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实力铸造品牌

Our Brand Is Our Strength



### 企业简介 / Brief Introduction

宁波海涌明大塑料机械有限公司是中国领先的注塑机提供商。公司成立于2002年，坐落于宁波市北仑区小港街道东港研工业区，占地20000平方米，拥有自己独立的研发，制造，销售团队。宁波海涌拥有完整的产品线和融合解决方案，通过全系列的注塑机产品，灵活满足全球不同客户的差异化需求以及快速创新的追求。我们的注塑机市场占有率在行业中处于前列，HY系列和HYW系列产品获得用户广泛好评。海涌坚持持续技术创新为客户创造最大价值为愿景，围绕客户的需求持续创新，与合作伙伴开放合作，致力于为客户提供价格合理，性能稳定，具有竞争力的注塑机产品，持续提升客户体验，为客户创造最大价值。目前，海涌的产品已经广泛应用于中国，泰国，马来西亚，智利等多个国家和地区，服务全球1/5的人口，并开始向欧洲，美洲，俄罗斯，印度，中东和非洲市场拓展。凭借不断增强的创新能力、突出的灵活定制能力、日趋完善的交付能力，海涌赢得客户的信任与合作。海涌明大坚持在全球范围内贯彻可持续发展理念，实现社会、环境及利益相关者的和谐共生。我们将“创新、融合、绿色”理念贯穿到整个产品生命周期，以及研发、生产、物流、客户服务等全流程，为实现全球性降低能耗和二氧化碳排放不懈努力。

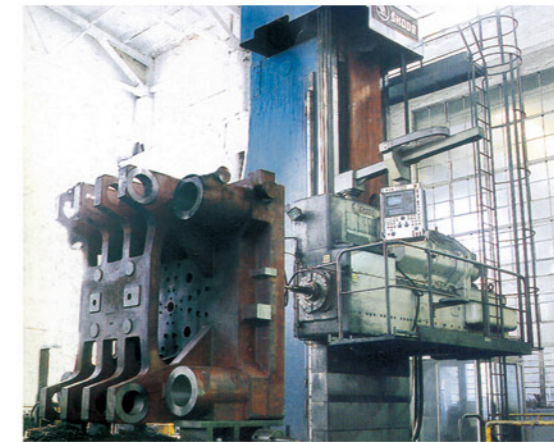


以技为魂，卓尔不群。一流的人才、一流的技术、一流的管理，打造出一流的塑机品牌；以及“品质至上，务实创新”为宗旨，用实际行动不断开拓进取，开创中国塑机业的新纪元。

Be proud of the technology as the soul. Awe-inspiring and outstanding. Combined with top talents, latest technology and high standard management, we make the first-class brand of injection machines. With "High Quality, Pragmatism and Innovation", we are committed to continuously make the progress, and create a new era of the plastic machinery industry of China.



Ningbo Haiyong Mingda Plastic Machinery Co., Ltd. is a leading supplier of injection moulding machines, located in the Donggangqi Industrial Zone, Xiaogang Town, Beilun Area, Ningbo. It covers an area of 20,000 square-meters. We have independent research and development, manufacturing and sales team. Haiyong has comprehensive product range, covering virtually every sector. The company's broad range of expertise and flexibility in these areas allows it to satisfy the demands of global operators and assist them in their pursuit of innovation. Our machine's share is at the top level of plastic injection moulding machine industry, HY and HYW machines is obtained wide acclaim by customers. Haiyong insists on continuing technological innovation to create maximum value for customers, continued innovation around the customer's needs, cooperating well with partners Haiyong is committed to providing customers with reasonable prices, stable performance, competitive injection molding machine products, continuing to improve customer's experience with our machines. Haiyong have been deployed by operators in China, Thailand, Chile, Malaysia, Russia, India, Middle East and Africa. With the growing power of innovation ability, outstanding flexible customization capability, improving delivery ability, Haiyong won customers' trust and cooperation. Haiyong insists to implement the concept of sustainable development. Haiyong has incorporated innovation, technological convergence and the concept of "going green" into the product life cycle. Our company also is committed to maximizing energy efficiency and minimizing the CO<sub>2</sub> emissions, efficiency and minimizing the CO<sub>2</sub> emissions.





