

# YVA 甬华

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Create excellence shape future

## YE全电动系列注塑机

YE All-Electric Injection Molding Machine



关注甬华服务号



### 宁波甬华塑料机械制造有限公司

NINGBO YONGHUA PLASTIC MACHINERY MANUFACTURING CO.,LTD.

地址: 浙江省宁波市海曙区石碶街道横涨村朱韩工业区1号

Add: NO.1 Zhuhan industrial zone Hengzhang village

Shiqi street haishu district Ningbo p.c.:315155

Tel: 0574-88217538 88209885

Fax: 0574-88217658 88214801

E-mail: tongyong@tongyongsuji.com

ISO9001:2008质量管理体系认证



### 宁波甬华塑料机械制造有限公司

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## 公司简介

### BRIEF INTRODUCTION TO THE COMPANY

公司地处东海之滨，坐落于东方大港-宁波，成立于1985年，是一家专业制造塑料注射成型机的厂家。秉承“诚信立身、共赢存远”的发展理念，宁波甬华塑料机械制造有限公司不仅将世界先进的科学技术融入创新元素，同时将独具中国创新科技的塑机产品推广到全球。

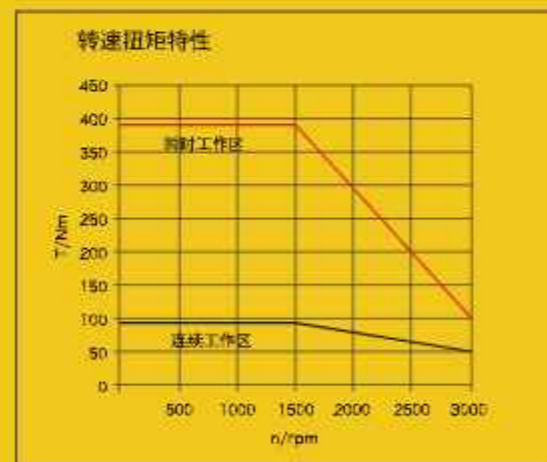
目前，公司现有员工500余人，固定资产2.5个亿，厂区面积10万平方米，引进大批先进的立、卧式加工中心作为主要加工设备，同时以现代化的企业管理理念获取了ISO9001:2008质量体系认证，并采用精益化生产模式，兼现场5S化管理，确保产品质量的优良稳定。

客户所追求的，正是我们一直在努力的，我们将一如既往地为广大客户提供优质的产品和服务，诚挚欢迎中外客商洽谈业务，开展合作，携手并进，共创辉煌。

Located at the shore of East China Sea and Orient Port—Ningbo, Ningbo Yonghua Plastic Machinery Manufacturing Co., Ltd. is a professional manufacturer of plastic injection molding machine that established in 1985. Adhering to the development concept of "establishing based integrity and striving for mutual win", it not only integrated world leading scientific technology into innovation element, but also promoted the plastic machinery with Chinese unique creative technology to the whole world.

At present, the company has over 500 employees, 0.25 billions of fixed assets and 100000 square meters of factory. Meanwhile, it introduced large number of advanced horizontal and vertical processing centers as its major processing equipments; based on the modernized management concept, it obtained ISO9001:2008 Quality System Authentication; besides, it adopted lean production line and field 5S management to guarantee excellent and stable product quality.

What the customers pursue for is the goal of our endeavor. We will provide clients with excellent product and service as we always do. We sincerely welcome domestic and foreign clients to negotiate and cooperate with us so as to go forward hand in hand and create brilliance.



注射位置重复性 <b>0.01</b> mm以内	最高开合模速度 <b>1200</b> mm/s	使用高响应、低惯量伺服电机，实际螺杆加速 <b>35ms</b>
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## 甬华YE全电动注塑机系列

甬华YE系列机型是一款自主研发的全电动注塑机。配备了适合于高速化和高精密度运行的机械结构，装备有高速伺服控制回路，适用于追求高效率、生产高技术高要求的塑料加工行业。

集结当今先进驱动传动技术，结合丰富的成型专业技术需求，融合简单易用的人性化设计理念，采用现代化数字加工工艺，具备了节能环保、高速高效、控制精密、运行可靠、操作便捷等优秀性能，最大限度的满足着客户对机器稳定性、生产效率、环保性能的各种要求。

广泛适用于塑料加工工业的各个领域，尤其适用于电子电器产品、光电数码产品、汽配航空产品、医疗及食品包装、化妆品包装、塑胶玩具、体育休闲器材、光学等行业。

## 甬华YE全电动注塑机系列特点:

### Characteristics of Yonghua YE Full-electric Injection Molding Machine

#### 整体:

- 高效的整机反应, 高速, 高响应, 注射速度响应时间30ms, 多功能同步运行, 辅机配合实现全自动化注塑成型, 生产效率较普通机器成倍提高。
- 高可靠性机械运作, 系统控制实现自我监控和保护, 使整机安全运行, 无故障, 机器性能持久保持在最佳状态。
- 高强度的机架设计理念, 采用加厚厚壁钢材组合, 减少快速开合模时的振动。
- 高精度, 高稳定性, 使产品不良率降至最低水平。

#### Overall:

- Efficient overall reaction, which is fast and high response. The response time of injection speed is 30ms; the multiple functions can operate simultaneously; the auxiliary machinery realized full automatic injection molding; the production efficiency is 3-5 times higher than common machine.
- High reliable machinery operation. The system control realized self monitoring and protection, which made the entire machine can operate safely without fault; thus, the machine performance is durable in optimal state.
- High-intensive mounting design concept with reinforced thick wall steel material combination, which reduced the vibration when opening and closing the mould rapidly.
- High accuracy, high stability, the product defect rate dropped to its lowest level.

