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# Multi-Component Injection Molding Machine
# 多组分注塑成型机

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浙江省二轻集团

# SOUND
## Multi-Component Injection

It is suitable for all common multi-component injection molding processes: two-component injection molding, composite injection molding and sandwich injection molding, as well as positioning and rotation of molding parts.

适用于所有常见的多组分注塑成型工艺：双组分注塑成型、复合材料注塑成型和夹芯注塑成型，以及成型部件的定位和旋转。

Master Core Technology
Be Pioneer Of The Industry

## 掌握核心技术
## 引领行业先锋

# High Performance
## 高性能

# Advanced
## 先进

# Innovate
## 创新

### High Performance CPU
### 高性能中央处理器

Equipping high capacity CPU to reserve fast mold change system, remote internet monitor and managing system for users. And can equip sensors for injection pressure and molding filling to precisely control all kinds of complex molding conditions.

配备大容量中央处理器，为用户预留快速换模系统、远程网络监控及管理系统，可加装射压和充模传感器，精确掌握各种复杂成型条件。

### Advanced Technology Application
### 先进技术应用

More advanced technology applications focusing on performance, for example, flexible screw connection device, molding heat-insulation board and magnetic board interface, ejector delay function, sequence injection function.

更多以性能为中心的先进技术应用，如柔性螺杆连接装置、落料口恒温控制装置、模具隔热板及磁板接口、顶出延时功能、顺序注射功能等。

### Innovative Power Oil circuit design
### 创新的动力油路

Lnnovative power oil circuit design, together with new software and electrical control technology, realized high-response injection and precise control for speed and pressure.

创新的动力油路设计，融合全新的软件和电气控制技术，实现了高应答注射响应及精密的速度与压力控制，

MM系列多组分注塑成型机
Multi-Component Injection Molding Machine

## Master Core Technology
## Be Pioneer Of The Industry

## 掌握核心技术
## 引领行业先锋

# Reliability
## 可靠性

# Low Energy
## 低耗能

MM系列多组分注塑成型机
Multi-Component Injection Molding Machine

### Strict European Assembly Process
### 严格的欧洲装配工艺

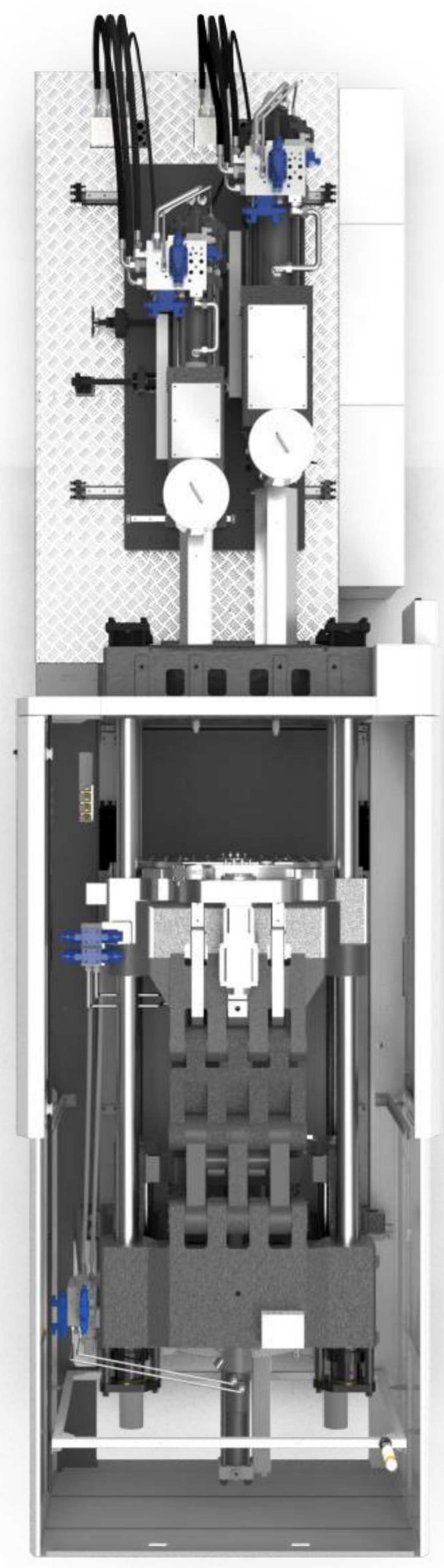
Serious Europe assembling process ensures machine stable and reliable. Axle sleeve is treated with ultra-low temperature under 100 for assembling, hydraulic parts use thermostatic assembly, together with clean oil loop assembly process, all ensure precise and stable running of machine.

严格的欧洲装配工艺确保整机稳定可靠。轴套采用零下100度超低温装配、液压部件恒温装配，高清洁度油路装配工艺，有效保证机器运行精度和稳定性。

### Low Energy Technology
### 低耗能技术

With low power consumption technology, oil temperature is greatly lowered. Movement loops using Independent oil return design, ensures no interference between each movement. Stable loop not only improves production efficiency and qualified rate, but also can improve loop lifetime and deduct managing fee of cooling system. Good hydraulic oil filter for dust, removing device for wear of metal.

低耗能技术的使用，大幅降低油温，动作油路全独立回油设计，动作之间无干涉，稳定的油路不但提高了行机效率和成品合格率，更可获得油路的寿命提升及降低冷却系统的管理费用，优秀的液压油粉尘过滤、金属磨损物去除装置。



1.

Clamping support adopts “V” type center to balance clamping unit, it can lengthen the mold precision and lifetime more than 30%. This construction also improves connecting rod length and effectively improves cycle efficiency. Precise multistage control of back pressure, ensures stable and high quality molding.
锁模采用"V"型中心均衡锁模结构，可延长模具精度寿命30%以上，此结构还优化了连杆的长度，有效提升循环效率。精准多级塑化背压控制技术，确保获得高质量且稳定一致的塑化效果

2.

Special design of hydraulic oil circuit for precise molding. All the control valves are close to driver , ensuring high response, precise control of pressure and speed, and high repeatability of molding. The efficience of machine can be higher especially when adopting fast valve switch technology.

独特液压油路设计，专为精密成型而设计，所有 控制阀都 接近驱动部件，响应 快，压力和速度 控制精确，成型再现 精度高。尤其采用了快速切 换阀技术后，可进一步让机器 的运转更高效。

3.

Injection unit adopts linear guide rail together with low inertia lock technology, controlling injection end point precisely and making precise molding easier.
注射单元采用线性导轨配合低惯量反锁运动技术，注射终点控制精准，对成型精密结构类零件得心应手。

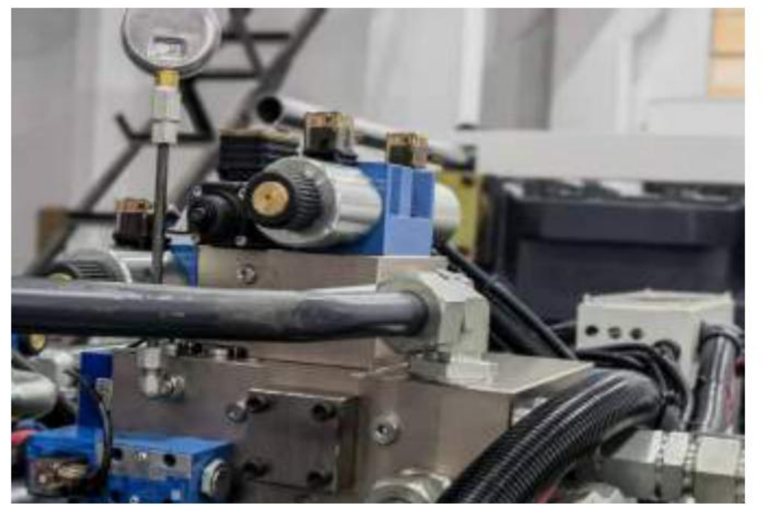
4.

The structure is compact and does not need to occupy additional space. The compact driving units are integrated in the frame of the injection molding machine, and the spacing between tiebar is expanded, which provides space for the installation of large rotating table and large mold.
结构紧凑，无需占用额外空间,紧凑的驱动单元均集成在注塑机的框架内，拉杆间距扩大，为大型旋转台和大型模具的安装提供了空间。