## 电控 / Electronic control

### 反应速度快，系统稳定

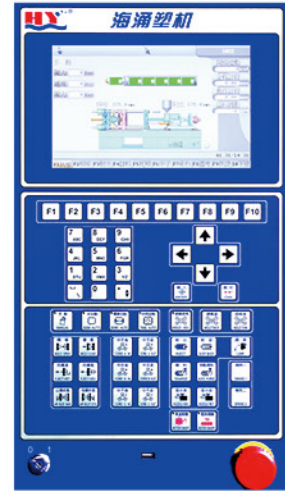
Quick Reaction Stability System

#### 电控部分

量身定做的注塑机专用电脑，具有高的响应速度，适时监控各项数据，使人机界面更具人性化。

#### Control Part

Toilored to the injection molding machine special computer,high speed response,timely monitoring various data,make the man-machine interface is more human.



控制电脑 Computer



电器 Electric

#### 特点

- 专用的塑机控制电脑，控制和现实相对独立，可靠性好
- 工艺参数预设及存储功能
- 参数资料保护功能
- 料筒温度偏差自动校正
- 异常报警功能
- 前后门紧急停止按钮
- 实时监测显示各动作的运行情况
- 电机安全保护装置
- 机械手接口
- 下料光电开关
- 系统硬件 I/Q 检测功能
- 通过电脑设定和 PID 闭环方式精确控制料筒温度
- 屏幕保护功能，延长显示屏的使用寿命
- 全封闭电器控制箱，电气元件排布整齐，互不干扰

#### Features

- Special PLC computer controller for plastic injection machine use, control and display relatively independent with high reliability
- Technical parameters pre-setting and storage function
- Parameters information protection function
- Charging barrel temperature deviation automatic adjustment function
- Abnormal alarm function
- Front and back door emergency stop button
- Timely monitoring can display the condition of each motion
- Electrical motor safety protection device
- Robotic pincher interface
- Material feeding photoelectric switch
- System hardware I/Q detection function
- Charging barrel temperature is controlled accurately by computer setting and PID closed-loop manner
- Screen protection function,prolong the life of screen using
- Full-enclosed electrical-controlled box, electrical components are neatly arranged, never interfere with each other.



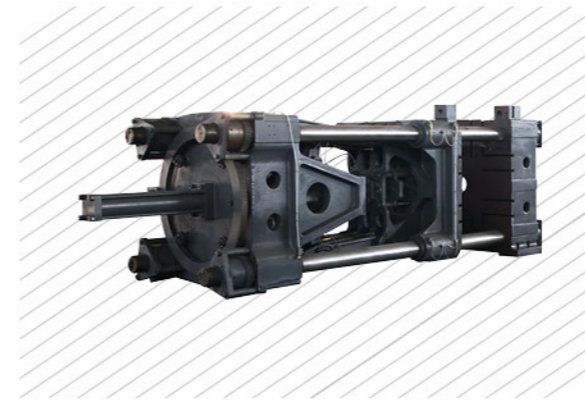
注射部件 Injection Unit

#### 稳定的注射装置

注射部件采用双缸平衡注射，双导柱直线导轨支承。丰富的专用螺杆库供客户选着于满足各种注塑料材料的成型加工，并可配合多种专用注塑装置，方便了客户。采用了高性能低速大扭矩液压马达直接驱动螺杆预塑。

#### Stable injection device

Injection components use dual-cylinder balance injection unit and duple -leaders direct line rail supporting .a rich special screw libray can be choose customers and can be fitted with a variety of injection molding. furthermore, the be compatible with a variety of special injection devices, convenient for customers. they use high-performance low-speed torque hydraulic motor directly driving a large pre-plastic screw.



合模单元 Clamp Unit

#### 可靠平稳的锁膜结构

合模部件通过计算机仿真，从运动学和动力学特性进行了整体优化，采用了技术领先的斜排五支点双曲肘锁模机构，模板经有限元分析，创新了空心球面结构的头板，箱式支架板和模板连体结构等，确保合模部件的高刚性和高可靠性，达到开合模平稳，锁模牢靠，同时超大的拉杆内间距，可安装较大的模具。

#### Stable and reliable clamping unit

Clamping components b y computer simulation, the overall optimization from the kinematic and dynamic characteristics, using the technology-leading five-point double toggle oblique clamping template by finite element analysis, innovation of the hollow spherical structure of the head board plywood box frame structure and templates Siamese, etc. to ensure mold parts is high rigidity and high reliability, to achieve a smooth opening and closing mold mode-locked solid, large distance between the lever mold can be installed.

