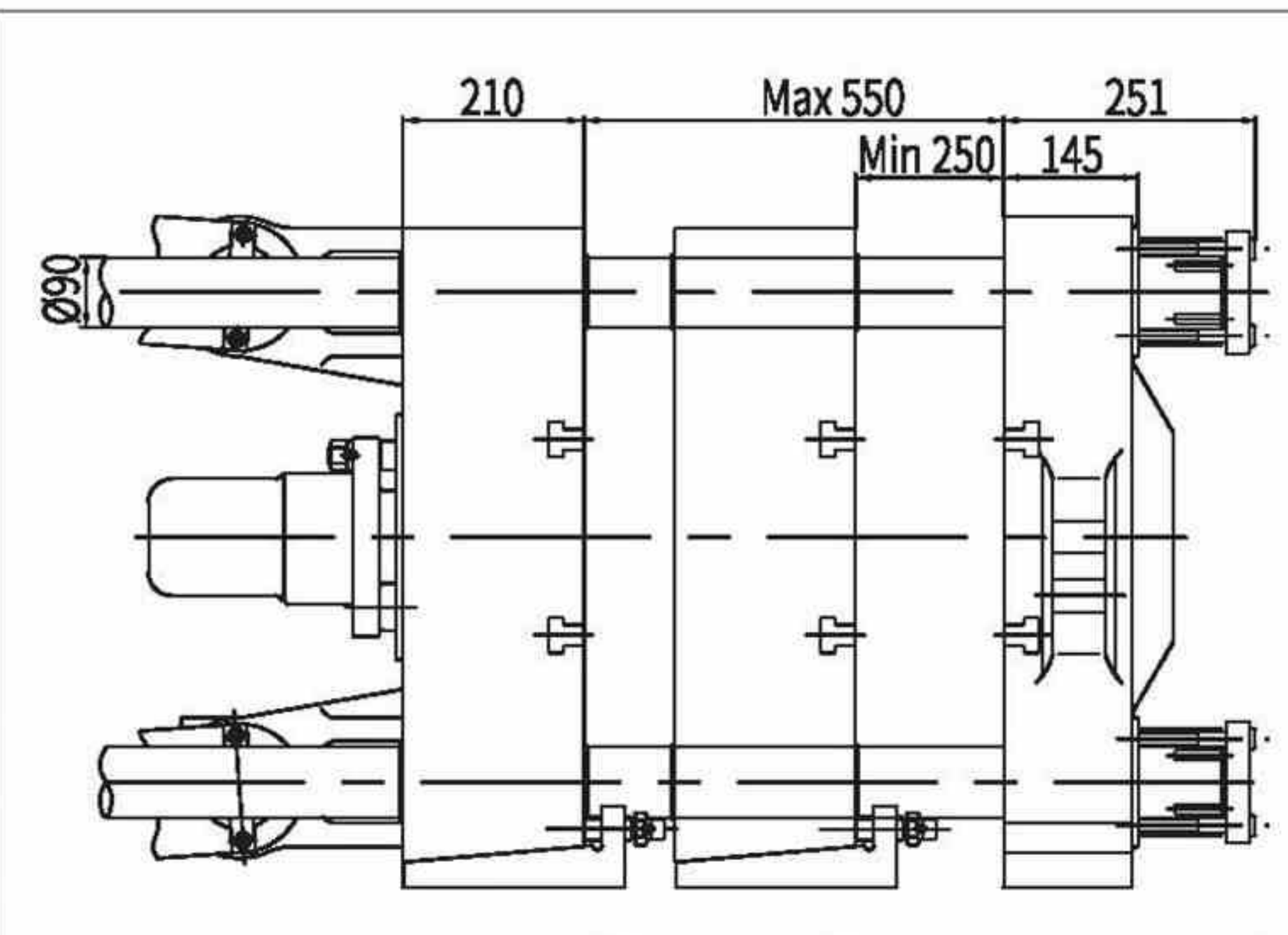
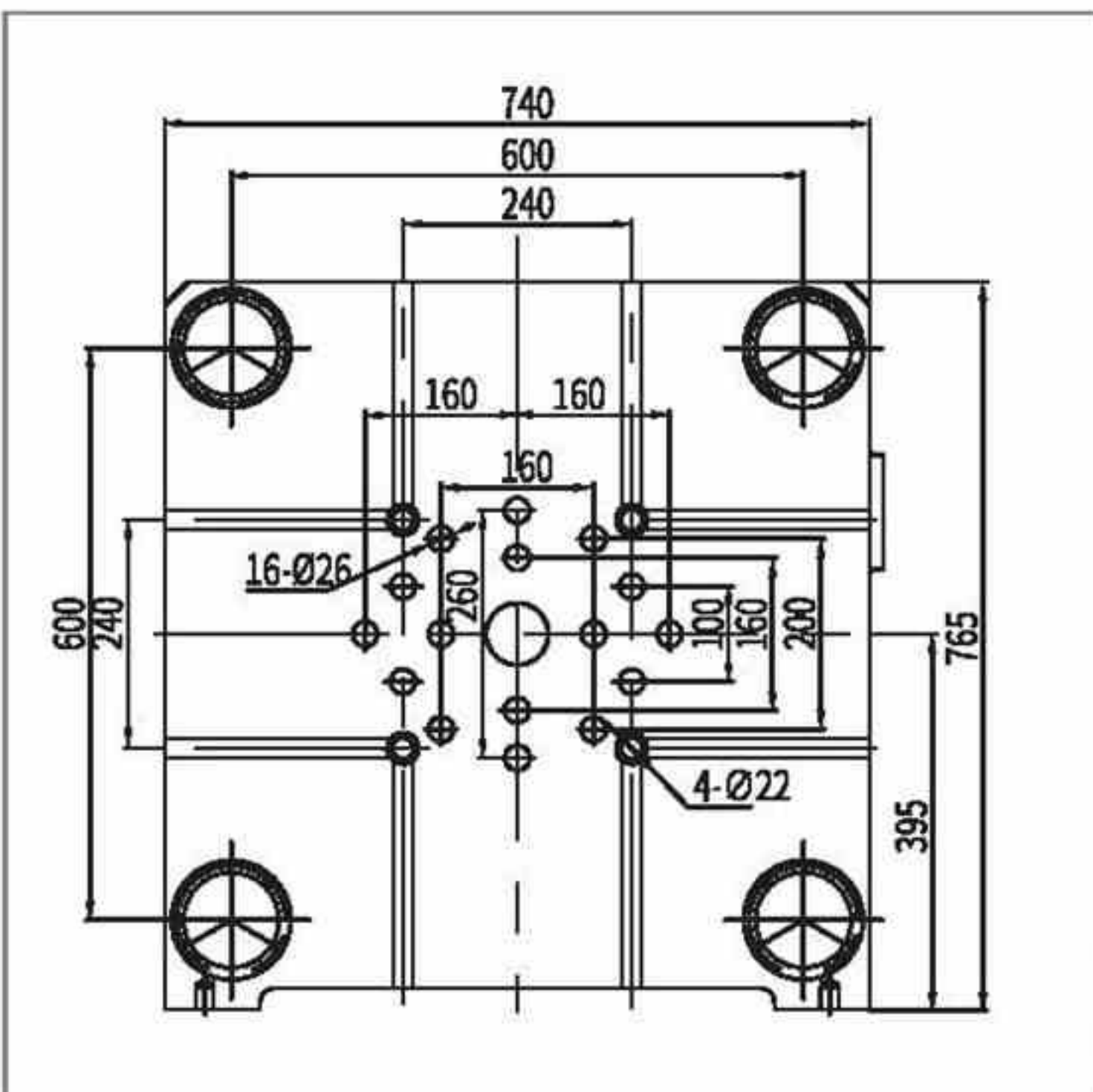
CG-130