#### 合模:

- 采用先进的向内卷5点式肘节构造, 实现了更快的高速循环注塑成型。
- 优化连杆结构, 提升运动特性, 增加模板刚度, 减少运行惯量。
- 采用高刚性锁模装置能够装备宽幅模板, 实现了高精密稳定注塑成型。
- 配备了高性能模板支撑机构和模板导向, 能够保持模板平行度和模具定位的精度。
- 固定模板和可动模板采用了箱型构造, 满足了轻量化与高刚性的要求从而能够把均匀的锁模力施加于模具。

#### Clamping:

- Adopted advanced inward involution 5-point type toggle structure, which realized faster high-speed circulated injection molding.
- Optimized structure of connecting rod, promoted sports property, enhanced template strength and reduced movement inertia.
- Adopted high rigid mode locking device, which can equip wide platen and achieved high precise stable injection molding.
- Equipped with high-performance platen supporting mechanism and platen guidance, which can keep platen parallelism and precision of mould positioning.
- The fixed platen and movable platen adopted box type structure, which satisfied lightweight and high rigid demands so as to apply uniform clamping force to the mould.

#### 电脑界面:

- 15英寸触屏式彩色液晶画面, 使操作更方便、更轻松, 操作方式、设定画面可以通过直接点击屏幕, 轻松地进行操作。
- 界面布局清晰, 系统操作简单方便, 和液压机兼容的操作模式使得机器操作者一开始就能轻松掌握。
- 语言有中国语、英语、德语、阿拉伯语等多种语言的选择。
- 内存存储器可以储存100个注塑成形参数, 并可按客户需求进行增加。

#### Computer Interface:

- 15-inch touch screen color liquid crystal interface made the operation become more convenient and easy. The operation method and picture setting can be realized by clicking the screen directly.
- Explicit interface layout and convenient system operation; the compatible operation mode with hydraulic machine enabled operator to grasp easily.
- Support multiple languages, including Chinese language, English, German, and Arabic etc..
- The internal memory can store 100 injection molding parameters and can increase according to customers' demands.

#### 注射:

- 使用高响应, 低惯量伺服电机, 对应低惯量负载设计的方式, 完成实际螺杆的加速。
- 安装高精度的多圈绝对值编码器和射出压力传感器, 能够精度控制螺杆位置及稳定的溶胶、射出保压、背压工程。

#### Injection:

- Adopted high-response and low-inertia servo motor; the corresponding low inertia loading design can realize the acceleration of actual screw.
- The high-precision multi-ring absolute encoder and injection pressure sensor can control screw location and stable sol, ejection pressure maintaining and back pressure engineering.

#### 控制系统:

- 通过采用高速全闭环伺服系统控制电路, 将扫描时间缩短为传统的1/16, 实现了高速高精度控制, 除保压切换压力外, 还可大幅降低各种误差, 提高成型品的产品质量。
- 注塑压力检测-负载传感器分辨率提高到原来的5倍, 压力控制在0.1MPa; 高精度的编码器, 位置控制在0.03mm, 速度精确到0.1mm/s, 适合生产超精密产品, 重复定位精度高; 能够得到稳定精密注塑成型。

#### Control System:

- Adopt the high-speed fully closed-loop servo system to control circuit, which shortened the scanning time to 1/16 of traditional time and realized high-speed and high-precision control, except for pressure handover of pressure maintaining, it can also reduce various errors and improve the product quality.
- Injection molding pressure detector—the resolving power of load sensor dedicated amplifier has been enhanced to 5 times than before with pressure controlled at 0.1MPa; the location of high-precision encoder is controlled at 0.03mm, the speed is accurate to 0.1mm/s; it is suitable for producing ultra precision products with higher repeated positioning accuracy; it can achieve stable precision molding formation.

#### 其他:

- 环保性: 节能环保全伺服电机驱动运行, 无液压油, 能耗相比普通液压机减少了50%—70%, 黏流态油脂充分润滑机械活动部位, 避免了以往液体油润滑泄露污染; 机械传动采用专用高强度滚珠丝杠和同步带隔离处理, 电机静音工作, 使整机运行时噪音降低。
- 安全性: 模具保护高灵敏度, 可检测到极小障碍, 有效保护高价值模具。

#### Others:

- Environmental Conservation Energy saving and environmental protection servo motor driving without hydraulic oil; the energy consumption is reduced by 50%—70%; the flow regime grease can lubricate machinery movable position, which avoided former leakage pollution of liquid oiling; the mechanical drive adopted dedicated high strength ball screw and synchronous belt isolation; the motor operates quietly, which reduced the noise.
- Safety The sensitivity of mould protection is high, which can detect tiny obstacles and protect mould effectively.