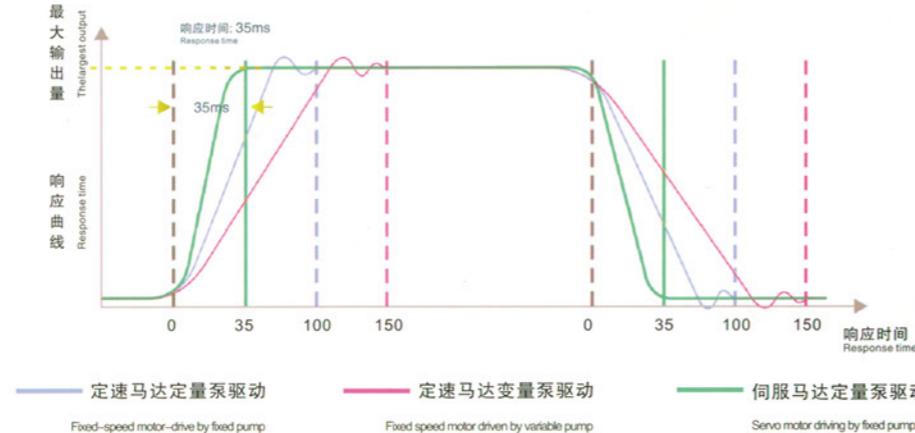
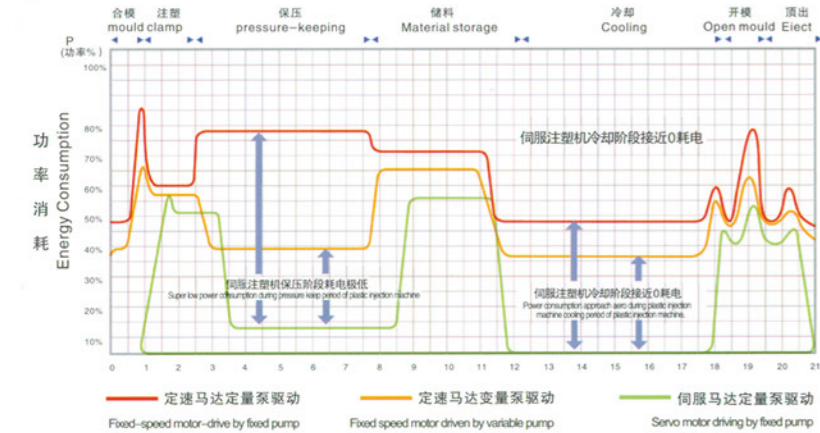
### L 系列伺服节能注塑机 / L Series Servo Energy-Saving Injection Molding Machines

#### 系统功率消耗比较

The comparision of systemic Power consumptuon

伺服节能注塑机, 输出功率随负载变化而变化, 不存在多余能量的浪费。冷却极端电机不工作, 耗电为 0。伺服节能注塑机相比传统注塑机可节省 20% -80%, 给您带来真正的省电享受, 经济效益显著。

Servo energy-saving injection molding machines, There is no extra energy consumption due to output Volume changes according to load. The cooling motor doesn't work and consumes no energy. Servo energy-saving injection molding machines will save 20%-80% energy and bring you prominent economic.



**大幅节能**  
在等条件下, 相比传统定量泵注塑机节能 20%-80%  
Considerably energy-saving  
Compared with fixed pump machine, this series can save 20%-80% of the powey the same condition.

**极佳成型稳定性**  
伺服驱动系统, 压力、流量采用闭环控制, 相比较传统注塑机, 成型重复精度明显提高  
Excellent fashioning stability  
Servo-drive system, pressure and flow close-loop control, repetitive precision significant increase compared with Conventional injection molding machine.

**响应速度快**  
伺服驱动响应迅速, 快速启动时间比传统注射提高 50%  
Rapid response  
Servodrive has rapid response, which improve 50% starting time.

**超性能环保**  
整机运行低噪音, 低速运行更宁静  
Reliable environmental protection SLow-noise while machine running, especially for low speed running

**优异的杆杆永密性**  
伺服电机按比例输出液压油, 避免多余热量产生, 液压油甚至不需冷却实现大幅节水  
Constan oil temperature  
Servo motor distributes hydraulic oil eppropriately, there for, oil usually will not get hot, Somotimes cooling water becomes annesses sary



## HYW-H 系列 (高速精密注塑机) / HYW-H Series (High-speed precision injection molding machine)



此机型采用进口高性能蓄能器，注塑采用差运动方式，适合精度要求高的超薄塑料产品的成型。

This model uses imported high-performance accumulator device, injection molding method using differential movement, Suitable for high precision thin-wall plastic molded products.