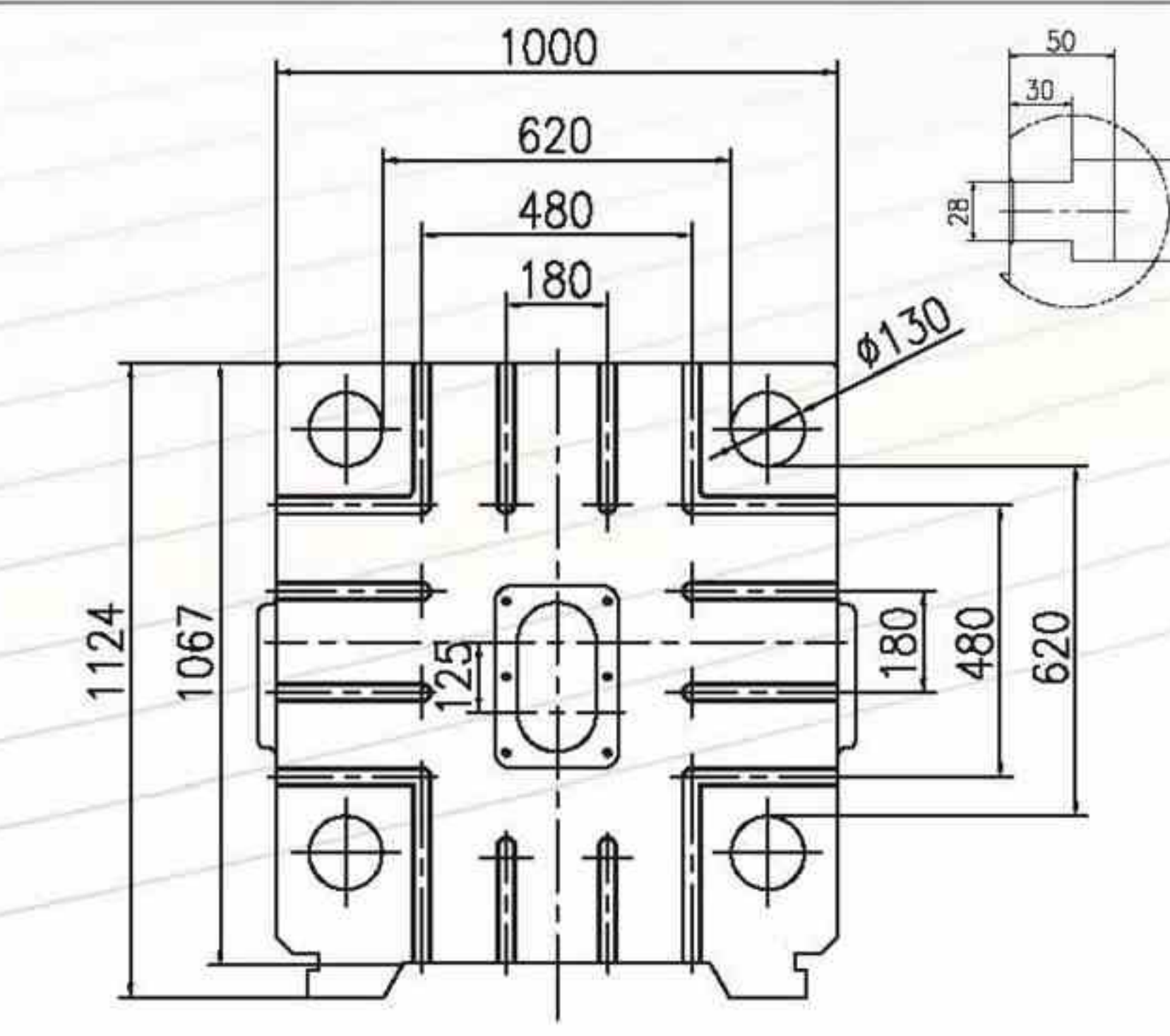
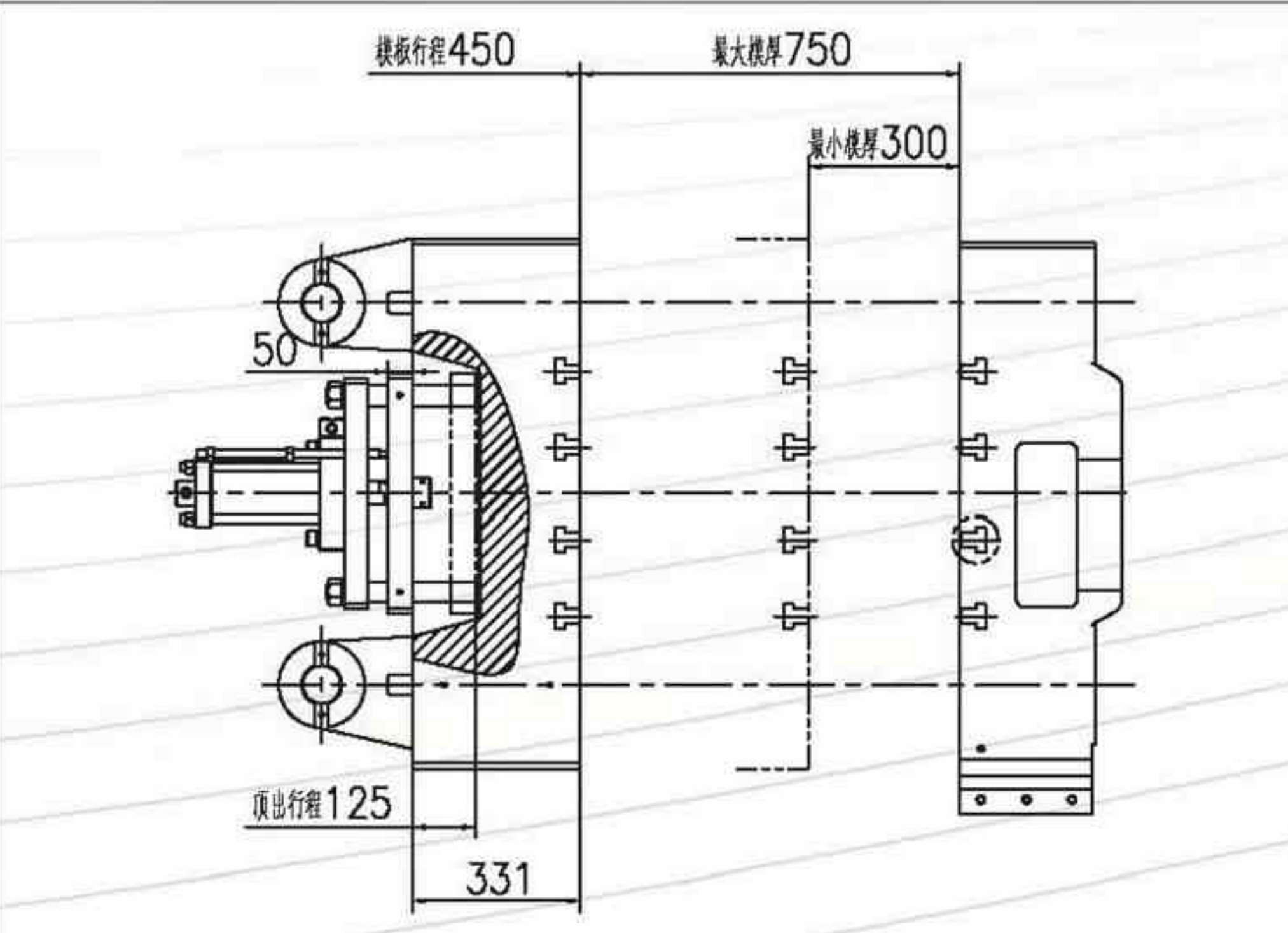