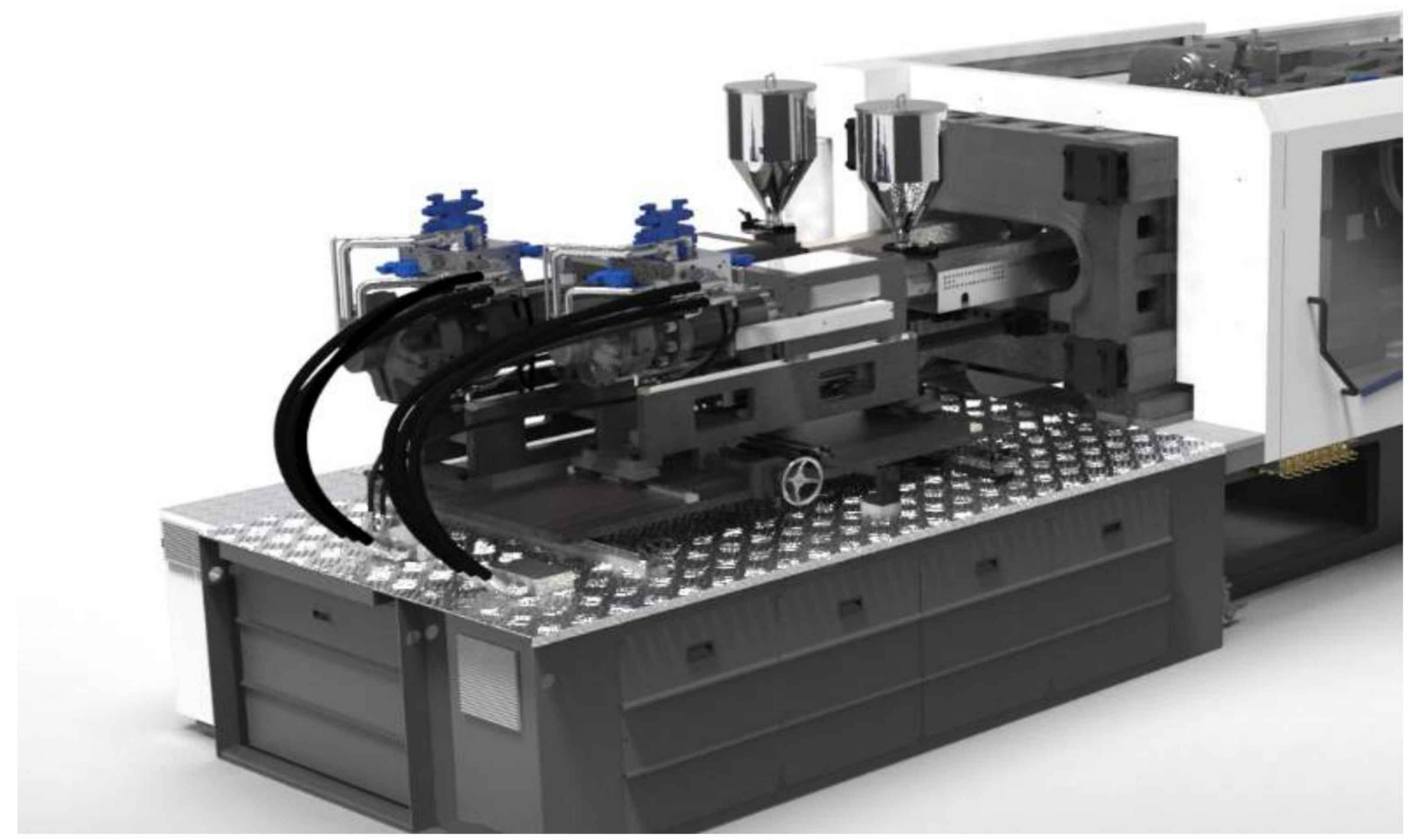
5.

Modularized injection unit is easy for production and material preparation, which can be easily customized accordingly. High precision, repeatability ± 0.5%. The weight error of formed products is 0.4% - 0.7 %.

模块化射出单元设计，生产、备料更精简，可按 客户定制化要求生产。
高精度、重复再现性为±0.5%。成型产品重量误差0.4%-0.7%。






• 高刚性高强度材料的采用，高性能合金球墨铸铁模板、优质合金格林柱及销轴、高强度极压轴套。先进的精密加工设备工艺，保证每个零件的精度。合理的装配工艺，轴套和销轴采用低温装配和静压安装，保证安装精密可靠。

• 为避免动作时运动部件过重，惯性过大影响注塑控制灵敏性，采用双线轨单缸精密注射结构，提高注射响应精度和塑化质量，特别适合精密注塑和高速注射。

• 伺服动力，配备了高精度，高响应的压强制反馈装置，形成闭回路精准控制，有效缩短周期，提高生产效率。

• 180°旋转转盘，可置放两副模具，生产双色产品。

• 射出两组及合模均采用高精度电子尺，可准确控制开关模及射出行程，精确度可达0.1mm。

• 可选购转盘转轴共享装置。

• 采用高扭力、高效率马达，直接驱动螺杆，缩短塑化时间，节省能源。

•Adopt high rigidity, high strength material, High performance alloy ductile iron 、high quality alloy tie bar and Hinge pin、high strength extreme-pressure bush .Advanced and precise processing equipment ensure the precision of every accessory .Reasonable assembly technology , to ensure precise and reliable assembly

•For keeping the sensitivity of injection control with the heavy injection parts, it also can improve the injection precision and plasticizing quality, it is special suitable for precise injection and high speed injection.

•With Steady capability, Servo gearshift dynamical control system has equipped with pressure feedback device with high precision and sensitiv - ity, which forms closed - loop precision control, cycle time effectively shortened and improving production efficiency.

• This type of machine equipped the 180°degree rotary table which may put two molds to produce two component prod- ucts.

• With an accuracy reaching 0.1mm, liner potentiometers are used in the two injection sets and clamping molds to accu - rately control mold closing and opening and the injection process.

• Optional rotary table & rotary shaft to share the device.

• High torque and excellent performance of hydraulic motor can drive screw directly and shorten plasticizing time so that saves energy.

*多种专业化螺杆，适应不同原材料的注塑生产要求，PID式料筒温度控制可达1度以内。

•螺杆低温启动保护，防止螺杆意外损伤。

*高度人性化设计，锁模力调校、机器维护，顶针及塑化部件 通过标准化的连接，更换维护 简便快捷，带缺油警报功能的 电脑控制智能集 中润滑系统 轻易维护和使用。

•具备SPC生管统计功能和动态图形监测画面，时刻检测运转过程中射出时间、循环时间、压力、位置等，并 具备异常检出功能。

*中、英、葡等多国语言可供选择。

•预留机械手标准接口及快速换模系统线路。

•模块化控 制器，可快速扩充软、硬件模块以连接更多外围设备。

• Many kind of specialized screws suit injection production of different materials. Temperature of PID barrel can be controlled within 1°C.

• low temperature start protection of screw to prevent accidental damage of screw.

• Humanization design for clamping force adjust - ment and machine maintenance, ejector pins and plasticizing components are connected in standard speciÞcation; intelligent centralized lubricating system controlled by computer and multilingual system make machines convenient to use and maintain.

• With SPC Production Control Function and Monitoring Dynamic Graph, injection time, cycling time, pressure, position as well as abnormal phenomenon etc. can be detected at all times.

• Various choices of languages- Chinese, English , Portuguese, Vietnamese, Spanish, Turkish.

• A stand-in interface is prepared for robots and quick mold-change systems.

•With modular controllers design, rapid expansion of software and hardware modules to connect more peripherals .

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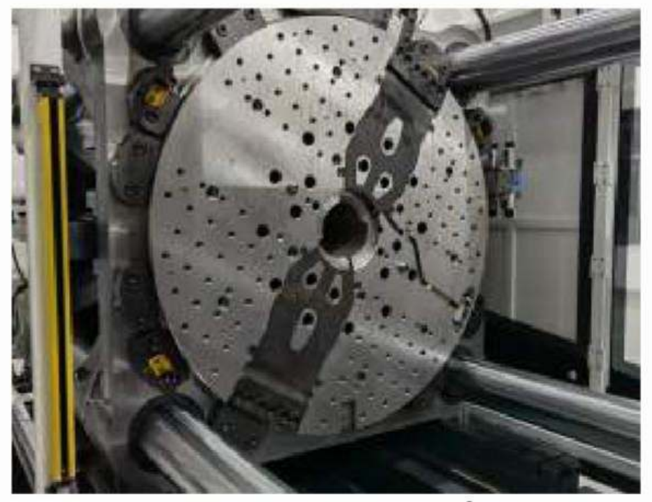


Precise and Safety Rotary Table

quick response.The turntable rotates smoothly, the acceleration and deceleration are soft, and the impact on the machine is small.
Compensation for gear backlash, high positioning accuracy.
Applicable to harsh working conditions.
Easy to use and easy to maintain.
Adapt to a variety of rotation angles, multi-station function turntable.
Turntable (mold temperature) waterway, a total of 3 inputs and 3 outputs, and the water pipes are heat-resistant above 120°C.
The oil circuit is 3 in and 3 out.