#### 产品应用:

- 广泛适用于塑料加工工业的各个领域, 对应多样化塑料, 对应多样化的制品。
- 适合于生产各种高精度、高要求的塑料制品。

#### Product Application:

- Widely applied to various fields of plastic processing industry, this can correspond to diversified plastic and products.
- Applicable for producing the plastic products in high precisions and requirements.

#### 机器部件

#### Machine parts



高刚性锁模装置  
High rigidity mode locking device



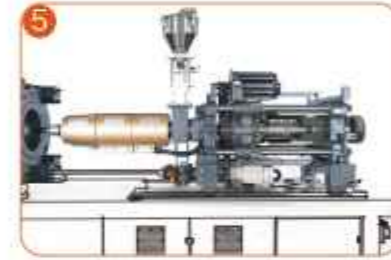
高响应低惯量伺服电机  
High-response and low-inertia servo motor



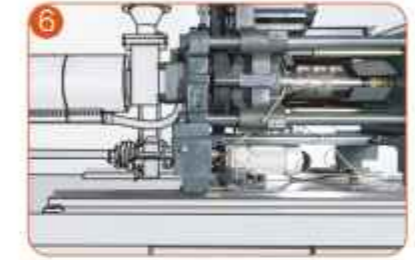
同步带联接保证稳定的扭矩  
Synchronous belt connection guaranteed stable torque



进口润滑系统  
Import lubricating system



节能型红外线加热  
Energy-saving infrared heating



采用大承载进口滚珠丝杆  
Adopted heavy-bearing imported all screw



组合式驱动器  
combined driver



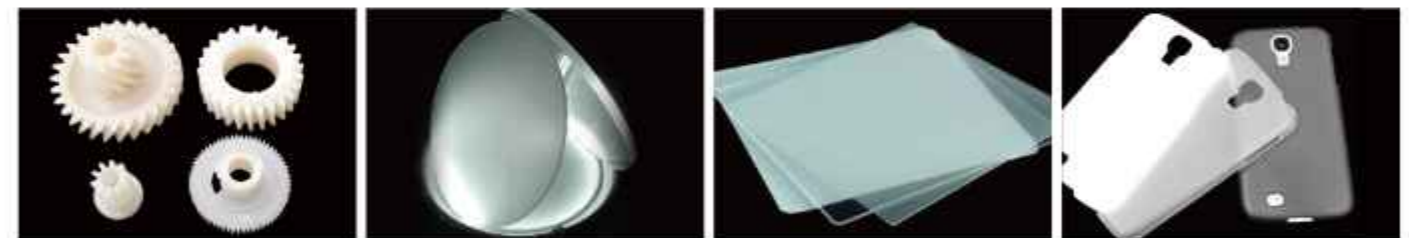
配电箱内部整齐布局  
The layout inside the distribution box is in order



电脑操作界面  
Computer operation interface

#### 产品应用:

#### Product Application



## Introduction of Yonghua YE Full-electric Injection Molding Machine

Yonghua YE model is an independently researched and developed full-electric injection molding machine; it is equipped with the mechanical structure that is suitable for high speed and high precision operation. The high-speed servo control circuit it equipped is available for the plastic industry pursuing efficient and high-tech requirements.

It integrated the most advanced drive and transmission technology, combined with abundant specialized technical demands of molding, blended simple and convenient humanized design concept, adopted modernized digital processing technology, and equipped with the excellent properties such as energy saving, environmental protection, high speed, efficient, precise control, reliable operation and convenient operation, which greatly satisfied customers' various demands for machine stability, production efficiency and environmental protection property.

The device is widely applied to various fields of plastic processing industry, including electric equipment products, photoelectric digital products, automobile accessory and aviation product, medical treatment and food packaging, cosmetic packaging, plastic toy, sports leisure instrument, and optics etc..