## HYW-PVC 系统 (管道接口专用机) / HYW-PVC Series (PIPE Fitting Machine)



根据 PVC 产品特点，多项结构、配置经过优化改进，生产效率更高，工艺更加稳定。

PVC according to product characteristics, a number of structures, improved configuration has been optimized, efficient production, process more stable.

## HYW 系列热固性注塑机 / HYW Series special injection moulding machines for thermosetting plastics



此系列注塑机采用复合材料的模具隔热装置，专用热煤油内循环料筒，配有专业设计的热固性塑料的螺杆组件，适合于加工各种热固性塑料。

These serice use heat insulation device of complex materials on mold and special barrel of thermoset internal circulation, match specially designed thermosetting screw sets, be suitable to process all kinds of thermosetting plastics.



## HYW-H 系列 (PET) / HYW-H Series (PET)



### HYW-PET-series high speed Preform injection molding machine

Specially made PET screw highly increases the plasticizing speed and shot weight, lowers the plasticizing speed and show weight, lowers the plasticizing temperature and AA value, also lowers the shearing of perform, while achieves better transparency.

The servo motor control system can save energy by 30% ~ 50%, -Different models are available for the choice of customers.

Increasing eject force ejector stroke, accepts PET perform molding.

Whole closed safe door meets the requirement of sanitary and thermo-control.

Hot runner system interface is included.

Optional with pressure holding and charge at the same time, which can increase the output by 15% ~ 25%.

Whole production project can be provided, including moulds, injection molding machine, PET stretch blow molding machine and auxiliary equipments.



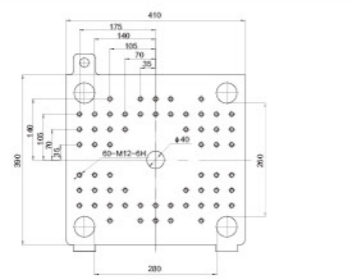
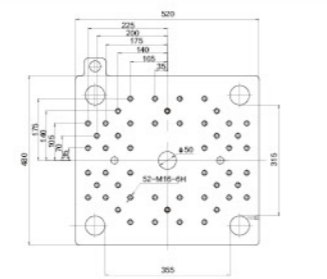
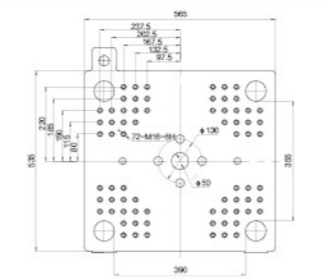
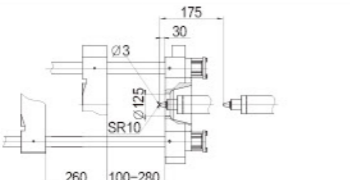
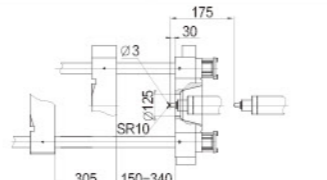
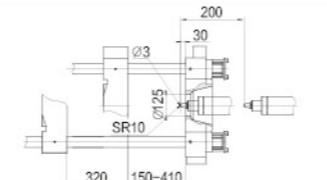
### compact PET Bottle Producing machine line

CM automatic stretch blow molding machine is equipped with patented preform loading system, which consists of two manipulators: rectilinear manipulator and overturning manipulator. The rectilinear manipulator moves preform with neck up to the preform holder, after heating, the overturning manipulator grips heated preform and overturn 180 put preform to blow station with neck down. After stretching and blowing, the bottle is taken off by overturning manipulator. The specially designed preform loading & bottle discharging system avoid possible damage to preform & bottle during transportation.

CM is controlled by PLC. The whole process from preform feeding to bottle discharging is completed automatically with advantages of labor saving and no pollution. CM consists of three main parts: preform loading system, Heater channel & blow station