精密安全的转盘设计

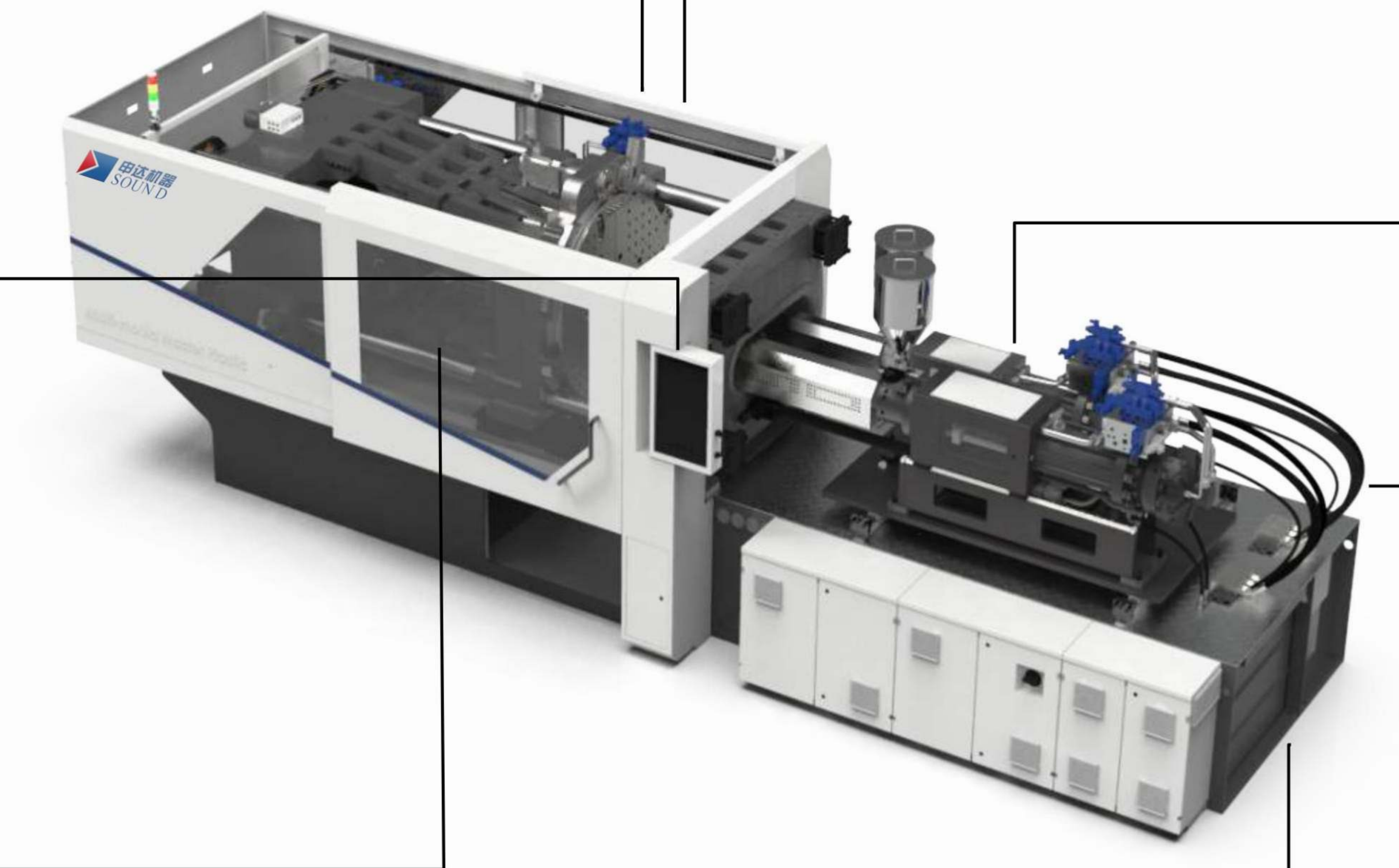
响应速度快;转盘转动平稳;加减速柔和;对机械冲击小;对齿轮反向间隙进行补偿，定位精度高;适用恶劣的工况环境;使用简单，维护方便;适应多种旋转角度，多工位功能转盘;转盘（模温）水路，共3进3出,水管耐热120°C以上;油路3进3出。

High-Speed Rotation Control

Rotary table controlled by servo motor could increase rotary speed by up to 30% • 50% which could shorten cycletime, make switch speed more stable and positioning more precise.

高速转盘控制

采用伺服马达控制转盘动作，提升转盘转速30%-50 %，缩短成型周期，速度切换快速平稳，定位精准。



Hight-End Controller

Applying network controlsystemcapacitate withuserfriendlyoperation interface and high speed central processor ,which offers high response andeasyextending.

欧洲高精度控制器

采用欧洲注塑机专用系统，人性化操作接口，系统反应速度高达 1ms，精度更高、操作方便，优异的扩展性。

高效的射出单元

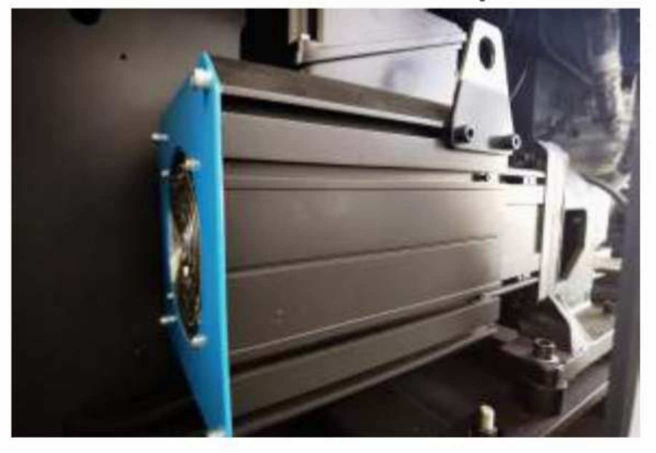
射出部分有两组独立料管组，同步做射出动作，大幅缩短成型周期。 螺杆及料管采用高等级合金材料，耐腐蚀、耐磨性和耐高温。采用 PID温度控制， 具螺杆冷间启动限制， 断线侦测功能，并控制温度在±1°C。

Compacet and Hight Efficiency Injection Unit

Two isolated barrel sets can inject at the same time to reduce the cycle time to get more profit.With finest steel and most innovative ino-nitriding process, the hardness of screw and barrel reaches above HV950, to ensure high wear-resis-tance.Using PID temperature control, with a cold start between the screw limite, breakage detec- tion, and control the temperature at ±1°C.

high rigidity clamping parts, high strength board and toggle, more close tie bar to the frame of mold, and high repeatability of clamping force, all together ensured more everage pressure and little deformation of mold, more average and stable exhaustion, so that keep the mold precision and extend the mold life.

优异的合模机构 高刚性锁模组件，高强度模板和曲肘，格林柱更接近 模具外框，锁模力重 复精度更高，模具受力分布更均匀，模具变形小，排气更均匀稳定，有效保持模具精度，延长模具寿命。



高效节能伺服动力系统

配置高性能伺服电机可节能约30%-70%。

High Efficiency Servo Power System

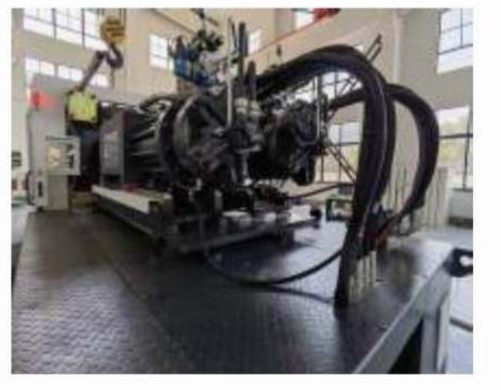
Adopting AC/PM synchronous servo motor. Energy-saving can reach up to 30 % - 70%.

简约优化的管路设计

主油路管直线布置，油路压力损失 小，更为合理美观，安装维护更为方便。

Piping Design Improvement

The straight main piping declines the oil pressure and makes installation and maintainence more effective.



# 通过流程监控实 现最高的生产效率

### 与 SOUND智慧工业软件一道，为工业 4.0 做好准备！

EasyNet-V4.00MES（生产信息化管理系统）是一款易于操作、高性价比的软件，可实现注塑机的可 靠联网 。它是中心数据采集与备份的理想选择。您可以随时了解机器生产的概况并快速地做出反应，以确 保生产效率最大化。

### 所有机器的状态一览无余，以获得更高的工厂生产效率

对于中等规模的使用注塑机的公司,EasyNet-V4.00MES提供了各种简单易用的监控和规划功能，例 如生产力概述功能和单个机器的生产质量视图。通过EasyNet的加热管理，您可以大大的降低生产能耗成本 ，以实现最佳的机器可用性。值班经理可以通过清晰的全厂视图直观地对整个生产进行了解，也能立刻收 到有关于机器警报的通知并能够有效地对生产计划做出调整。

### 中心数据管理确保最高的使用效率

EasyNet不仅会周期性地采集所有相关的机器数据，而且采集的生产数据储存于数据库中心，目的是为了确保最安全的数据备份和有效的过程分析、生成生产报告等。OEE（总体设备效率）的计算通过与给定数据的比较，以提高未来的生产效率。机器的停机状态分析能帮助您快速规划机器的服务和维护以及优化您的工作流程。

### Be ready for Industry 4.0 – with Smart Industry!

EasyNet v4.00 MES (Manufacturing Execution System) is a user-friendly program that enables the reliable networking of injection molding machines at a high price-performance ratio. It is ideal for central data acquisition and backup . you have an overview of your production machines at all times – while the short reaction time ensures the highest performance.

### Status of all machines at a glance for higher factory performance

For medium -sized plastics processing companies EasyNet v4.00 MES offers various easy-to-use monitoring and planning func- tions at a glance , such as the productivity overview and the process quality view of an individual machine. Due to the Heatup Management function, you can significantly minimize your energy costs in order to achieve the best possible machine availability . In the clear overall plant view, the shift manager has an overview of the entire production and can react efficiently to plan production changes or will be informed instantly about machine alarms.