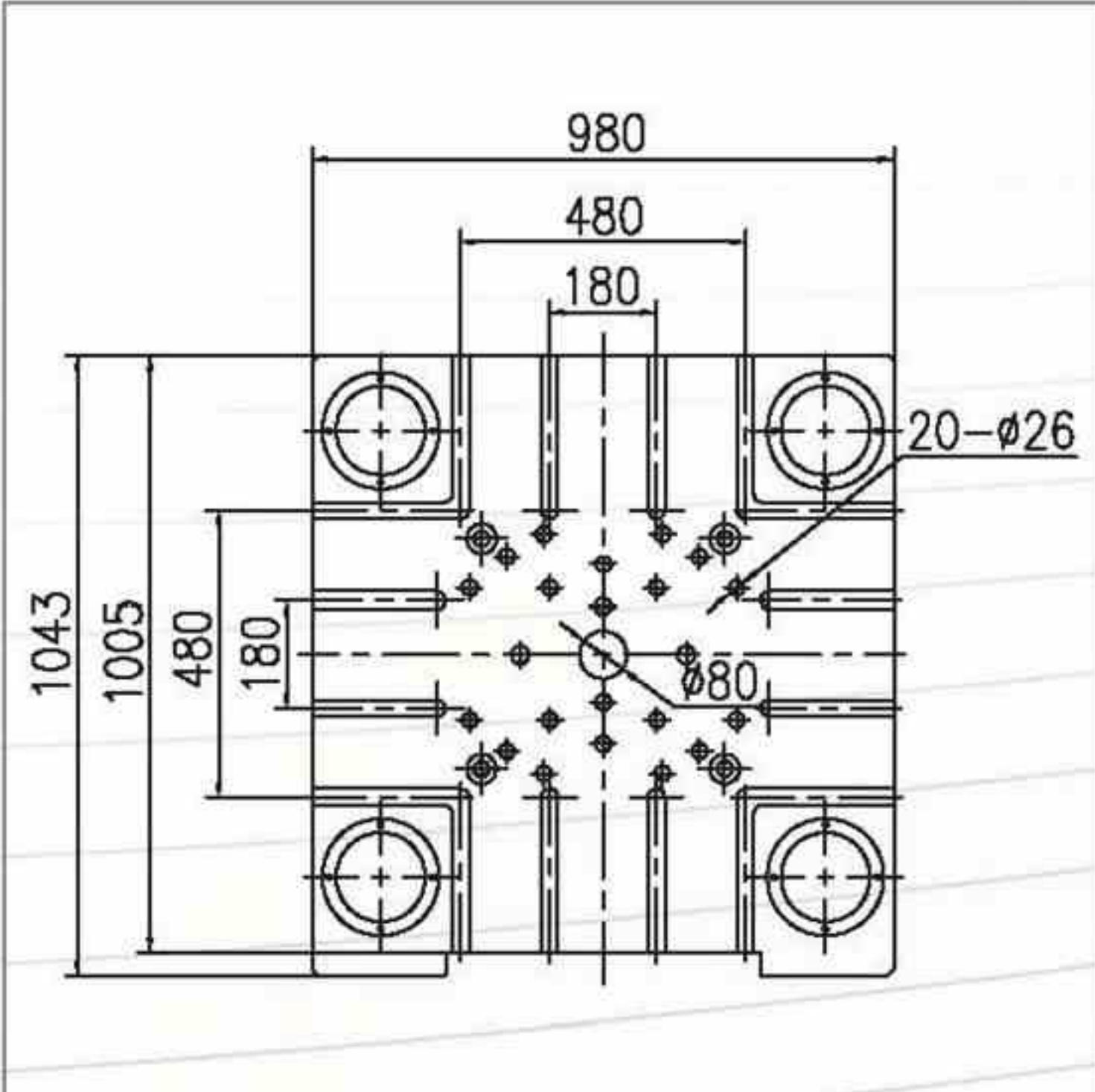
CG-168