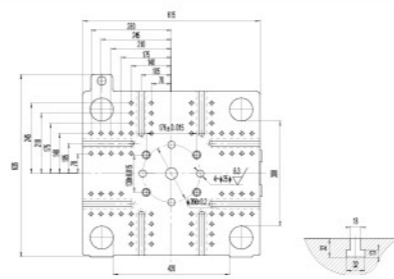
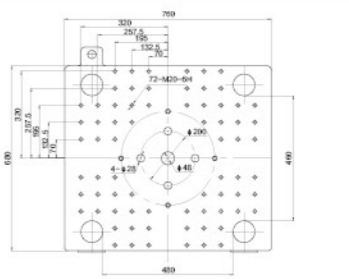
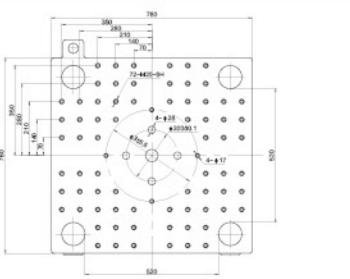
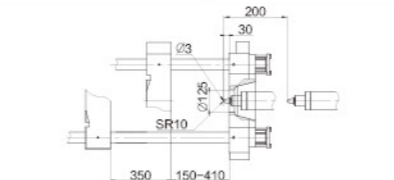
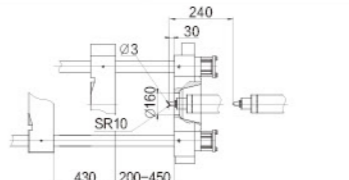
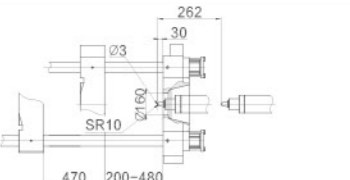


技术参数表 / Specification

	HY50		HY100		HY120	
注射装置 /Injection Unit	A	B	A	B	A	B
螺杆直径 /Screw Diameter (mm)	28	32	32	35	40	42
螺杆长径比 /Screw L/D Ratio (L/D)	22	19.5	22	20	22	21
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	61	80	132	160	188	208
注射重量 /Injection Weight (g)	56	72	120	145	171	189
注射压力 /Injection Pressure (Mpa)	193	147	203	170	168	152
螺杆转速 /Screw Speed (rpm)	190		218		218	
<b>合模装置 /CLAMPING UNIT</b>						
合模力 /Clamp Tonnage (KN)	500		1000		1200	
移模行程 /Toggle Stroke (mm)	260		305		320	
拉杆间距 /Space Between Tie Bars (mm)	280*260		355*315		390*355	
最大模厚 /Max.mold Height (mm)	280		340		410	
最小模厚 /Min.mold Height (mm)	100		150		150	
顶出行程 /Ejector Stroke (mm)	55		60		75	
顶出力 /Ejector Tonnage (KN)	18		27		30	
顶出杆根数 /Ejector Quantity (PC)	1		1		5	
<b>其它 /OTHERS</b>						
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16		16		16	
油泵马达功率 /PUMP MOTOR POWER (KW)	5.5		11		11	
电热功率 /HEATER POWER (KW)	4.75		6.9		9.1	
机器重量约 /MACHINE WEIGHT (T)	1.48		2.7		3.3	
尺寸 /Dimensions (mm)	3200*1300*1500		3800*1350*1600		4060*1350*1700	
模板正面尺寸 /Platen Dimensions (mm)						
模板侧面尺寸 /Mould Space Dimensions (mm)						

◆注：以上技术参数均为 50HZ 工作状态下的理论参考值；因技术改进参数恕不另行通知；具体以实物为准，HYW 为连体结构

技术参数表 / Specification

	HY130		HY180		HY240	
注射装置 /Injection Unit	A	B	A	B	A	B
螺杆直径 /Screw Diameter (mm)	38	42	50	55	60	65
螺杆长径比 /Screw L/D Ratio (L/D)	22.1	20	20	18	19.3	17.8
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	204	249	402	490	636	746
注射重量 /Injection Weight (g)	199	220	366	445	579	679
注射压力 /Injection Pressure (Mpa)	209	171	168	138	142	131
螺杆转速 /Screw Speed (rpm)	185		158		182	
<b>合模装置 /CLAMPING UNIT</b>						
合模力 /Clamp Tonnage (KN)	1300		1800		2400	
移模行程 /Toggle Stroke (mm)	350		430		470	
拉杆间距 /Space Between Tie Bars (mm)	415*375		480*460		520*520	
最大模厚 /Max.mold Height (mm)	410		450		480	
最小模厚 /Min.mold Height (mm)	150		200		200	
顶出行程 /Ejector Stroke (mm)	100		90		100	
顶出力 /Ejector Tonnage (KN)	40		70		70	
顶出杆根数 /Ejector Quantity (PC)	5		5		5	
<b>其它 /OTHERS</b>						
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16		16		16	
油泵马达功率 /PUMP MOTOR POWER (KW)	11		18.5		22	
电热功率 /HEATER POWER (KW)	9.1		10.1		13.7	
机器重量约 /MACHINE WEIGHT (T)	4		6		7.1	
尺寸 /Dimensions (mm)	4420*1300*1800		5000*1550*2000		5800*1660*2000	
模板正面尺寸 /Platen Dimensions (mm)						
模板侧面尺寸 /Mould Space Dimensions (mm)						