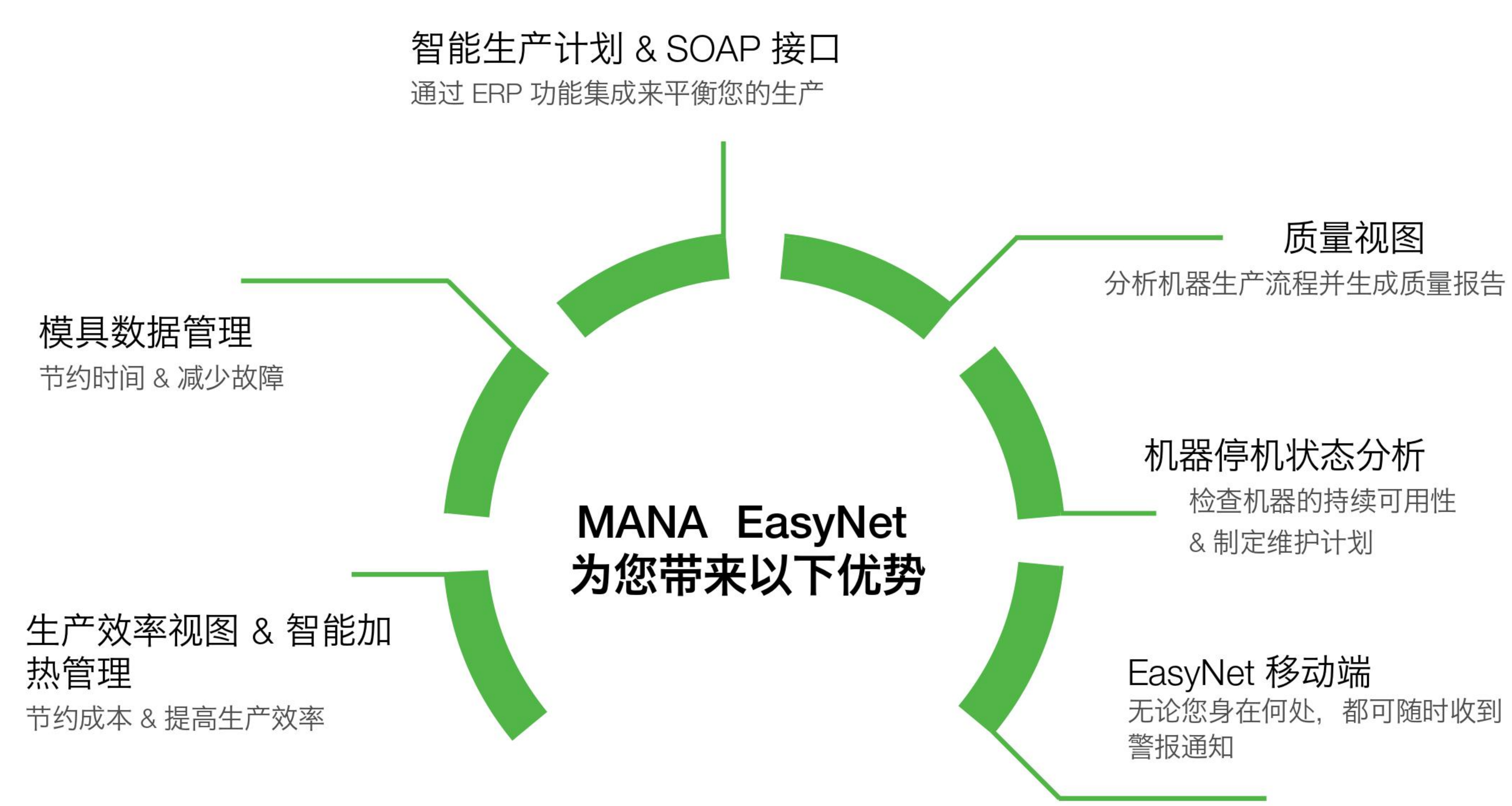
### Central data management ensures the highest efficiency

EasyNet captures all the relevant machine parameters cyclically . The recorded process data is stored in a central database and this ensures the best data backup and efficient process analysis including the generation of individual production reports. The calculation