CG-200



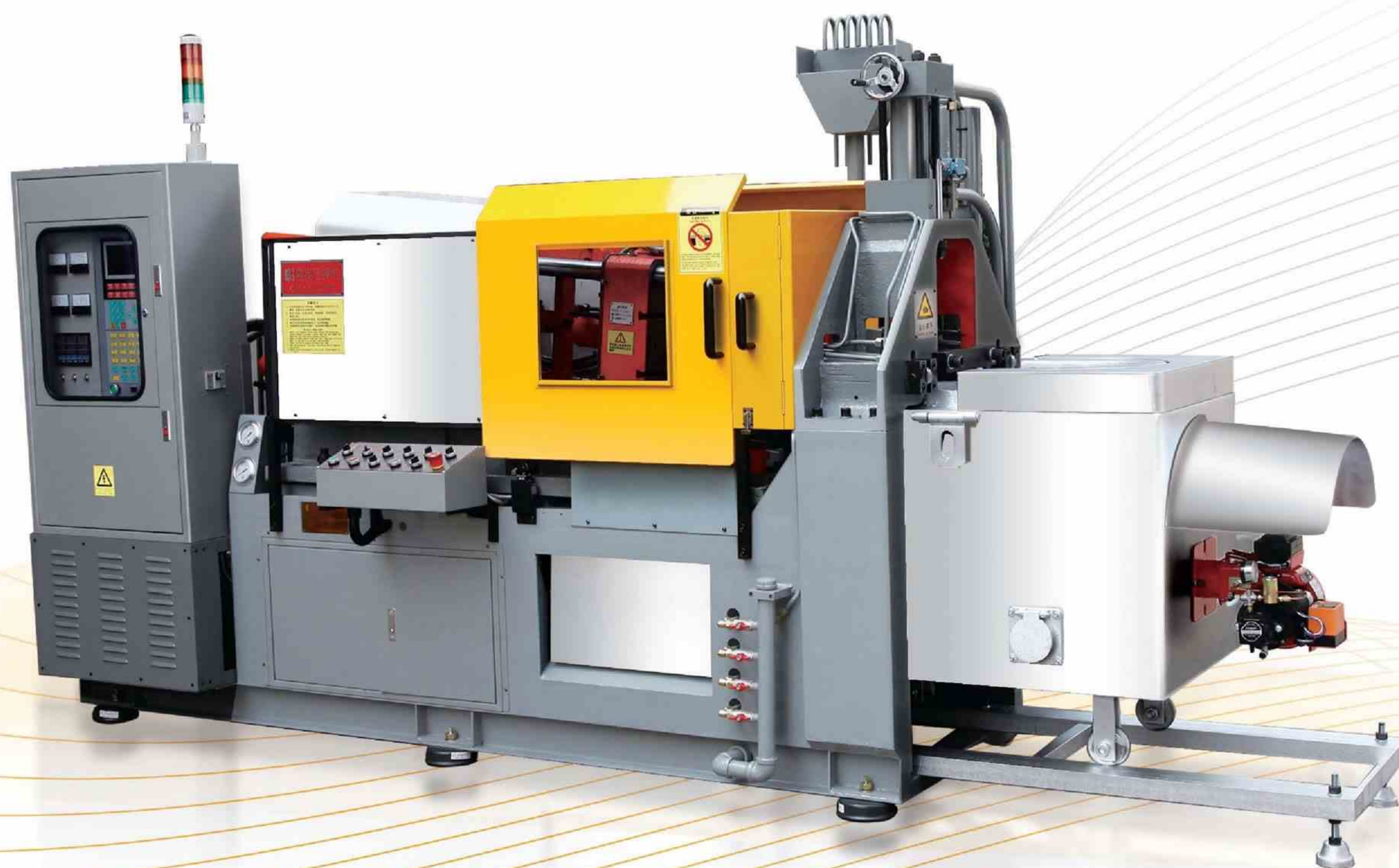
CG-400





# CM SERIES HOT CHAMBER DIE CASTING MACHINE

## CM 系列热室压铸机



全自动电脑数控  
Auto computer controller



坚固耐用的模板、强劲的机铰  
Reliable mold platen ,strong hinge



可靠耐用的欧日品牌液压元件  
Reliable European and Japanese hydraulic valve



特有的油温探测仪  
Special oil temperature sensor



自动中央润滑  
Auto lubrication



## MAIN FEATURES CM 系列压铸机特点

- 高性能：最大空射速度  $\geq 6\text{m/s}$ 。
- 头板、二板采用箱体或筋板式结构，刚度高而重量轻。
- 采用最新 MH-6117 电脑控制，动态显示，最大可储存 150 组模具数据，且故障时自动报警并显示故障位置，方便检查及维修。
- 特快锁模功能，生产周期短、效率高。
- 自动中央润滑，机铰更强劲耐用。
- 可靠耐用的欧日名牌液压元件。
- 独有的油温探测仪，确保平稳低油温状态，延长了油路元件的使用寿命。
- 先进高效的压射油路，比例流量控制，提高压铸产品的成品率。
- 射出力、锁模力大，压铸产品致密性好。
- 独有的比例式液压系统，使开 / 锁模、顶针扣咀等动作的速度及压力都可以调整到最佳状态。
- 低压锁模保护功能，保护模板及模具。
- 安全门及光幕开关，确保安全生产。
- 专利无烟筒节能熔炉，省油 30% 以上。

- Maximum air injection speed  $\geq 6\text{m/s}$ .
- First and second platen adopt box board or reinforced plate structure, high stiffness and light weight.
- Newest MH-6117 colorful computer control, store up to 150 sets of mold data, auto alarm when problem happen, easy for maintenance and repair.
- Fast mold locking function, the production cycle is reduced effectively.
- Auto lubrication system, more reliable.
- Reliable and durable European and Japanese famous brand hydraulic spare part.
- Special oil temperature sensor, stable and low temperature control, make sure spare parts longer time.
- Advanced and high effective hydraulic circuit for injection and proportional flow rate control is adopted.
- Strong locking, injection and ejection force, make sure casting product solid and dense.
- Proportional hydraulic design, make sure any speed and pressure can be adjusted freely to achieved their best status.
- Protect function of low-pressure stage of mold locking, protected mold platens and mold.
- Safety door, also adopt light sensor, more safe.
- Patent furnace, no chimney and energy-saving above 30%.



油电两用熔炉  
Oil and electrical mix furnace



进口燃烧机  
Imported furnace burner



独有不锈钢冷却水漏斗  
Stainless steel water cooling hopper



# CM SERIES HOT CHAMBER DIE CASTING MACHINE

## CM 系列热室压铸机

### SPECIFICATION CM 系列参数表

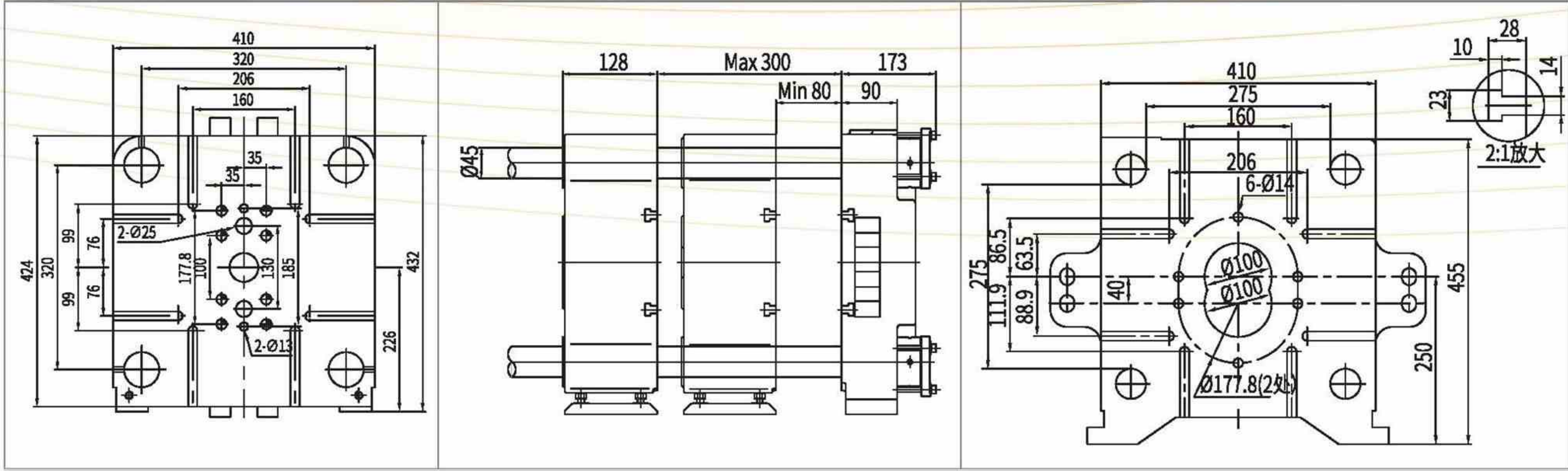
	项目 ITEM	单位 UNIT	CM-30	CM-50	CM-280
锁模系统 DIE LOCKING SYSTEM	锁模力 LOCKING FORCE	ton	30	50	280
	导柱直径 TIE-BAR DIAMETER	mm	45	50	100
	柱间空位 SPACE BETWEEN TIE-BAR	mm	275*275	310*310	560*560
	容模厚度 MOLD THICKNESS	mm	80/300	80/320	200/640
	开模行程 DIE STROKE	mm	180	220	505
	射出位置 SHOT POSITION	mm	0/40	0/50	0/100
射出系统 INJECTION SYSTEM	锤头直径 PLUNGER DIAMETER	mm	36/40	40/45	70/75
	射锤行程 PLUNGER STROKE	mm	120	130	180
	射出力 INJECTION FORCE(MAX)	ton	4.5	6	16
	最大射出量 MAX SHOT WEIGHT	kg	0.6/0.7	0.8/0.9	3.0/4.0
	离咀行程 TRAVERSE STROKE	mm	160	190	190
	坩埚容量 CRUCIBLE CAPACITY	kg	250	300	500
	电炉容量 ELECTRICAL FURNACE CAPACITY	kg	300	300	450
	铸造压力 CASTING PRESSURE	Mpa	44.1/35.7	47.6/37.7	41.6/36.2
	最大铸造面积 CASTING AREA	cm <sup>2</sup>	68/84	105/133	673/773
	顶出系统 EJECTION SYSTEM	顶出压力 EJECTION FORCE	ton	3.4	4.5
顶出行程 EJECTION STROKE(MAX)		mm	50	60	125
液压动力系统 HYDRAULIC POWER SYSTEM	马达动力 MOTOR POWER	KW	7.5	7.5	22
	电炉功率 ELECTRICAL FURNACE POWER	KW	21	21	36
	工作压力 OPERATION PRESSURE	kg/cm <sup>2</sup>	125	145	145
	油箱容量 OIL TANK CAPACITY	L	180	200	400
	蓄能器 ACCUMULATOR	L	12	16	36
其它 OTHER	机器尺寸 MACHINE SIZE	mm	L: 3305 W: 1370 H: 1700	L: 3645 W: 1410 H: 1770	L: 4915 W: 1690 H: 2145
	机器重量 MACHINE WEIGHT	ton	2.5	3	10