◆All of the above parameters are the theoretical values under the functional mode of 50HZ.we reserve the right to make any technical improvement without prior notice . The details are subject to the latest design.HYW series is the connected structure



技术参数表 / Specification

	HYW70			HYW125			HYW130		
注射装置 /Injection Unit	A	B	C	A	B	C	A	B	C
螺杆直径 /Screw Diameter (mm)	28	30	34	36	38	40	38	42	45
螺杆长径比 /Screw L/D Ratio (L/D)	23.5	22.4	19.3	23.9	22	21	22.1	20	18.6
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	80	96	123	183	204	226	204	249	286
注射重量 /Injection Weight (g)	74	86	112	147	185	205	199	220	253
注射压力 /Injection Pressure (Mpa)	281	244	190	207	186	160	209	171	140
螺杆转速 /Screw Speed (rpm)	200			180			185		
<b>合模装置 /CLAMPING UNIT</b>									
合模力 /Clamp Tonnage (KN)	700			1250			1300		
移模行程 /Toggle Stroke (mm)	252			350			350		
拉杆间距 /Space Between Tie Bars (mm)	315*315			390*390			420*380		
最大模厚 /Max.mold Height (mm)	355			410			410		
最小模厚 /Min.mold Height (mm)	140			180			150		
顶出行程 /Ejector Stroke (mm)	65			100			100		
顶出力 /Ejector Tonnage (KN)	20			38			40		
顶出杆根数 /Ejector Quantity (PC)	1			5			5		
<b>其它 /OTHERS</b>									
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16			16			16		
油泵马达功率 /PUMP MOTOR POWER (KW)	7.5			11			11		
电热功率 /HEATER POWER (KW)	4.75			7			9.1		
机器重量约 /MACHINE WEIGHT (T)	1.8			3.7			4		
尺寸 /Dimensions (mm)	3500*1300*1500			4500*1300*1950			4600*1400*1980		
模板正面尺寸 /Platen Dimensions (mm)									
模板侧面尺寸 /Mould Space Dimensions (mm)									

◆注：以上技术参数均为 50HZ 工作状态下的理论参考值；因技术改进参数恕不另行通知；具体以实物为准，HYW 为连体结构

技术参数表 / Specification

	HYW158			HYW178			HYW218			HYW268		
注射装置 /Injection Unit	A	B	C	A	B	C	A	B	C	A	B	C
螺杆直径 /Screw Diameter (mm)	40	42	45	42	45	48	48	50	55	50	55	60
螺杆长径比 /Screw L/D Ratio (L/D)	20	19.1	18	22.5	21	19.7	23.2	21	19	23.1	21.4	19.6
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	239	263	302	305	350	398	413	510	617	569	688	819
注射重量 /Injection Weight (g)	217	239	275	278	318	362	372	464	561	512	626	745
注射压力 /Injection Pressure (Mpa)	189	171	149	203	176	155	191	177	146	225	169	142
螺杆转速 /Screw Speed (rpm)	185			148			190			170		
<b>合模装置 /CLAMPING UNIT</b>												
合模力 /Clamp Tonnage (KN)	1580			1780			2180			2680		
移模行程 /Toggle Stroke (mm)	380			410			470			530		
拉杆间距 /Space Between Tie Bars (mm)	430*430			460*460			530*510			570*570		
最大模厚 /Max.mold Height (mm)	420			500			490			570		
最小模厚 /Min.mold Height (mm)	180			200			190			250		
顶出行程 /Ejector Stroke (mm)	100			117			125			123		
顶出力 /Ejector Tonnage (KN)	55			39			55			62		
顶出杆根数 /Ejector Quantity (PC)	5			5			9			9		
<b>其它 /OTHERS</b>												
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16			16			16			16		
油泵马达功率 /PUMP MOTOR POWER (KW)	15			15			22			22		
电热功率 /HEATER POWER (KW)	9.6			9.3			16.65			16.65		
机器重量约 /MACHINE WEIGHT (T)	5.2			5.6			7			9		
尺寸 /Dimensions (mm)	4700*1500*2000			5000*1500*1900			6300*1800*2200			6500*1900*2200		
模板正面尺寸 /Platen Dimensions (mm)												
模板侧面尺寸 /Mould Space Dimensions (mm)												

◆ All of the above parameters are the theoretical values under the functional mode of 50HZ.we reserve the right to make any technical improvement without prior notice . The details are subject to the latest design.HYW series is the connected structure