# Be ready for Industry 4.0

## 智慧工业

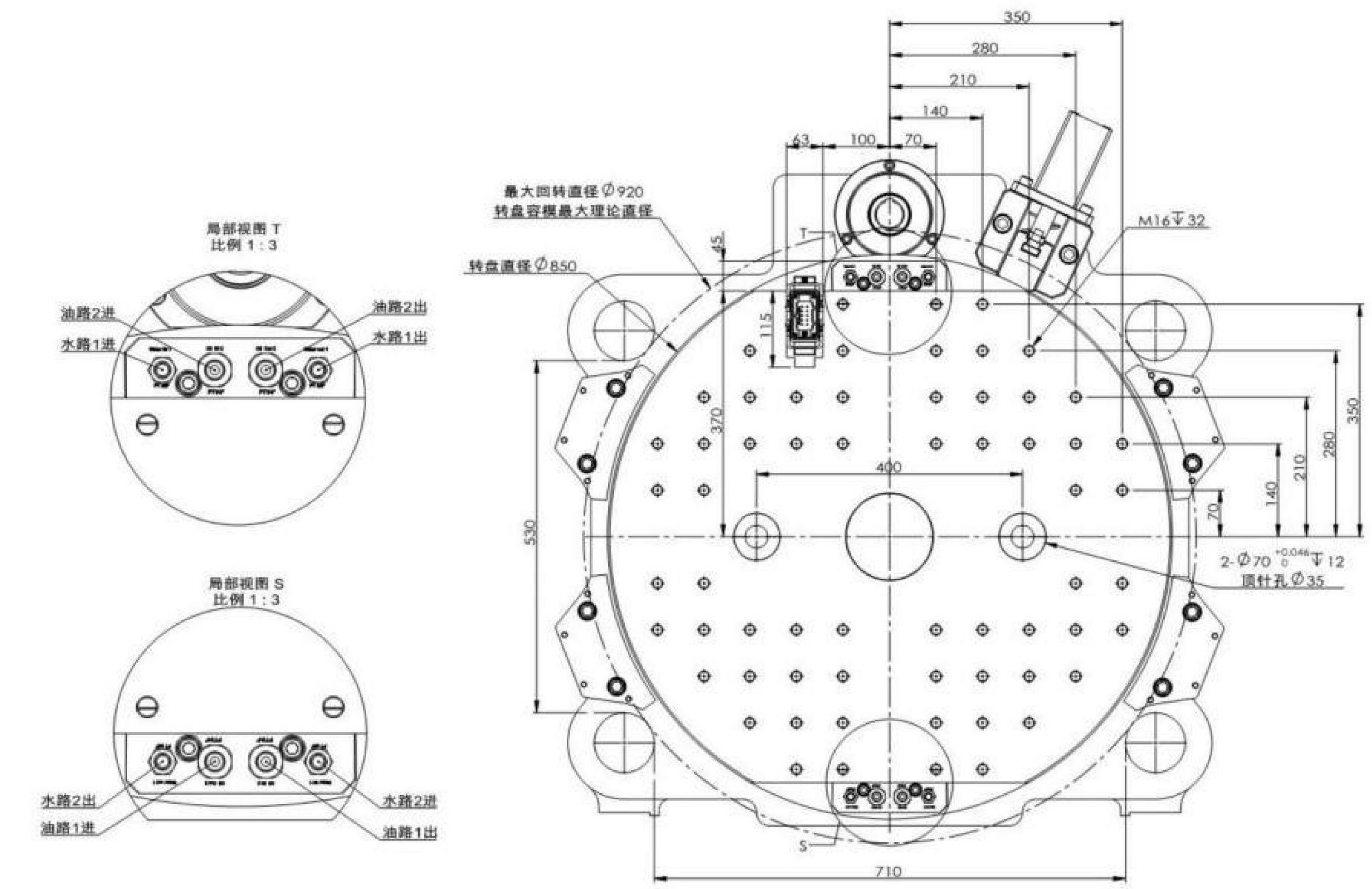



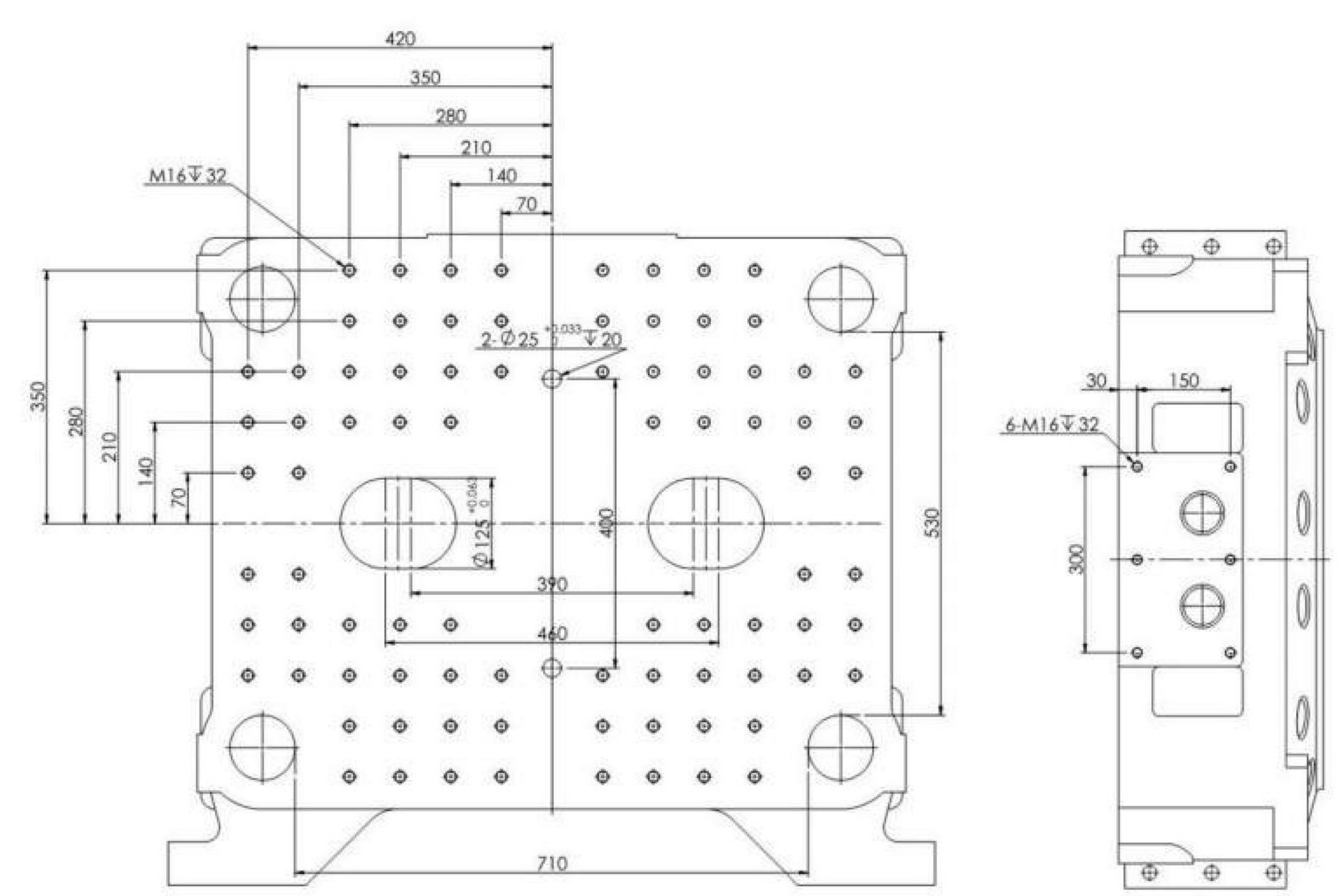
## *MM-200* 技术规格 *Specifications*

| 说明 | DESCRIPTION | UNIT | MM-200 | | | | | |
|---|---|---|---|---|---|---|---|---|
| 国际公认型号 | international size rating | / | 160 | 160 | 160 | 240 | 240 | 240 |
| **射胶系统 INJECTION UNIT** | | | | | | | | |
| 螺杆直径 | Screw Diameter | mm | 22 | 26 | 30 | 26 | 30 | 34 |
| 螺杆长径比 | Screw L:D Ratio | | 20 | 20 | 20 | 20 | 20 | 20 |
| 理论注射容积 | Shot volume | $cm^3$ | 57 | 79 | 106 | 92 | 123 | 158 |
| 实际注射量 | Shot weight(PS) | g | 52 | 72 | 96 | 85 | 113 | 145 |
| | | oz | 1.8 | 2.6 | 3.4 | 3.0 | 4.0 | 5.1 |
| 射胶压力 | Injection pressure | Bar | 2929 | 2907 | 1575 | 2589 | 1944 | 1514 |
| 注射速率 | Injection rate | $cm^3/s$ | 65 | 90 | 120 | 73 | 98 | 125 |
| 塑化能力 | Plasticizing capacity | g/s | 3.5 | 5.6 | 8.9 | 4.9 | 7.5 | 10.9 |
| 注射行程 | Injection stroke | mm | 150 | 150 | 150 | 175 | 175 | 175 |
| 注射最大速度 | Injection speed | mm/s | 170 | 170 | 170 | 138 | 138 | 138 |
| 螺杆最大转速 | Max.screw speed | r/min | 303 | 303 | 303 | 250 | 250 | 250 |
| 射咀中心距离 | Center hole distance | mm | 390--460 | | | | | |
| **锁模系统 CLAMPING UNIT** | | | | | | | | |
| 锁模力 | Clamping force | KN | 2000 | | | | | |
| 锁模行程 | Opening stroke | mm | 530 | | | | | |
| 拉杆内间距 | Space between tie bars | mm | 710×530 | | | | | |
| 转盘直径 | Rotary table diameter | mm | 850 | | | | | |
| 转盘容模直径 | Rotary table diameter | mm | 920 | | | | | |
| 最大模厚 | Max.mold height | mm | 700 | | | | | |
| 最小模厚 | Min.mold height | mm | 200 | | | | | |
| 顶出行程 | Ejector stroke | mm | 120 | | | | | |
| 顶出力 | Ejector force | KN | 30×2 | | | | | |
| 顶出杆数 | Number of ejector | | 1×2 | | | | | |
| **动力/电热系统 POWER UNIT** | | | | | | | | |
| 油压系统压力 | Systerm pressure | Bar | 175 | | | | | |
| 油泵马达功率 | Pump motor | KW | 12+18 | | | | | |
| 电热功率 | Heating capacity | KW | 4.7 | 5.1 | 6.9 | 5.1 | 6.9 | 7.6 |
| 温度控制区 | Number of temp zones | | N+3 | | | N+3 | | |
| **其它 GENERAL** | | | | | | | | |
| 油箱容量 | oil tank capacity | L | 350 | | | | | |
| 外形尺寸 | Machine dimension(L×W×H) | m×m×m | 5.9×1.76×2.08 | | | | | |
| 机器重量 | Machine weight | ton | 10 | | | | | |