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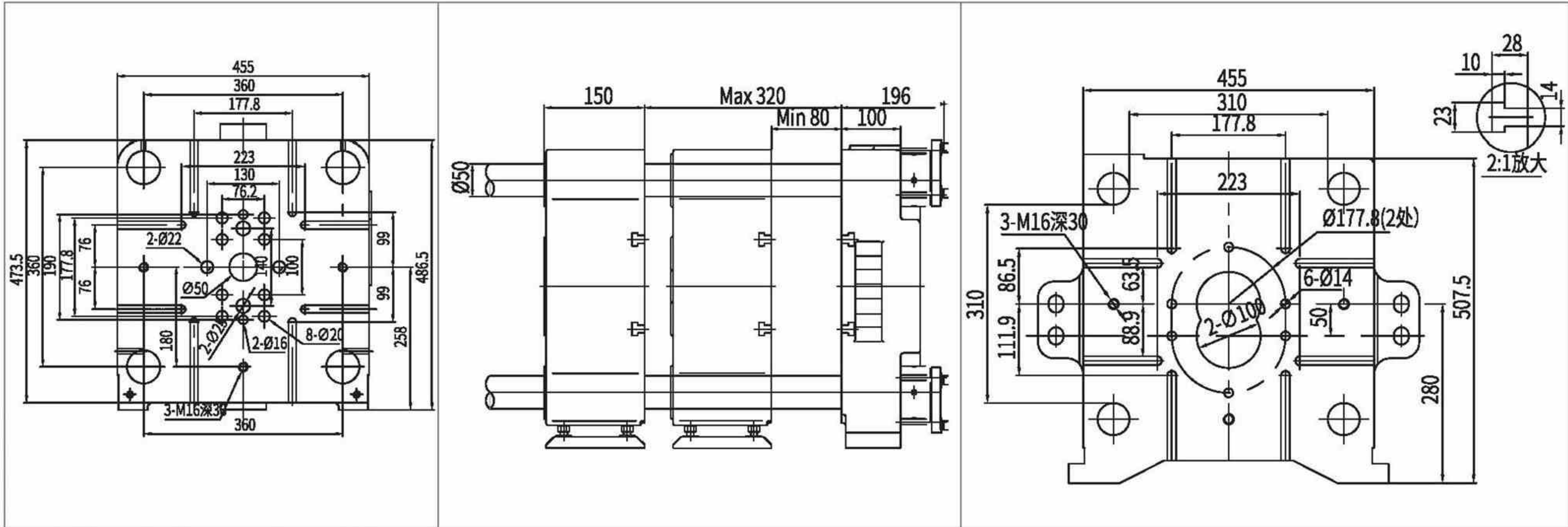