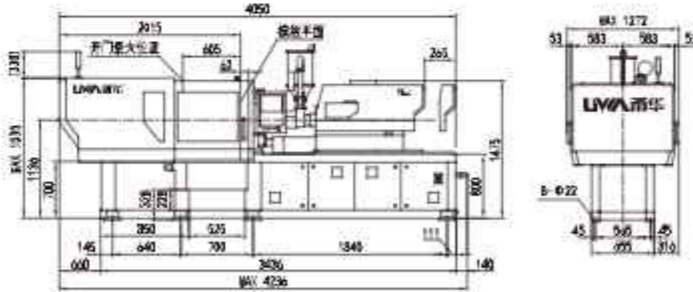
技术参数表 TECHNICAL DATA			YE60W					
规格	Specification		80VE/80V			150VE/150V		
注射部件	Injection Unit	单位	A	B	C	A	B	C
螺杆直径	Screw diameter	[mm]	20	22	26	26	28	32
长径比	Screw L/D ratio	[L/D]	20	20	18	21	21	19
注射容积	Cylinder head volume	[cm <sup>3</sup> ]	28	34	47	58	67	88
注射重量	Shot weight	[g]	25	31	43	53	61	80
注射压力	Injection pressure	[Mpa]	270	223	160	255	220	168
注射速率	Injection rate	[g/s]	57/100	69/121	97/169	97/169	112/196	146/256
注射速度	Shot speed	[mm/s]	200/350			200/350		
注射行程	Injection stroke	[mm]	90			110		
螺杆转速	Screw speed	[rpm]	400			400		
喷嘴接触力	Nozzle touch force	[KN]	14.8			14.8		
喷嘴球径	Sphere diameter of nozzle	[mm]	SR10			SR10		
<b>合模装置 Clamping Unit</b>								
合模力	Clamping force	[KN]	600					
最大开模行程	Max.mould opening stroke	[mm]	270					
拉杆间距	Space between tie bars	[mm]	370 x 320					
最小模具尺寸	Min.Mould size	[mm]	240 x 205					
最小模厚	Min.Mould height	[mm]	150					
最大模厚	Max.Mould height	[mm]	370					
模厚定位孔直径	Dia of mould location hole	[mm]	Φ100H7					
顶出行程	Ejector stroke	[mm]	70					
顶出力	Ejector force	[KN]	20					
顶出杆数	Ejector number	[PIECE]	5					
<b>其他 Others</b>								
电机功率	Motor power	[Kw]	8.9/9.5			11.8/11		
料筒电热功率	Heating power	[Kw]	5.25			7.95		
加热段	Heating section		3+3			3+3		
机器尺寸	Machine dimension	[m]	4.25 x 1.3 x 1.54			4.25 x 1.3 x 1.54		
机器重量	Machine weight	[t]	3.3			3.5		

注意: \*公司具有随时更改型号、参数、规格、配置、颜色的权力,恕不另行通知。  
Attention: \* Our company reserves the right of changing model, parameter, specification, configuration and color without prior notice.

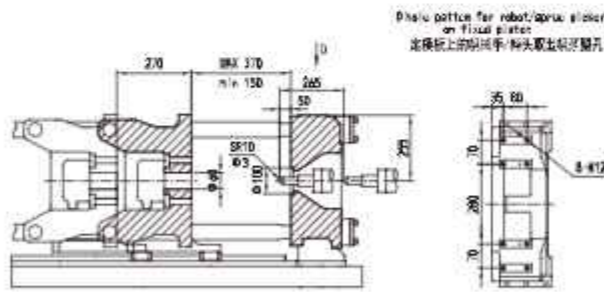
技术参数表 TECHNICAL DATA			YE90W								
规格	Specification		80VE/80V			150VE/150V			200VE/200V		
注射部件	Injection Unit	单位	A	B	C	A	B	C	A	B	C
螺杆直径	Screw diameter	[mm]	20	22	26	26	28	32	28	32	36
长径比	Screw L/D ratio	[L/D]	20	20	18	21	21	19	22	21	18.7
注射容积	Cylinder head volume	[cm <sup>3</sup> ]	28	34	47	58	67	88	77	100	127
注射重量	Shot weight	[g]	25	31	43	53	61	80	70	91	116
注射压力	Injection pressure	[Mpa]	270	223	160	255	220	168	261	200	158
注射速率	Injection rate	[g/s]	57/100	69/121	97/169	97/169	112/196	146/256	112/196	146/256	185/324
注射速度	Shot speed	[mm/s]	200/350			200/350			200/350		
注射行程	Injection stroke	[mm]	90			110			125		
螺杆转速	Screw speed	[rpm]	400			400			400		
喷嘴接触力	Nozzle touch force	[KN]	14.8			14.8			19.7		
喷嘴球径	Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
<b>合模装置 Clamping Unit</b>											
合模力	Clamping force	[KN]	900								
最大开模行程	Max.mould opening stroke	[mm]	320								
拉杆间距	Space between tie bars	[mm]	420 x 370								
最小模具尺寸	Min.Mould size	[mm]	270 x 240								
最小模厚	Min.Mould height	[mm]	150								
最大模厚	Max.Mould height	[mm]	420								
模厚定位孔直径	Dia of mould location hole	[mm]	Φ100H7								
顶出行程	Ejector stroke	[mm]	80								
顶出力	Ejector force	[KN]	31.4								
顶出杆数	Ejector number	[PIECE]	5								
<b>其他 Others</b>											
电机功率	Motor power	[Kw]	8.9/9.5			11.8/11			14.5/15		
料筒电热功率	Heating power	[Kw]	5.25			7.95			9.25		
加热段	Heating section		3+3			3+3			3+3		
机器尺寸	Machine dimension	[m]	4.56 x 1.34 x 1.63			4.56 x 1.34 x 1.63			4.68 x 1.34 x 1.63		
机器重量	Machine weight	[t]	3.8			4.2			4.2		

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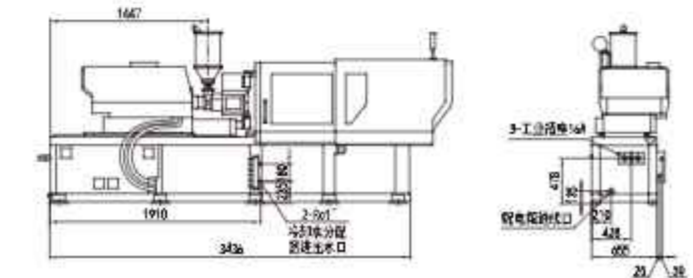
外形尺寸 / Dimension Of Exterior