## *MM -200* 转盘图 模壁图

***Mold Platen Dimensions***



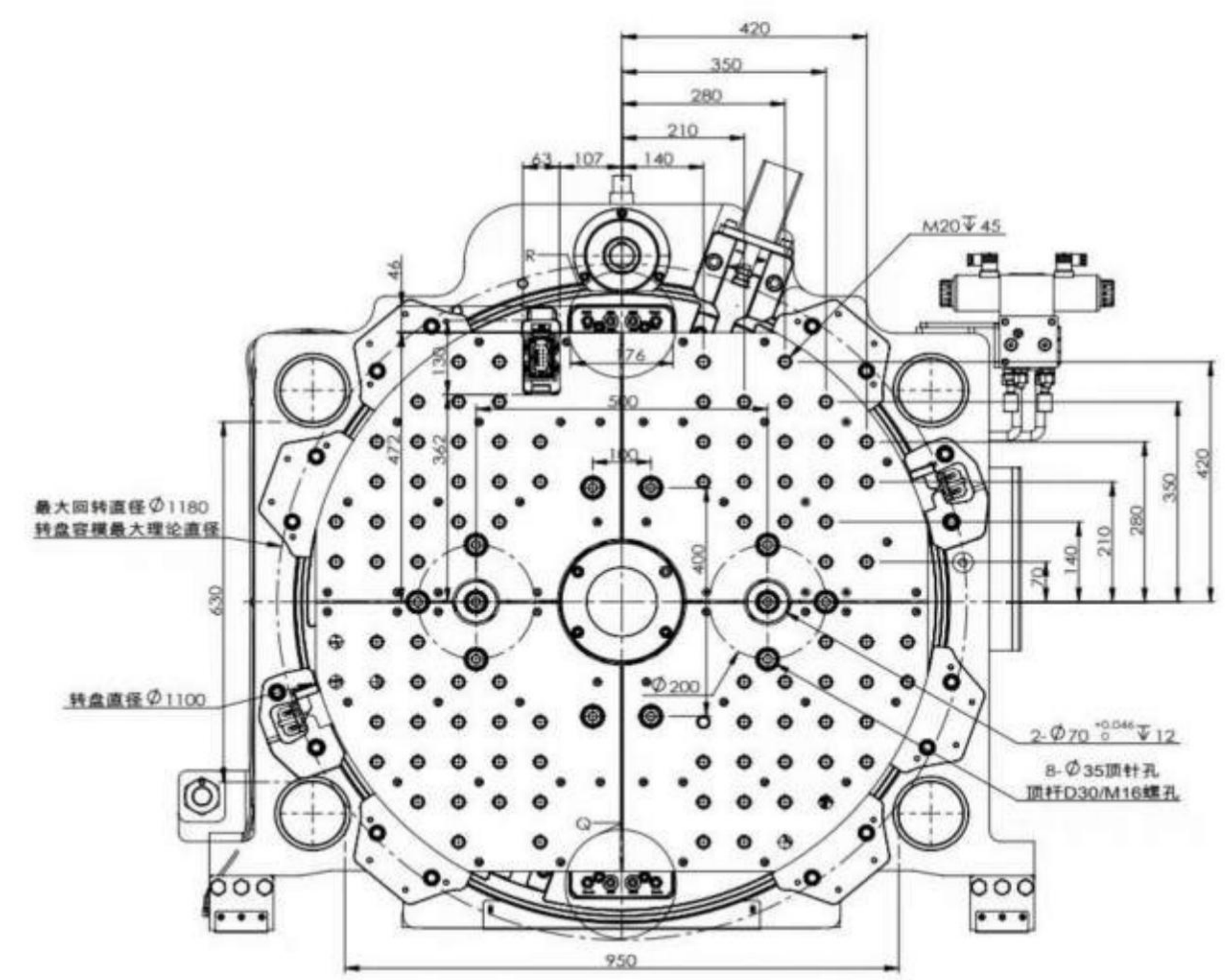


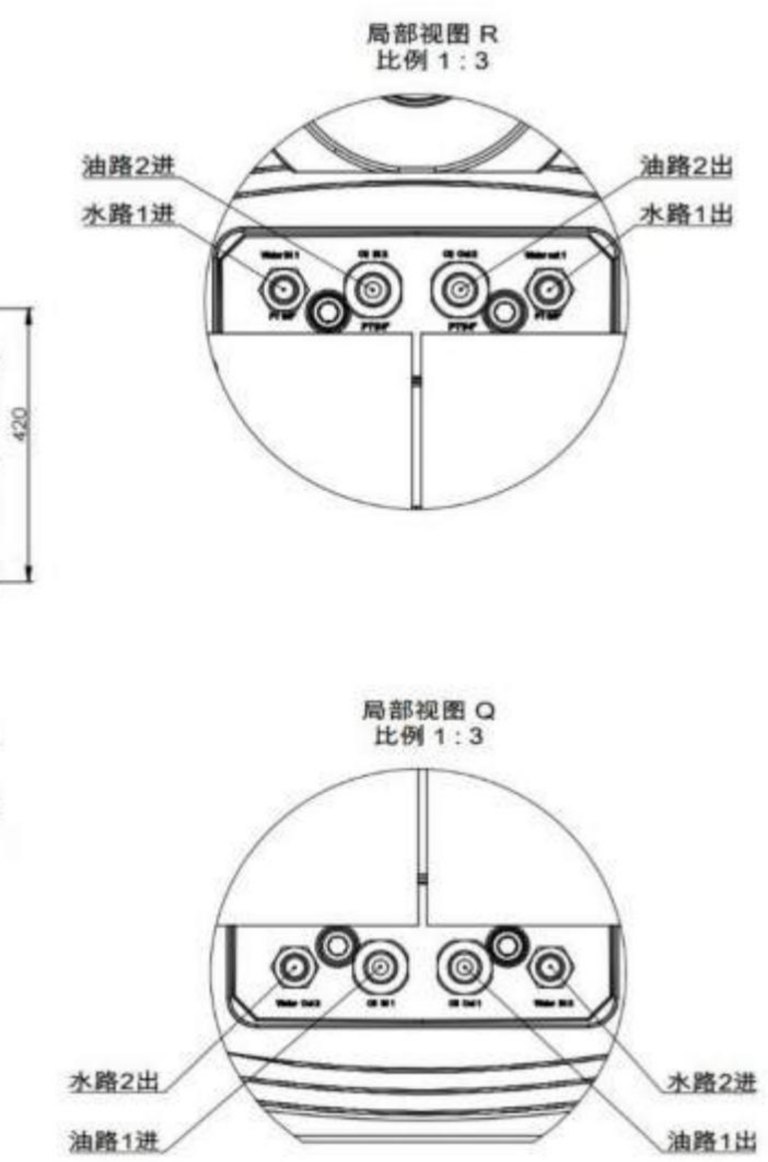
## MM-300 技术规格 Specifications

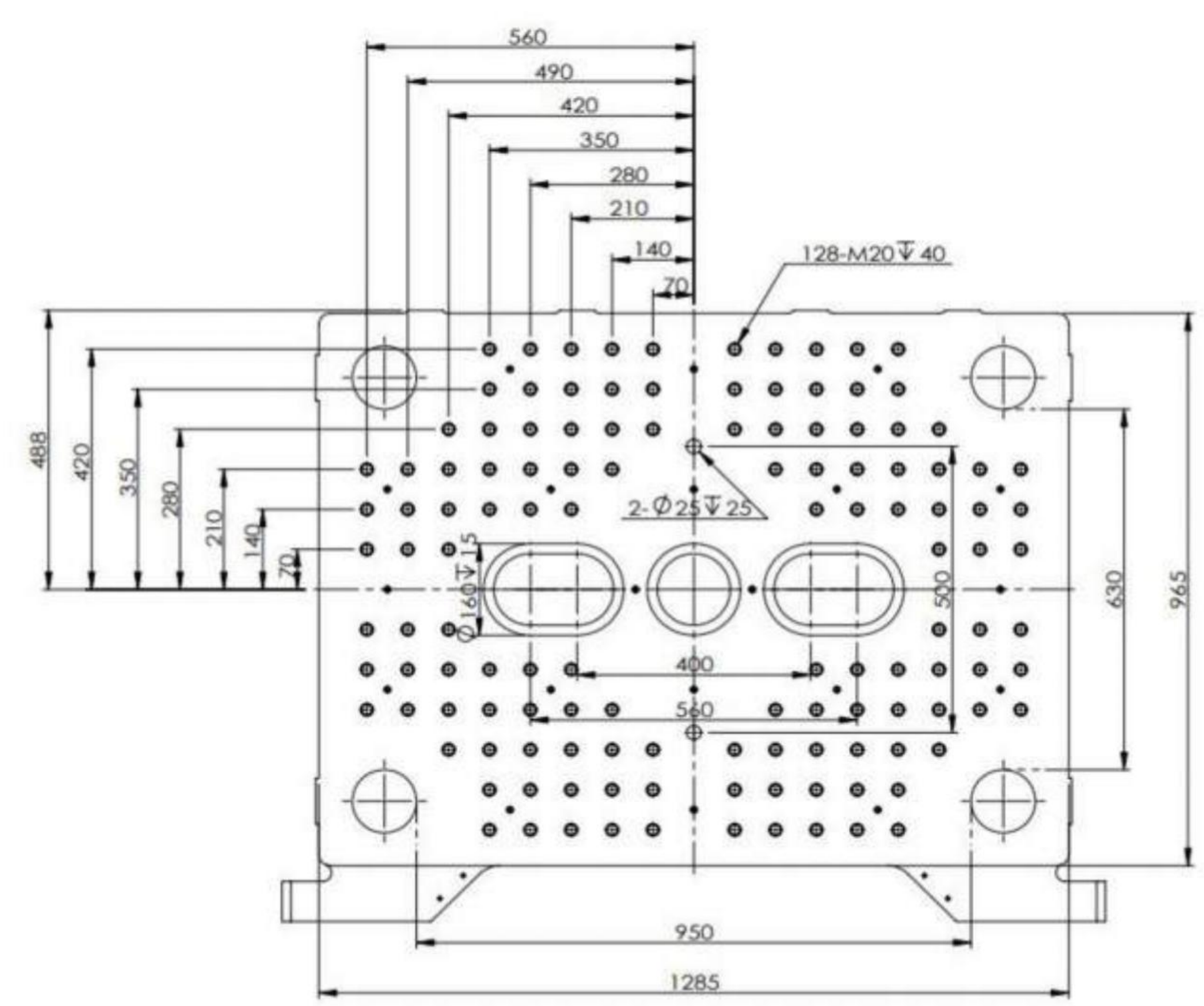
| 说明 | DESCRIPTION | UNIT | MM-300 | | | | | |
|---|---|---|---|---|---|---|---|---|
| 国际公认型号 | international size rating | / | 420 | 420 | 420 | 830 | 830 | 830 |
| **射胶系统 INJECTION UNIT** | | | | | | | | |
| 螺杆直径 | Screw Diameter | mm | 30 | 35 | 40 | 40 | 45 | 50 |
| 螺杆长径比 | Screw L:D Ratio | | 20 | 20 | 20 | 20 | 20 | 20 |
| 理论注射容积 | Shot volume | $cm^3$ | 141 | 192 | 251 | 283 | 358 | 442 |
| 实际注射量 | Shot weight(PS) | g | 129 | 175 | 229 | 257 | 326 | 402 |
| | | oz | 4.5 | 6.2 | 8.1 | 9.1 | 11.5 | 14.2 |
| 射胶压力 | Injection pressure | Bar | 3038 | 2232 | 1709 | 2960 | 2339 | 1894 |
| 注射速率 | Injection rate | $cm^3$ /s | 88 | 119 | 156 | 157 | 198 | 245 |
| 塑化能力 | Plasticizing capacity | g/s | 9 | 14 | 21 | 15 | 22 | 31 |
| 注射行程 | Injection stroke | mm | 200 | 200 | 200 | 225 | 225 | 225 |
| 注射最大速度 | Injection speed | mm/s | 123 | 123 | 123 | 124 | 124 | 124 |
| 螺杆最大转速 | Max.screw speed | r/min | 303 | 303 | 303 | 250 | 250 | 250 |
| 射咀中心距离 | Center hole distance | mm | 400--560 | | | | | |
| **锁模系统 CLAMPING UNIT** | | | | | | | | |
| 锁模力 | Clamping force | KN | 3000 | | | | | |
| 锁模行程 | Opening stroke | mm | 600 | | | | | |
| 拉杆内间距 | Space between tie bars | mm | 950×630 | | | | | |
| 转盘直径 | Rotary table diameter | mm | 1100 | | | | | |
| 转盘容模直径 | Rotary table diameter | mm | 1170 | | | | | |
| 最大模厚 | Max.mold height | mm | 700 | | | | | |
| 最小模厚 | Min.mold height | mm | 200 | | | | | |
| 顶出行程 | Ejector stroke | mm | 180 | | | | | |
| 顶出力 | Ejector force | KN | 65×2 | | | | | |
| 顶出杆数 | Number of ejector | | 5×2 | | | | | |
| **动力/电热系统 POWER UNIT** | | | | | | | | |
| 油压系统压力 | Systerm pressure | Bar | 175 | | | | | |
| 油泵马达功率 | Pump motor | KW | 26+22 | | | | | |
| 电热功率 | Heating capacity | KW | 6.9 | 8.1 | 10.0 | 8.1 | 10.0 | 11.2 |
| 温度控制区 | Number of temp zones | | N+4 | | | N+4 | | |
| **其它 GENERAL** | | | | | | | | |
| 油箱容量 | oil tank capacity | L | 500 | | | | | |
| 外形尺寸 | Machine dimension(L×W×H) | m×m×m | 6.43×1.83×2.08 | | | | | |
| 机器重量 | Machine weight | ton | 15 | | | | | |