MOLD PLATEN LAYOUT 模板图

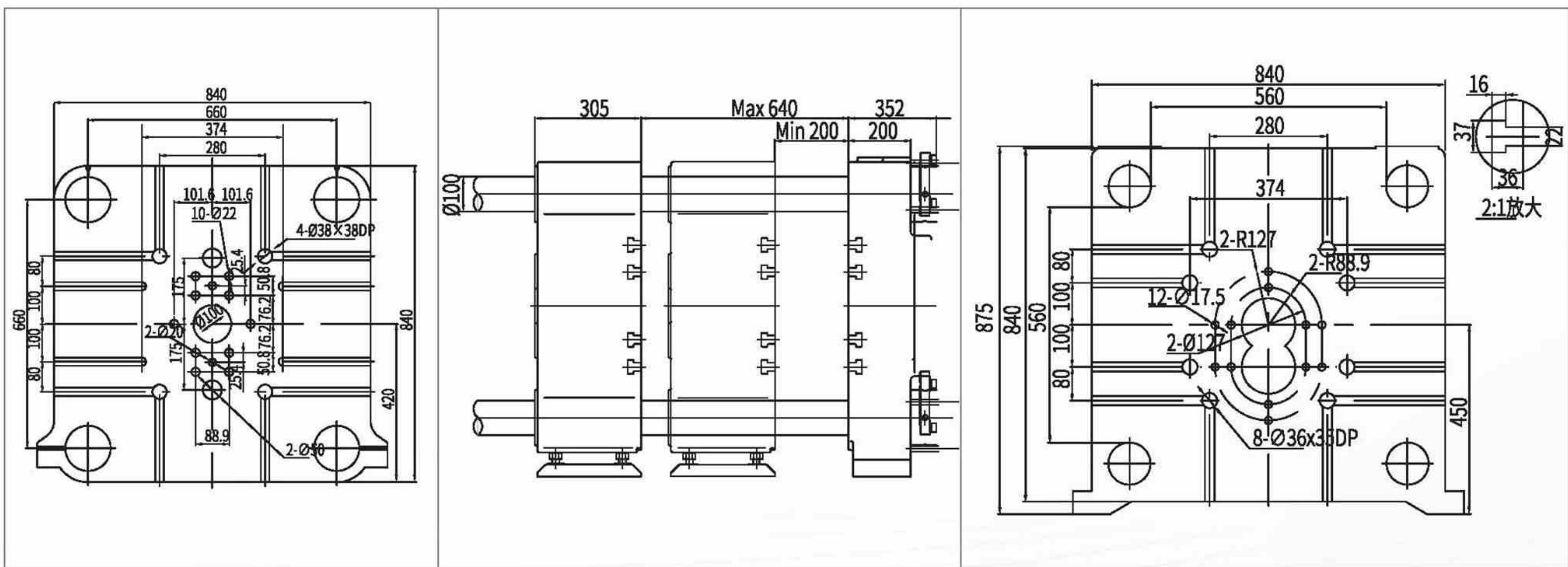
CM-30



CM-50



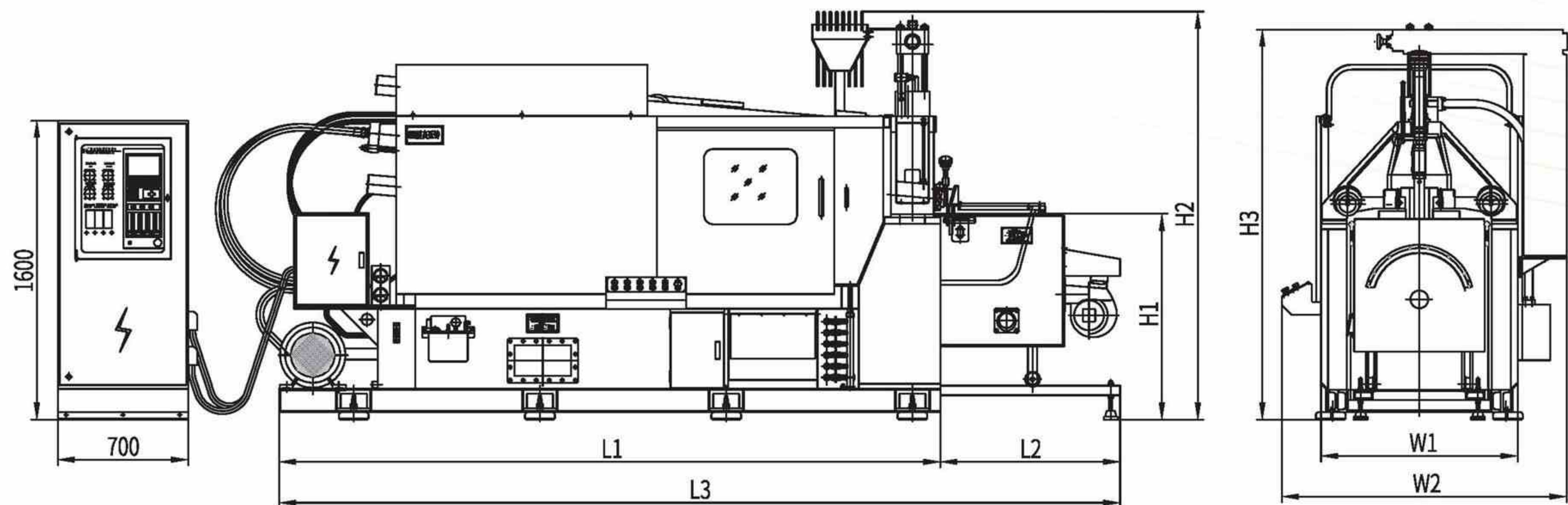
CM-280





## MACHINE OUTLINE DIMENSION

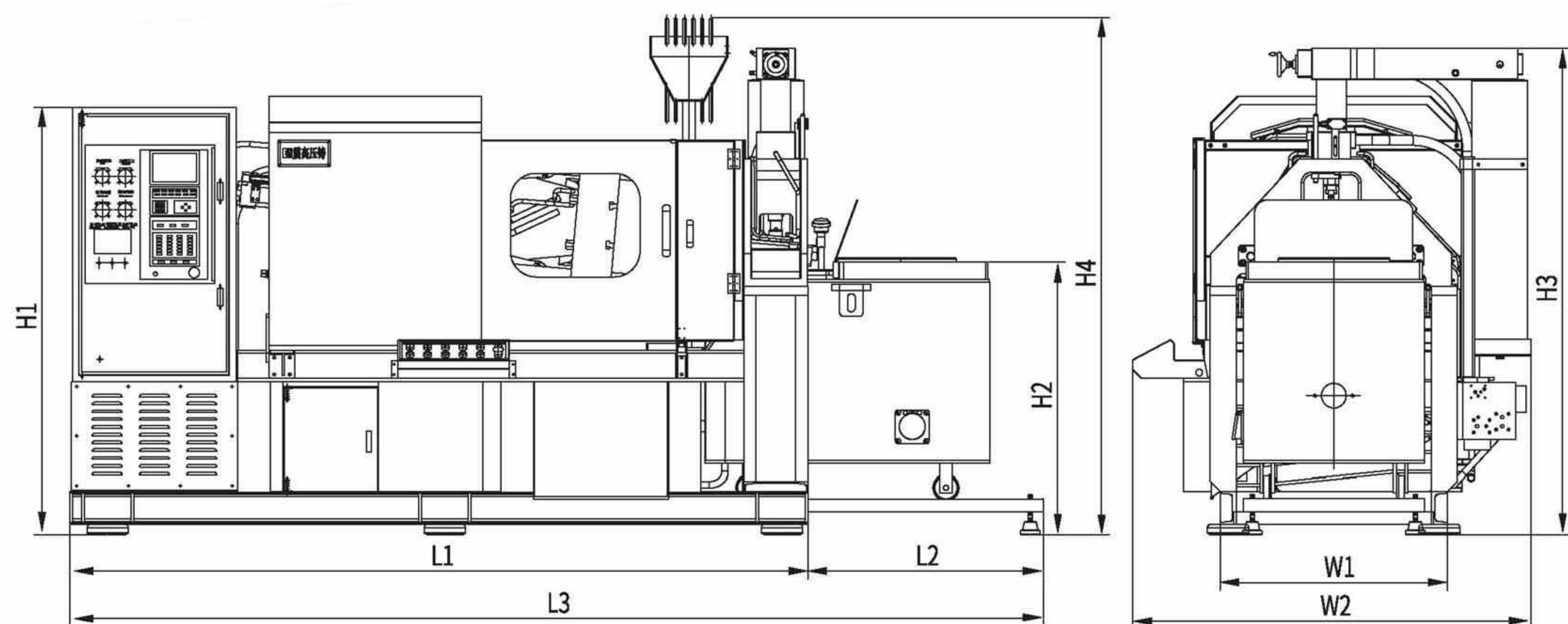
### CG 系列热室压铸机——机身尺寸示意图



尺寸 Size 机型 model	L1	L2	L3	H1	H2	H3	W1	W2
CG-88	2820	988	3808	955	1920	2055	930	1437
CG-130	3137	992	4192	1033	1999	2100	950	1460
CG-168	3550	965	4515	1102	2118	2214	1056	1531
CG-200	3840	965	4805	1047	2369	2369	1050	1686
CM-280	3950	965	4915	1095	2145	2060	1056	1531
CG-400	5230	1000	6230	1230	2700	2950	1530	2200