技术参数表 / Specification

	HYW300			HYW388			HYW400		
注射装置 /Injection Unit	A	B	C	A	B	C	A	B	C
螺杆直径 /Screw Diameter (mm)	55	60	65	60	65	70	65	70	75
螺杆长径比 /Screw L/D Ratio (L/D)	23.6	21.7	20	22.8	21	19.6	23.7	22	20.5
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	724	862	1011	932.6	1094	1269	1200	1392	1598
注射重量 /Injection Weight (g)	659	784	920	849	995	1154	1093	1268	1455
注射压力 /Injection Pressure (Mpa)	200	168	143	213	182	157	235	203	177
螺杆转速 /Screw Speed (rpm)	170			165			158		
<b>合模装置 /CLAMPING UNIT</b>									
合模力 /Clamp Tonnage (KN)	3000			3880			4000		
移模行程 /Toggle Stroke (mm)	610			620			700		
拉杆间距 /Space Between Tie Bars (mm)	620*620			670*670			730*730		
最大模厚 /Max.mold Height (mm)	630			670			780		
最小模厚 /Min.mold Height (mm)	220			350			280		
顶出行程 /Ejector Stroke (mm)	165			170			180		
顶出力 /Ejector Tonnage (KN)	70			90			126		
顶出杆根数 /Ejector Quantity (PC)	9			13			13		
<b>其它 /OTHERS</b>									
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16			16			16		
油泵马达功率 /PUMP MOTOR POWER (KW)	30			37			37		
电热功率 /HEATER POWER (KW)	18			21.4			23.5		
机器重量约 /MACHINE WEIGHT (T)	8.5			13.5			16		
尺寸 /Dimensions (mm)	6500*1600*2200			7200*2000*2400			7500*1900*2300		
模板正面尺寸 /Platen Dimensions (mm)									
模板侧面尺寸 /Mould Space Dimensions (mm)									

◆注：以上技术参数均为 50HZ 工作状态下的理论参考值；因技术改进参数恕不另行通知；具体以实物为准，HYW 为连体结构

技术参数表 / Specification

	HYW450			HYW520			HYW620			HYW650		
注射装置 /Injection Unit	A	B	C	A	B	C	A	B	C	A	B	C
螺杆直径 /Screw Diameter (mm)	70	75	80	75	80	85	84	90	95	80	90	100
螺杆长径比 /Screw L/D Ratio (L/D)	23.6	22	20.6	22.4	21	19.6	21	19.6	18.6	24.8	22	19.8
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	1500	1723	1960	1942	2210	2495	2492	2861	3188	2161	2736	3377
注射重量 /Injection Weight (g)	1365	1567	1784	1773	2017	2277	2270	2605	2903	1967	2489	3073
注射压力 /Injection Pressure (Mpa)	234	202	176	190	168	148	163	141	128	224	177	143
螺杆转速 /Screw Speed (rpm)	158			112			104			104		
<b>合模装置 /CLAMPING UNIT</b>												
合模力 /Clamp Tonnage (KN)	4500			5200			6200			6500		
移模行程 /Toggle Stroke (mm)	760			780			840			930		
拉杆间距 /Space Between Tie Bars (mm)	760*760			830*830			880*835			910*910		
最大模厚 /Max.mold Height (mm)	800			830			880			950		
最小模厚 /Min.mold Height (mm)	300			330			380			380		
顶出行程 /Ejector Stroke (mm)	200			200			250			260		
顶出力 /Ejector Tonnage (KN)	110			145			166			181		
顶出杆根数 /Ejector Quantity (PC)	13			17			12			17		
<b>其它 /OTHERS</b>												
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16			16			16			16		
油泵马达功率 /PUMP MOTOR POWER (KW)	45			45			30+37			37+37		
电热功率 /HEATER POWER (KW)	29.3			36.3			42			47.5		
机器重量约 /MACHINE WEIGHT (T)	17			20			28			38		
尺寸 /Dimensions (mm)	7700*1900*2100			8300*2000*2300			8700*2100*2300			9300*2400*2300		
模板正面尺寸 /Platen Dimensions (mm)												
模板侧面尺寸 /Mould Space Dimensions (mm)												

◆ All of the above parameters are the theoretical values under the functional mode of 50HZ. we reserve the right to make any technical improvement without prior notice . The details are subject to the latest design. HYW series is the connected structure