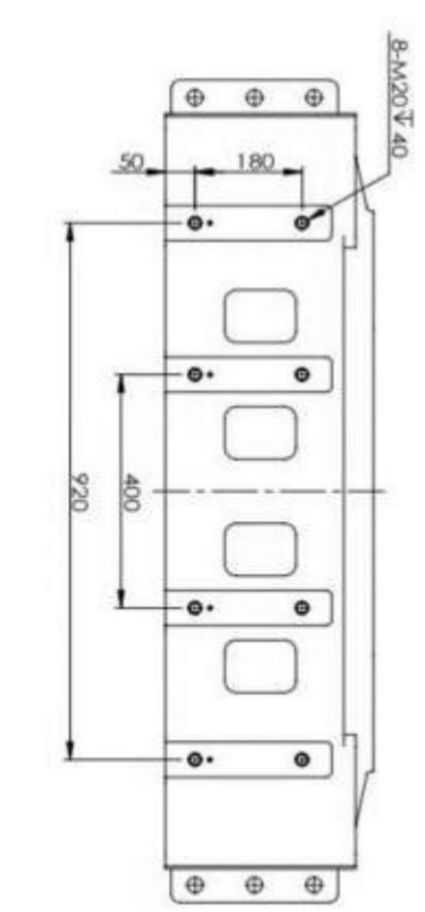


## MM -300 转盘图 模壁图
### Mold Platen Dimensions









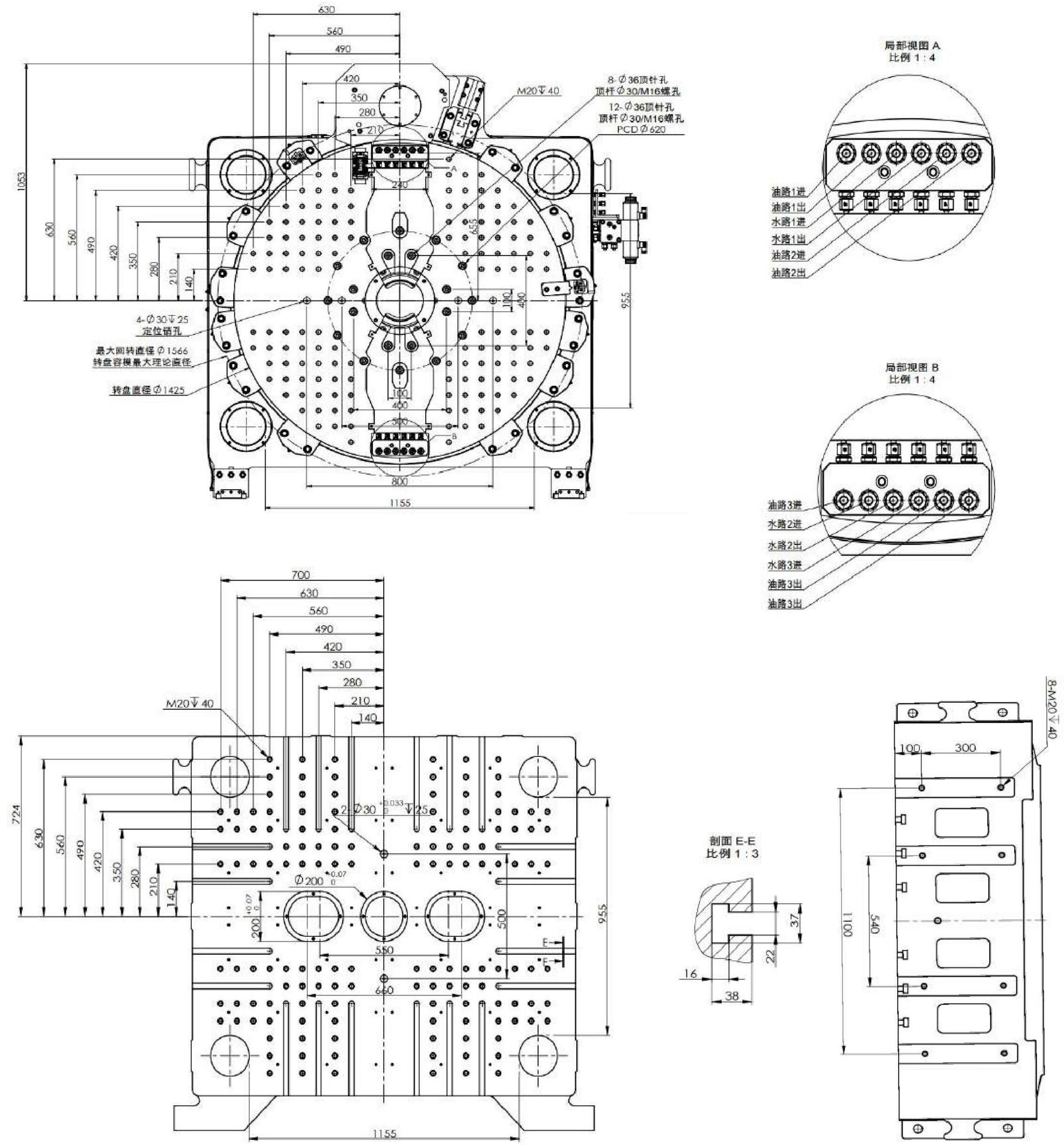
## *MM-700 技术规格 Specifications*

| 说明 | DESCRIPTION | UNIT | MM-700 | | | | | |
|---|---|---|---|---|---|---|---|---|
| 国际公认型号 | International size rating | / | 1480 | 1480 | 1480 | 2320 | 2320 | 2320 |
| **射胶系统 INJECTION UNIT** | | | | | | | | |
| 螺杆直径 | Screw Diameter | mm | 45 | 50 | 55 | 50 | 55 | 60 |
| 螺杆长径比 | Screw L:D Ratio | | 20 | 20 | 20 | 20 | 20 | 20 |
| 理论注射容积 | Shot volume | cm³ | 477 | 589 | 713 | 687 | 832 | 990 |
| 实际注射量 | Injection weight(PS) | g | 434 | 536 | 649 | 625 | 757 | 901 |
| | | oz | 15.3 | 18.9 | 22.9 | 22.1 | 26.7 | 31.8 |
| 射胶压力 | Injection pressure | Bar | 3120 | 2527 | 2088 | 3388 | 2800 | 2353 |
| 注射速率 | Injection rate | cm³ /s | 160 | 197 | 238 | 187 | 226 | 269 |
| 塑化能力 | Plasticizing capacity | g/s | 18 | 26 | 35 | 27 | 35 | 45 |
| 注射行程 | Injection stroke | mm | 300 | 300 | 300 | 350 | 350 | 350 |
| 注射最大速度 | Injection speed | mm/s | 100 | 100 | 100 | 95 | 95 | 95 |
| 螺杆最大转速 | Max.screw speed | r/min | 213 | 213 | 213 | 216 | 216 | 216 |
| 射咀中心距离 | Center hole distance | mm | 550-660 | | | | | |
| **锁模系统 CLAMPING UNIT** | | | | | | | | |
| 锁模力 | Clamping force | KN | 7000 | | | | | |
| 锁模行程 | Opening stroke | mm | 900 | | | | | |
| 拉杆内间距 | Space between tie bars | mm | 1155×955 | | | | | |
| 转盘直径 | Rotary table diameter | mm | 1425 | | | | | |
| 转盘容模直径 | Rotary table diameter | mm | 1556 | | | | | |
| 最大模厚 | Max.mold height | mm | 1250 | | | | | |
| 最小模厚 | Min.mold height | mm | 400 | | | | | |
| 顶出行程 | Ejector stroke | mm | 220 | | | | | |
| 顶出力 | Ejector force | KN | 75×2 | | | | | |
| 顶出杆数 | Number of ejector | | 20 | | | | | |
| **动力/电热系统 POWER UNIT** | | | | | | | | |
| 油压系统压力 | Systerm pressure | Bar | 175 | | | | | |
| 油泵马达功率 | Pump motor | KW | 36+30 | | | | | |
| 电热功率 | Heating capacity | KW | 11.3 | 13.1 | 14.3 | 18.6 | 20.7 | 22.9 |
| 温度控制区 | Number of temp zones | | N+4 | | | N+5 | | |
| **其它 GENERAL** | | | | | | | | |
| 油箱容量 | oil tank capacity | L | 950 | | | | | |
| 外形尺寸 | Machine dimension(L×W×H) | m×m×m | 9.85×2.4×2.5 | | | | | |
| 机器重量 | Machine weight | ton | 38 | | | | | |

The Shown Specifications Reflect The State At The Time Of Printing. We Reserve The Right To Modify Specifications.

## *MM-700 转盘图 模壁图*

*Mold Platen Dimensions*



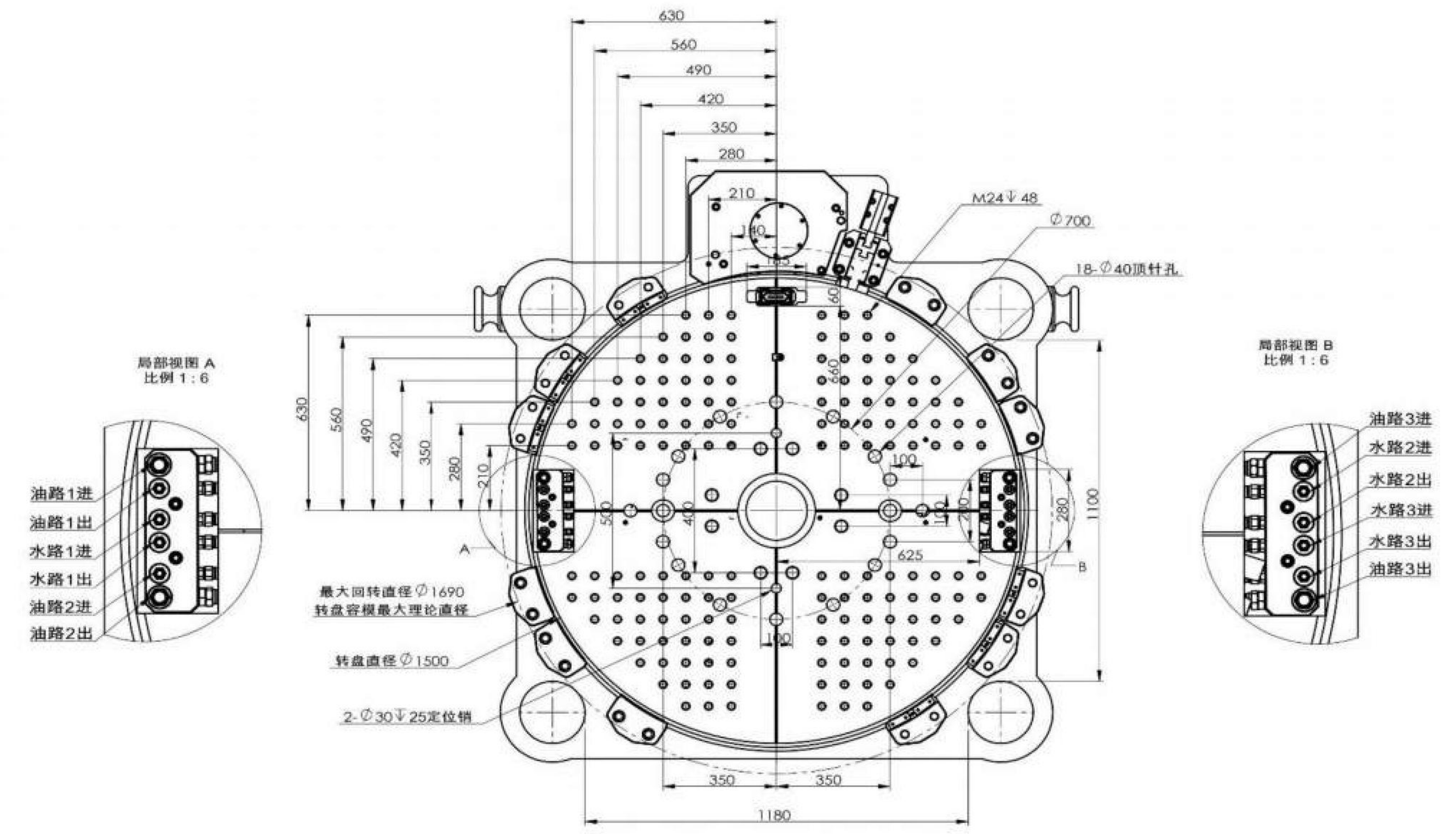

本页参数为印刷前取得的数据,我们保留修改参数的权利.