## MACHINE OUTLINE DIMENSION

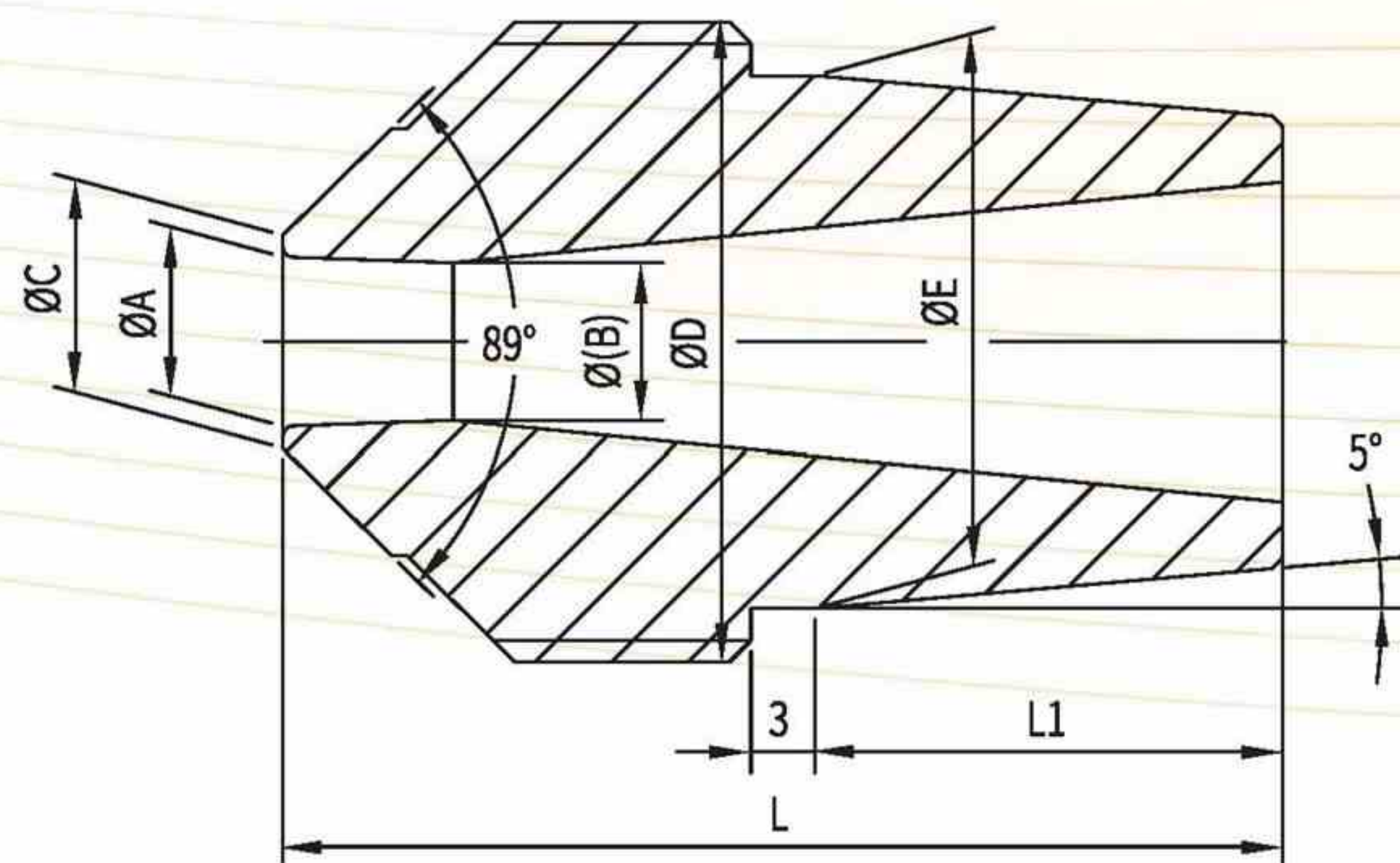
### CM30/CM50 热室压铸机——机身尺寸示意图



尺寸 Size 机型 model	L1	L2	L3	H1	H2	H3	H4	W1	W2
CM-30	2525	780	3305	1600	905	1700	1700	804	1370
CM-50	2735	910	3645	1600	974	1770	1990	864	1410

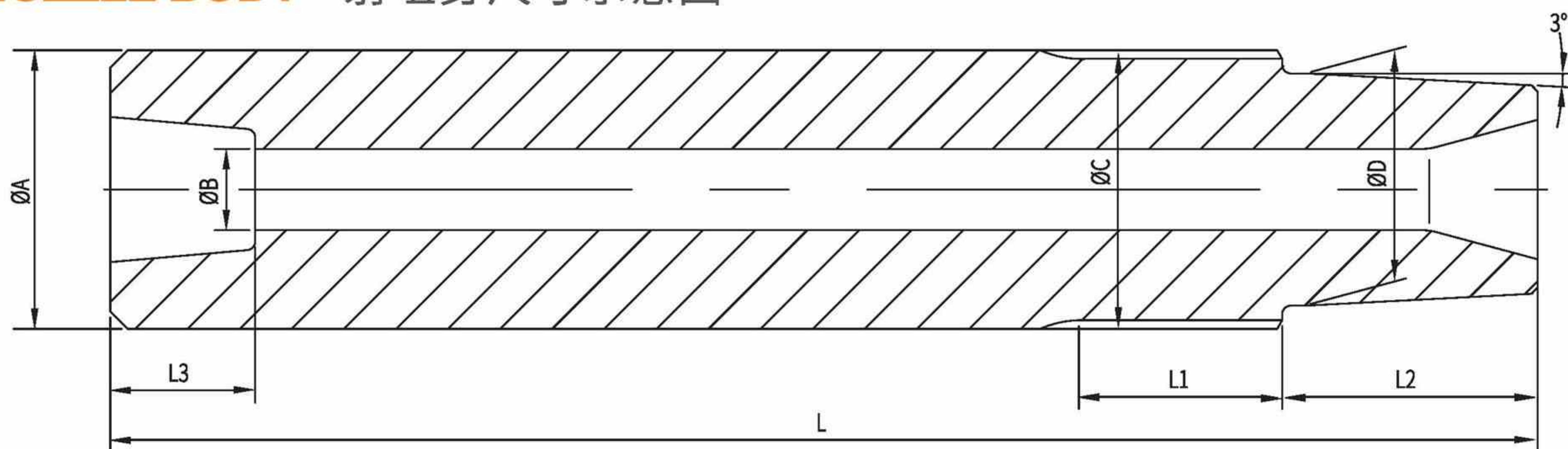


## NOZZLE 射咀尺寸示意图



L1	22								25	
L	47								55	
φE	φ25								φ32	
φD	M30×2								M39×2.5	
φA	5	6	7	8	9	10	11	12	13	14
φ(B)	4.4	5.4	6.4	7.4	8.4	9.4	10.4	11.4	12.65	13.65
φC	7	8	9	10	11	12	13	14	15	16
适用 机型 model	CM-30				CG-130					
	CM-50		CG-88		CG-168		CG-200/CM-280			

## NOZZLE BODY 射咀身尺寸示意图



机型 Model	L	L1	L2	L3	φA	φB	φC	φD
CM30	225	25	44	25	φ42	φ12	M46×3	φ40
CM50	225	25	44	25	φ42	φ12	M46×3	φ40
CG88	270	35	44	25	φ48	φ14	M48×3	φ40
CG130	290	35	44	25	φ48	φ14	M48×3	φ40
CG168	310	35	44	25	φ48	φ16	M48×3	φ40
CG200	336	45	61	28	φ55	φ16	M55×3	φ47
CM280	337	35	60	28	φ58	φ18	M60×3	φ54

### STANDARD FEATURES 标准装置

- 快速锁模
- 低压锁模保护
- 自动调模
- 油压多次顶出
- 油压扣咀
- 自动中央润滑
- 油温探测仪
- 节能柴油熔炉、电熔炉
- 普通型压射系统
- MH-6117 电脑控制
- 敞开式或闭水式冷却系统
- 电热射咀、鹅颈等热作件
- 油压升降模具偏心装置
- High speed clamping
- Low pressure clamping device
- Automatic mold thickness adjustment
- Hydraulic multiple ejector
- Inclined clamping unit
- Automatic lubrication system
- Oil temperature sensor
- Energy-saving diesel oil furnace
- Normal injection system
- MH-6117 computer controller
- Open or close water cooling system
- Hot-work spare part ,gooseneck ,nozzle and so on
- Hydraulic hoist mold bottom position

### OPTIONAL FEATURES 选购装置

- 横梁式加强型压射系统
- 专利节能天然气 / 柴油熔炉
- 油电两用熔炉
- 单抽芯装置
- 双抽芯装置
- 自动打头装置
- 自动喷雾装置
- 取件喷雾一体机、自动输送机
- 自动安全门、光幕感应安全装置
- “L”型模具吊架装置
- Strong Beam type injection system
- Energy-saving natural gas furnace
- Oil and electrical mix furnace
- Single valve core
- Double valve core
- Auto beat by blow
- Auto spray
- Auto extractor with spray ,and belt conveyor
- Auto safety door , light sensor safety equipment
- L style mold hoisting shelf