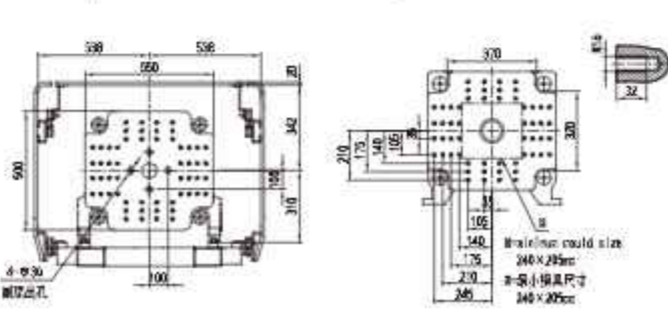
模板尺寸 / Dimension Of Templet



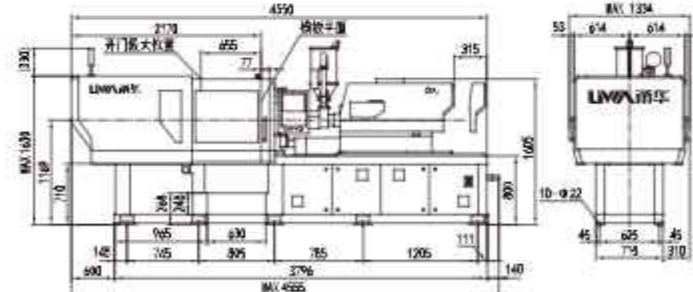
冷却水分配器、配电箱进线孔、工业插座 / 位置尺寸  
Cooling water distribution box, distribution box into the line hole, industrial socket / Position Size



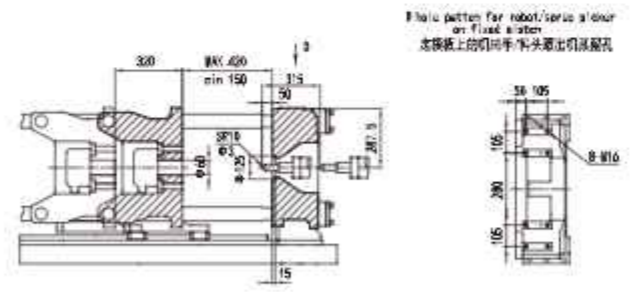
Movable platen 动模板 Fixed platen 定模板



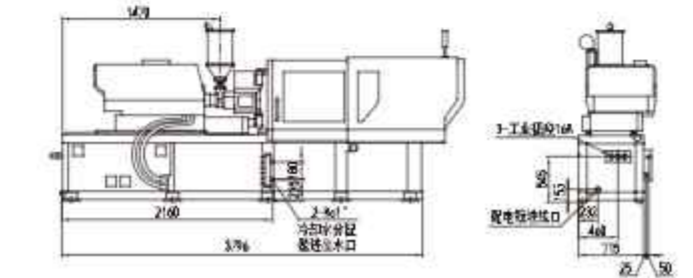
外形尺寸 / Dimension Of Exterior



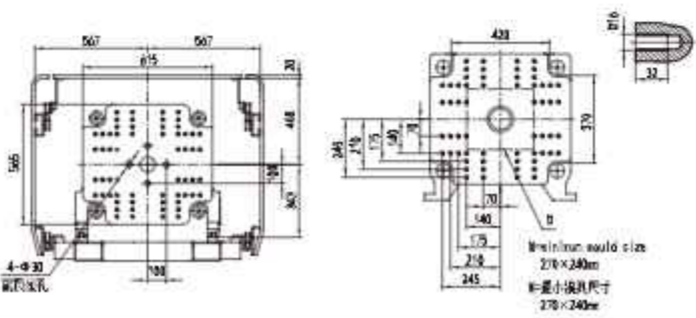
模板尺寸 / Dimension Of Templet



冷却水分配器、配电箱进线孔、工业插座 / 位置尺寸  
Cooling water distribution box, distribution box into the line hole, industrial socket / Position Size