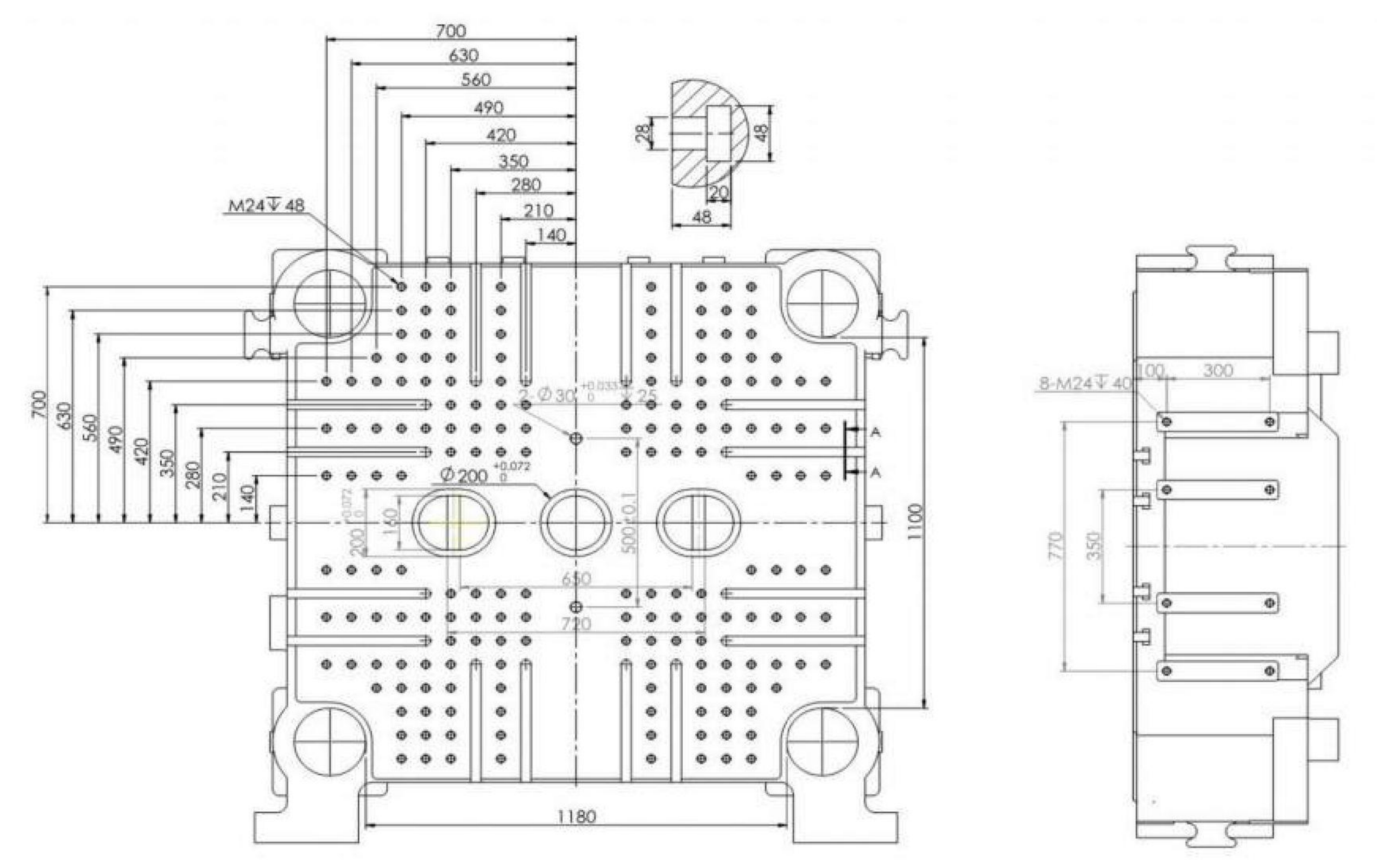
## MM-1100 技术规格 Specifications

| 说明 | DESCRIPTION | UNIT | MM-1100 | | | | | |
|---|---|---|---|---|---|---|---|---|
| 国际公认型号 | international size rating | / | 2320 | 2320 | 2320 | 3710 | 3710 | 3710 |
| **射胶系统 INJECTION UNIT** | | | | | | | | |
| 螺杆直径 | Screw Diameter | mm | 50 | 60 | 70 | 60 | 70 | 80 |
| 螺杆长径比 | Screw L:D Ratio | | 20 | 20 | 20 | 20 | 20 | 20 |
| 理论注射容积 | Shot volume | $cm^3$ | 687 | 990 | 1347 | 1131 | 1539 | 2011 |
| 实际注射量 | Shot weight(PS) | g | 625 | 901 | 1226 | 1029 | 1401 | 1830 |
| | | oz | 22.1 | 31.8 | 43.2 | 36.3 | 49.4 | 64.5 |
| 射胶压力 | Injection pressure | Bar | 3388 | 2353 | 1729 | 3286 | 2414 | 1848 |
| 注射速率 | Injection rate | $cm^3/s$ | 187 | 269 | 366 | 259 | 352 | 460 |
| 塑化能力 | Plasticizing capacity | g/s | 31 | 49 | 67 | 41 | 56 | 86 |
| 注射行程 | Injection stroke | mm | 350 | 350 | 350 | 400 | 400 | 400 |
| 注射最大速度 | Injection speed | mm/s | 95 | 95 | 95 | 91 | 91 | 91 |
| 螺杆最大转速 | Max.screw speed | r/min | 216 | 216 | 216 | 182 | 182 | 182 |
| 射咀中心距离 | Center hole distance | mm | 650~720 | | | | | |
| **锁模系统 CLAMPING UNIT** | | | | | | | | |
| 锁模力 | Clamping force | KN | 11000 | | | | | |
| 锁模行程 | Opening stroke | mm | 1250 | | | | | |
| 拉杆内间距 | Space between tie bars | mm | 1180×1100 | | | | | |
| 转盘直径 | Rotary table diameter | mm | 1500 | | | | | |
| 转盘容模直径 | Rotary table diameter | mm | 1690 | | | | | |
| 最大模厚 | Max.mold height | mm | 1500 | | | | | |
| 最小模厚 | Min.mold height | mm | 600 | | | | | |
| 顶出行程 | Ejector stroke | mm | 300 | | | | | |
| 顶出力 | Ejector force | kN | 110×2 | | | | | |
| 顶出杆数 | Number of ejector | | 20 | | | | | |
| **动力/电热系统 POWER UNIT** | | | | | | | | |
| 油压系统压力 | Systerm pressure | Bar | 175 | | | | | |
| 油泵马达功率 | Pump motor | kw | 36+55 | | | | | |
| 电热功率 | Heating capacity | kw | 18.6 | 22.9 | 24.0 | 22.9 | 27.7 | 35.2 |
| 温度控制区 | Number of temp zones | | N+5 | | | N+5 | | |
| **其它 GENERAL** | | | | | | | | |
| 油箱容量 | oil tank capacity | L | 1200 | | | | | |
| 外形尺寸 | Machine dimension(L×W×H) | m×m×m | 11.5×2.63×2.85 | | | | | |
| 机器重量 | Machine weight | ton | 50 | | | | | |

## MM -1100 转盘图 模壁图

**Mold Platen Dimensions**





# Excellent Service

## 优质服务

SOUND high-quality products are designed to best meet customers'production needs for high-quality plastic products.

优质的产品旨在最好地满足客户高品质塑料制品的生产需求。

SOUND provides a range of solution-based services and product support to its customers, while benefiting from our high reliability and quality standards.

为客户提供一系列基于方案的服务和产品支持的同时，得益于我们的高可靠性和质量标准。

SOUND has an experienced sales team and is also your partner. Now the sales network has spread all over Asia, the Middle East, America, Africa, Russia and so on, and is expanding constantly.

拥有经验丰富的销售团队也是您的合作伙伴，如今销售网络已遍布亚洲、中东、美洲、非洲、俄罗斯等，并在不断拓展。

In order to enhance your competitiveness, we follow the high quality standards, while always focusing on your concerns - high performance and customization.

为提升您的企业竞争力。我们遵循高质量标准的同时，时刻专注于您所关心的——高性能与定制化。

# Muli-componen injecion moulding

Muliple colours or maerials combined in an economically efficien manner

## 多组分注塑成型

**以经济高效的方式组合多种颜色或材料**



Application Scopes

**应用范围**

The multi-component application fields cover many industries such as automobile , household goods , electronics and household appliances , construction , packaging and medical equipment.

多组分应用领域覆盖汽车、家居用品、电子及家电、建筑、包装及医疗器材等众多行业。