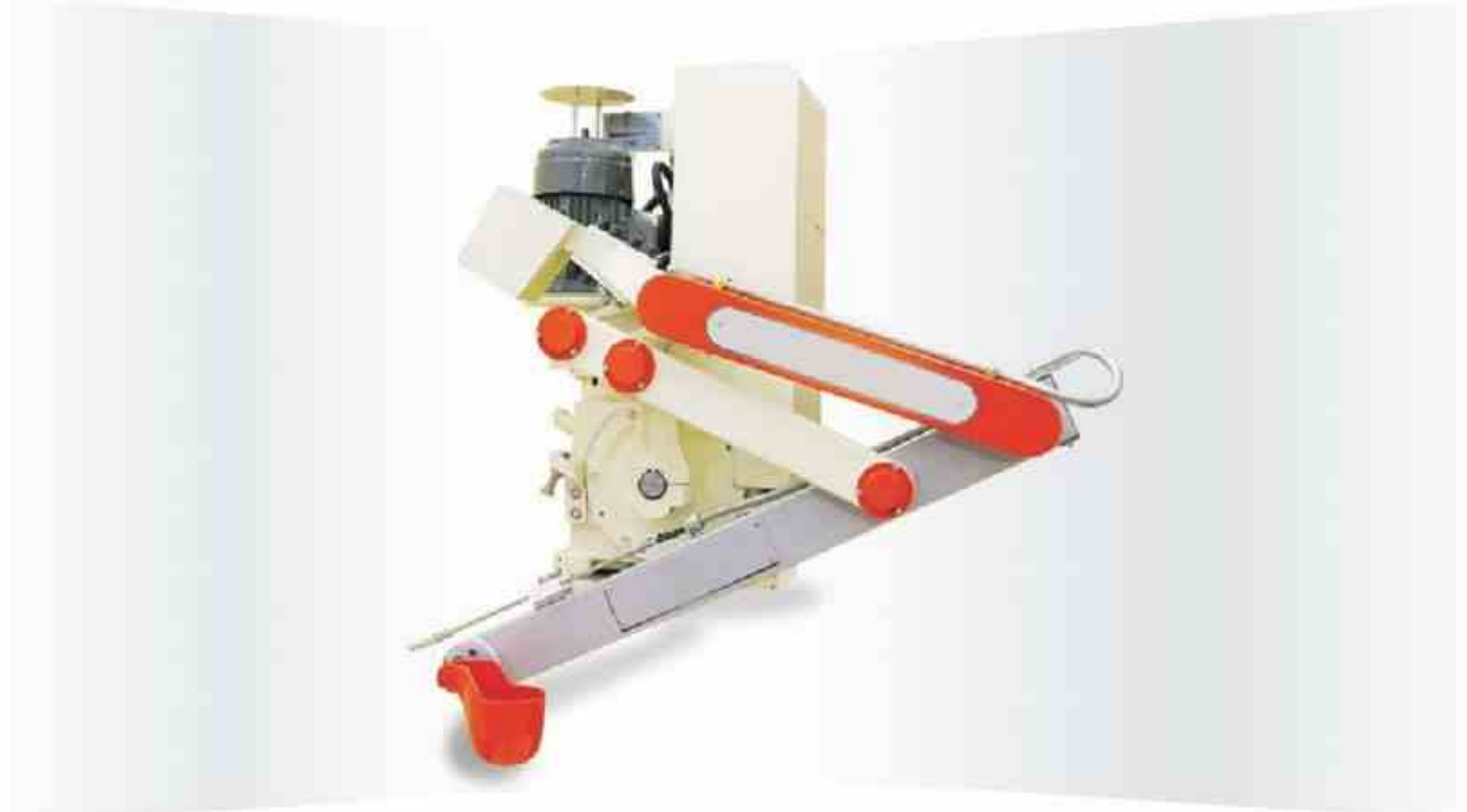


# AUXILIARY DEVICES

## 周边设备

### AUTO LADLE

#### 自动给汤机



- 五连杆式机构，双包络蜗轮蜗杆传动，增强平稳性和产量。
- 箱体一体成形，精准度高。
- 各个动作独立变频器控制，给汤速度快，操作容易。
- 随时平稳刹车，铝汤不易溢出。
- PLC 控制，故障码显示功能，易于检修。
- Five-point linkage structure, higher stability and output.
- High precision.
- Independent transducer control, higher speed and easy operation.
- Brake smoothly, aluminum alloy will not leak.
- PLC control, failure codes display, easy to repair.

### AUTO SPRAY

#### 自动喷雾机



- 可选择直立前定点及直立后定点功能，增加生产成品速度，坚固耐用。
- 特有雾化器，雾化效果好，更适用于生产薄铸件。
- 喷涂时间、喷涂量可单独调整。
- 上升吹气功能，模面清洁干净。
- 防落装置，以防止气压源停止时，喷头下滑。
- PLC 控制回路，具有故障码显示功能，维修方便。
- 脱模剂配比机。
- Can chose to stand up before and after vertical fixed point function, increase productivity, more durable.
- Perfect atomizing effect, special for thin casting product.
- Spray time and quantity can be adjusted independently.
- Blowing function when up, mold surface more clean.
- Falling down avoidance to protect sprayer slider down when stop.
- PLC control, failure codes display, easy to repair.
- Mold release agent.

### AUTO EXTRATOR

#### 自动取出机



- 多种取出模式，适应多样模具。
- PLC 控制回路，具有故障码显示功能，维修方便。
- 进口电器元件，提高耐用度。
- Different extract model, suitable for mold.
- PLC control, failure codes display, easy to repair.
- Famous imported electrical spare part, durable.

### PLUNGER LUBRICATION MACHINE

#### 柱塞颗粒机



- 操作简便，加料方便。
- 无料时自动报警。
- 进料量大小，可以控制自如。
- 无论大小柱塞颗粒，均可使用。
- 可选择单次及多次压铸合模周期，用料一次，减少用量，节省成本。
- 给料精准，坚固耐用，故障率低。
- Operate easily, feeding convenient.
- Alarm without lubrication granule.
- Feeding quantity can be controlled easily.
- Both big and small granule can be used.
- Feeding per every shot or many shots can be chosed, reduce consumption, save cost.
- Low trouble and long life, more prices.

### MOLD RELEASE AGENT

#### 脱模剂配比机



## MOLD TEMPERATURE CONTROLLER 模温机



- 独特的热交换模块设计，标准加热、冷却以组件管筒形式换入。
- 微电脑控制，系统控温精确 ( $\pm 5^{\circ}\text{C}$ )。
- 减少模具表面温度波动，延长压铸模具寿命。
- 适合生产薄壁铸件。
- Unique heat exchange design.
- Computer control, precise control ( $\pm 5^{\circ}\text{C}$ )
- Reduce temperature change, make sure mold longer life.
- Suitable for thin casting product.

## EXTRACTING ROBOT 机器人



- 友好人机界面，编程，操作方便。
- 可长时间运行，故障率低。
- 精度高，更精准稳定生产。
- 速度快，操作周期短。
- Friendly interface ,easy operation .
- Long time working ,low trouble rate .
- High precise ,more stable .
- Fast speed ,short operation time .

## SERVO EXTRACTOR WITH SPRAY 伺服热室取件喷雾一体机



- 手臂前进等待功能，使夹取速度加快、增加成品生产速度 20%-30%。
- 可分前夹、后夹，使用方便。
- PLC 控制回路，具有故障码显示功能，维修方便。
- 采用伺服控制，夹取更平稳，品质提升 10%-50%。
- Extractor arm forward holding function, increase the clamping speed and productivity about 20%-30%.
- Clip forward or backward can be chosed, convenient for operation.
- PLC control, failure codes display, easy to repair .
- Servo control, more stable, increase quality 10%-50%.

## AUTO BLET CONVEYOR 输送机



- 前后两端高度可根据需求随意调节，操作方便。
- 全链条传动，平稳顺畅。
- 采用耐高温带面，使用寿命长。
- 侧板封闭式设计，防止物品掉入而影响顺畅运行。
- 连续传动与间歇传动双模式，随时互换。
- 脚座采用万向脚轮，移动方便。
- In the front and rear ends height can be adjusted according to the demand, convenient operation.
- Chain transmission, smooth.
- High-temperature belt surface, longer life.
- All side closed design, to prevent the goods fall into, and effect smoothly.
- Continuous and intermittent transmission mode can changed freely.
- Adopt moving wheel, convenient.





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