Movable platen 动模板 Fixed platen 定模板

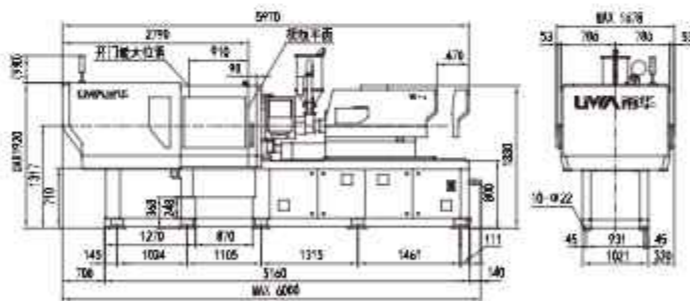




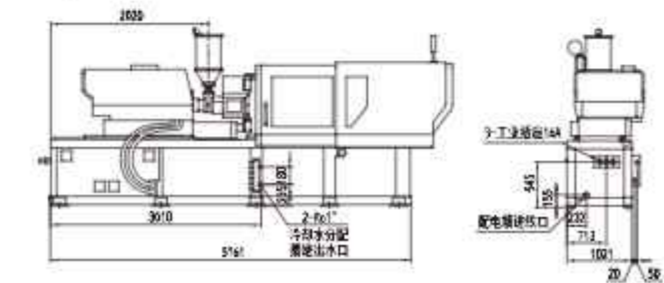
技术参数表 TECHNICAL DATA			YE190W								
规格	Specification		300VE/300V			430VE/430V			640VE/640V		
注射部件	Injection Unit	单位	A	B	C	A	B	C	A	B	C
螺杆直径	Screw diameter	[mm]	32	36	40	36	40	45	40	45	50
长径比	Screw L/D ratio	[L/D]	23.6	21	19	23.3	21	19	23.5	21	19
注射容积	Cylinder head volume	[cm <sup>3</sup> ]	116	147	182	173	213	270	252	319	395
注射重量	Shot weight	[g]	106	134	166	157	194	246	229	290	358
注射压力	Injection pressure	[Mpa]	253	200	162	247	200	158	253	200	162
注射速率	Injection rate	[g/s]	146/256	185/324	229/400	185/324	229/400	290/507	183/343	231/434	286/536
注射速度	Shot speed	[mm/s]	200/350			200/350			160/300		
注射行程	Injection stroke	[mm]	145			170			200		
螺杆转速	Screw speed	[rpm]	400			400			350		
喷嘴接触力	Nozzle touch force	[KN]	19.7			19.7			39.3		
喷嘴球径	Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
<b>合模装置 Clamping Unit</b>											
合模力	Clamping force	[KN]				1900					
最大开模行程	Max.mould opening stroke	[mm]				470					
拉杆间距	Space between tie bars	[mm]				590 x 530					
最小模具尺寸	Min.Mould size	[mm]				355 x 335					
最小模厚	Min.Mould height	[mm]				200					
最大模厚	Max.Mould height	[mm]				550					
模厚定位孔直径	Dia of mould location hole	[mm]				Φ160H7					
顶出行程	Ejector stroke	[mm]				130					
顶出力	Ejector force	[KN]				44.1					
顶出杆数	Ejector number	[PIECE]				5					
<b>其他 Others</b>											
电机功率	Motor power	[Kw]	23.6/23.4			27.9/30			29/30		
料筒电热功率	Heating power	[Kw]	13			14.2			16.6		
加热段	Heating section		3+3			3+3			3+3		
机器尺寸	Machine dimension	[m]	6.0 x 1.68 x 1.92			6.0 x 1.68 x 1.92			6.25 x 1.68 x 1.92		
机器重量	Machine weight	[t]	8.1			8.1			8.6		

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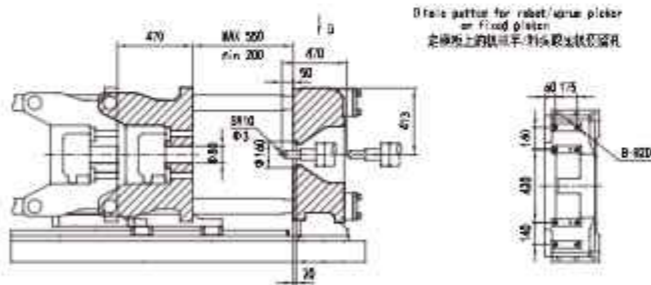
外形尺寸 / Dimension Of Exterior



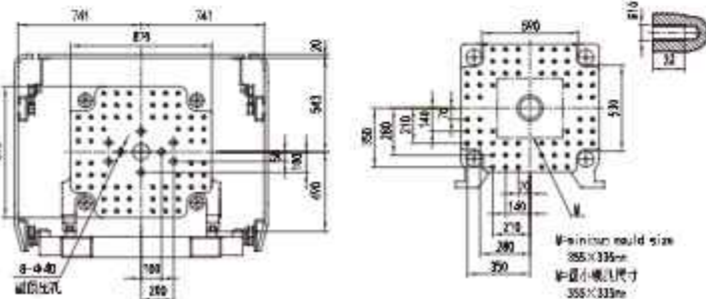
冷却水分配器、配电箱进线孔、工业插座 / 位置尺寸  
Cooling water distribution box, distribution box into the line hole, industrial socket / Position Size



模板尺寸 / Dimension Of Templet



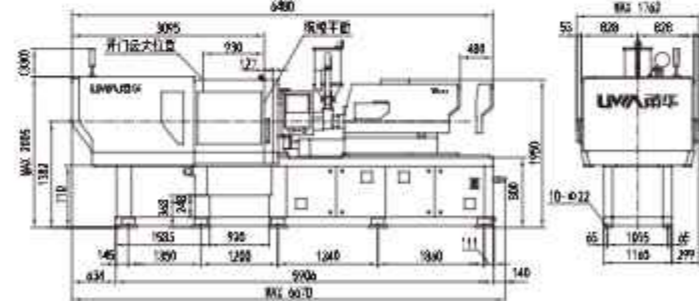
Movable platen 动模板 Fixed platen 定模板



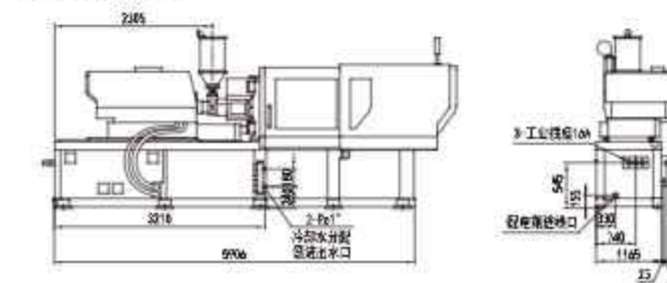
技术参数表 TECHNICAL DATA			YE230W								
规格	Specification		430VE/430V			640VE/640V			850VE/850V		
注射部件	Injection Unit	单位	A	B	C	A	B	C	A	B	C
螺杆直径	Screw diameter	[mm]	36	40	45	40	45	50	45	50	55
长径比	Screw L/D ratio	[L/D]	23.3	21	19	23.5	21	19	23.2	21	19
注射容积	Cylinder head volume	[cm <sup>3</sup> ]	173	213	270	252	319	395	342	422	511
注射重量	Shot weight	[g]	157	194	246	229	290	358	311	384	465
注射压力	Injection pressure	[Mpa]	247	200	158	253	200	162	247	200	165
注射速率	Injection rate	[g/s]	185/324	229/400	290/507	183/343	231/434	286/536	231/434	286/536	346/649
注射速度	Shot speed	[mm/s]	200/350			160/300			160/300		
注射行程	Injection stroke	[mm]	170			200			215		
螺杆转速	Screw speed	[rpm]	400			350			350		
喷嘴接触力	Nozzle touch force	[KN]	19.7			39.3			39.3		
喷嘴球径	Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
<b>合模装置 Clamping Unit</b>											
合模力	Clamping force	[KN]				2300					
最大开模行程	Max.mould opening stroke	[mm]				550					
拉杆间距	Space between tie bars	[mm]				650 x 590					
最小模具尺寸	Min.Mould size	[mm]				425 x 385					
最小模厚	Min.Mould height	[mm]				230					
最大模厚	Max.Mould height	[mm]				680					
模厚定位孔直径	Dia of mould location hole	[mm]				Φ160H7					
顶出行程	Ejector stroke	[mm]				150					
顶出力	Ejector force	[KN]				44.1					
顶出杆数	Ejector number	[PIECE]				13					
<b>其他 Others</b>											
电机功率	Motor power	[Kw]	33.9/33.9			35/35			36.9/41		
料筒电热功率	Heating power	[Kw]	14.2			16.6			20.2		
加热段	Heating section		3+3			3+3			4+3		
机器尺寸	Machine dimension	[m]	6.67 x 1.77 x 2.01			6.67 x 1.77 x 2.01			6.81 x 1.77 x 2.01		
机器重量	Machine weight	[t]	11.1			11.5			11.9		

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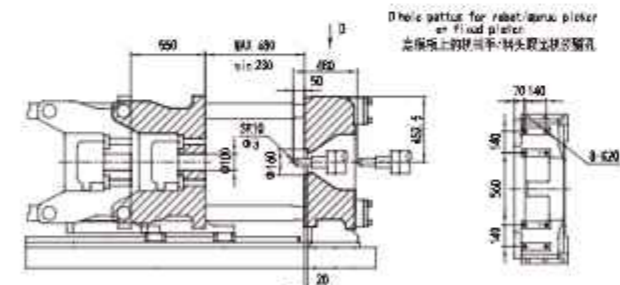
外形尺寸 / Dimension Of Exterior



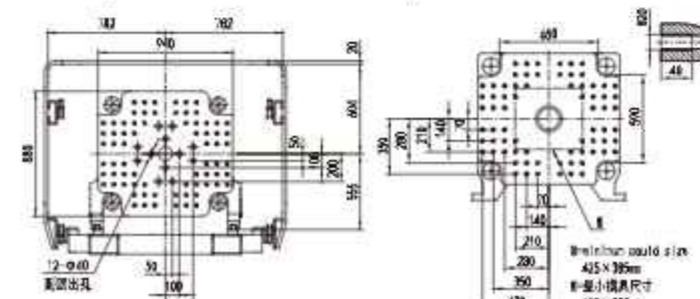
冷却水分配器、配电箱进线孔、工业插座 / 位置尺寸  
Cooling water distribution box, distribution box into the line hole, industrial socket / Position Size



模板尺寸 / Dimension Of Templet



Movable platen 动模板 Fixed platen 定模板





标准配件列表  
Main Equipment List

合模单元	Clamping Unit	注射单元	Injection Unit
5支点斜排双曲肘	Five point oblique toggle	双金属料筒和硬化螺杆	Bimetallic barrel and hardened screw
通过皮带和丝杆驱动模板	Clamp movement via screw and belt drive	不锈钢料筒罩	Barrel cover with perforated metal
6段开合模速度可调	6 adjustable open and close speeds	通过皮带和丝杆驱动注射	Injection movement via ball screw and belt drive
锁模力调整	Clamping force adjustable	10段注射速度可调	10 Stages injection movement speed adjustable
自动调模	Automatic mold height adjustment	5段保压可调	5 Stages pressure holding adjustable
高精度位置, 扭力控制	Preise positioning, speed and force control	3段塑化背压, 螺杆转速可调	3 Stages rotate speed and backpressure adjustable in plasticizing
高灵敏2段模具保护	High sensitivity mole protection with two stages	螺杆转速实时显示	Screw rotate speed display
自动润滑	Automatic lubrication	前松退和后松退功能	Screw suckback and pre- suckback
动模板使用线性导轨	Linear guide for moving platen	螺杆冷启动保护	Screw cold start protection
冷却时开模	Open mold during cooling	自动清料	Auto purge
储料时开模	Open mold during charging	压缩注塑功能	Compress injection
		落料口温度控制	Hopper with temperature control
		滑动下料座	Slide hopper loader
		注射安全罩	Injection safety protection
		注射前延时	Injection delay
		储料前延时	Charge delay
		6种VP切换模式	6 VP transfer mode selection
		喷嘴接触力调整	Nozzle contact force adjustable
		自动加热功能	Automatic heating start and shutdown
		热点偶短路检测	Heating zone and thermocouple failure detection
控制系统	Controller	顶针	Ejector
高性能PLC系统	High performance PLC system	顶针扭力保护	Ejector torque protection
15英寸显示器配备电容式触摸屏	15 inch full color LCD with capacitive touch screen	顶针软件零位设定	Ejector back end position adjustable
多种外接端口, 包括以太网, USB接口, HDMI, CAN总线等	Various interface for external devices, like Ethernet, USB, HDMI, CAN	延时顶出功能	Ejector forward delay
通过USB接口保存数据	USB storage	顶出保持功能	Ejector holding
参数输入保护, 提示	Keypad with limitation, and tips	模具安装准备模式 (调模模式)	Mold setting mode available
10000条警报和操作记录	10000 lines of alarms and operation log	开模中顶出功能	Ejector during mold opening
10000组生产数据记录	10000 groups product data records		
10000组工艺文件保存	10000 process data files saved		
多语言支持	Multi-language		
远程协助, 软件更新, 故障处理	Remote diagnostics, software upgrade, technical supports		
屏幕截取	Print screen and save		
I/O检测和状态显示	I/O check and status		
质量判别和统计以及质量曲线	Quality criteria and statistics, the quality curve		
质量异常处理功能	Quality exception handing		
生产管理功能	Production management		
锁模力曲线监控	Clamp force curve monitor		
模数计数器	Molding timer		
下料口温度显示	Hopper actual temperature display		

机器选装配置  
Machine Configuration Options

合模装置	Clamping Unit	塑化注射装置	Plastic injection device
公、母模吹气装置	Moving and fixing platen blowing device	镀铬镀铬螺杆组件	Hard chrom plated screw assembly
气动顶出装置	Pneumatic ejection device	高耐磨耐腐蚀螺杆组件	High wear-resistant high corrosion screw assembly
液压单元 (液压中子、阀式浇口用)	Hydraulic unit(Hydraulic stop valve gate)	大容量喷嘴电热圈	High capacity nozzle heating ring
液压中子装置(动作可编程)	Hydraulic stop device (programmable action)	加长喷嘴	Lengthen Nozzle
气动中子装置(动作可编程)	Pneumatic stop device	模内压力V/P切换功能	In-mold pressure V/P switching function
阀针控制装置(Valve Gate)	Valve gate control device	针阀式气动喷嘴	Needle valve pneumatic nozzle
玻璃管流量计	Flow meter	弹簧式喷嘴	Spring nozzle
特殊定制模板(T型槽、螺孔孔样布)	Special custom template (T-slot threaded hole)	喷嘴头部定制	Custom nozzle head
绞牙驱动控制电气回路	Electric circuit of control for unscrew driving	标准型料斗	Standard hopper
最大模厚加大	Increase Max.mold thickness	不锈钢料斗	Stainless steel hopper
模具滑块保护功能	Mold slider protection	料筒红外加热装置	Barrel infrared heating device
顶出压缩功能	Eject compression function	料筒节能保温套	Energy-saving cylinder insulation sleeve
模具自动夹紧装置 (气动/液压)	Mold automatically tighten device (pneumatic/hydraulic)	控制监视装置	Control monitoring device
带制动器的顶出装置	Ejector with self-locking function	模具温度显示及控制	Mold temperature display and control
内制热流道控制装置	internal hot runner control device	质量分选电气接口	Quality sorting electrical interface
产品下料斜板	Product feeding ramp	加热器断线检测功能	Intelligent heater break detection
操作侧电动移动门	Operation side electric door	增加冷却水回路	Increase cooling water circuit
锁模力闭环控制	Clamping force closed-loop control	欧规67机械手电气接口	Robot European 67 electrical interface
质量分选装置 (两个方向翻转板)	Quality sorting device(Flip board in both directions)	气辅注射电气接口	Gas-assisted injection electrical interface
成型品落下检测装置	Product drop detection device	磁力模板电气接口	Magnetic template electrical interface
		模腔压力检测电气接口	Mold cavity pressure detection electrical interface