技术参数表 / Specification

	HYW720			HYW800			HYW1080		
注射装置 /Injection Unit	A	B	C	A	B	C	A	B	C
螺杆直径 /Screw Diameter (mm)	85	95	105	90	100	110	110	115	120
螺杆长径比 /Screw L/D Ratio (L/D)	24.8	22	19.8	24.4	22	20	21.5	20	19.2
理论注塑容积 /Theoretical Shot Vol Ume (cm <sup>3</sup> )	2800	3000	3500	2900	3581	4334	4604	5032	5480
注射重量 /Injection Weight (g)	2500	2800	3000	2639	3258	3944	4190	4579	4987
注射压力 /Injection Pressure (Mpa)	195	175	143	227	184	148	173	159	146
螺杆转速 /Screw Speed (rpm)	115			110			160		
合模装置 /CLAMPING UNIT									
合模力 /Clamp Tonnage (KN)	7200			8000			10800		
移模行程 /Toggle Stroke (mm)	950			980			1100		
拉杆间距 /Space Between Tie Bars (mm)	950*950			1000*1000			1150*1110		
最大模厚 /Max.mold Height (mm)	960			1050			1150		
最小模厚 /Min.mold Height (mm)	400			450			520		
顶出行程 /Ejector Stroke (mm)	280			260			320		
顶出力 /Ejector Tonnage (KN)	210			175			235		
顶出杆根数 /Ejector Quantity (PC)	17			21			21		
其它 /OTHERS									
最大油泵压力 /MAX.PUMP PRESSURE (Mpa)	16			16			16		
油泵马达功率 /PUMP MOTOR POWER (KW)	37+37			37+45			45+45		
电热功率 /HEATER POWER (KW)	56.7			58.45			68.2		
机器重量约 /MACHINE WEIGHT (T)	39			45			51		
尺寸 /Dimensions (mm)	9500*2500*2300			9900*2500*2400			11800*2600*3800		
模板正面尺寸 /Platen Dimensions (mm)									
模板侧面尺寸 /Mould Space Dimensions (mm)									

◆注：以上技术参数均为 50HZ 工作状态下的理论参考值；因技术改进参数恕不另行通知；具体以实物为准，HYW 为连体结构

技术参数表 / Specification

	HYW1300			HYW1680			HYW2180			HYW2680		
A	B	C	A	B	C	A	B	C	A	B	C	
110	120	130	120	130	140	130	140	150	150	185	210	
26.2	24	22.2	25.2	24	22.3	25.8	24	22.4	22.4	19.7	17.4	
5512	6560	7698	7043	8266	9586	9021	10462	12010	15106	26020	33528	
5016	5969	7006	6408	7520	8723	8525	9887	11349	13746	23678	30510	
204	171	145	183	166	145	190	163	142	210	136	106	
90			85			80			60			
合模装置 /CLAMPING UNIT												
13000			16000			22000			26800			
1260			1560			1650			1720			
1300*1250			1500*1350			1650*1650			1800*1720			
1280			1500			1620			1800			
530			700			800			800			
350			400			420			450			
254			400			490			430			
21			21			21			21			
其它 /OTHERS												
16			16			16.5			16			
55+55			45+45+45			45+45+55			55+55+55			
86.3			92			110.7			171.4			
66			100			148			175			
13500*2750*4500			14500*3500*4230			15500*3750*4500			17000*3900*5100			

◆ All of the above parameters are the theoretical values under the functional mode of 50HZ. we reserve the right to make any technical improvement without prior notice . The details are subject to the latest design. HYW series is the connected structure



## 上料机 / Tye autoloader



JCAL-800L

JCAL-400L

### 上料机用途与特点

全自动计算机控制，操作简单；  
 超载、缺料自动报警；  
 400G 和 800G 采用三相高压、静音风机、结构紧凑、马力强劲；  
 300G 和 700G 采用高速整流马达，体积小，重量轻，吸力强，安装方便；  
 800G 具有逆转自动清除粉尘功能；

### Application & Features

Fully automatic computer control, simple operation.  
 Automatically alarm under overload and material shortage;  
 400G and 800G apply 3-phase high voltage, silent fan, compact structure, high 300G and 700G apply high speed rectifying motor with small size, light weight, sucking force and convenient installation;  
 Stainless steel material barrel, solid and durable.  
 800G with the function of automatically removing dust.

## 破碎机 / Tye autoloader



### 破碎机用途与特点

全机采用高强制制结构，坚固耐用；  
 破碎室采用厚壁板，噪音小；  
 电机装有超载保护盒安全开关，包装安全；  
 结构合理，操作简便；  
 定动刀为可调式刀片，可多次更磨反复使用，并可根据产品的不同调整  
 动定刀间隙，动定刀为剪刀式设计，耗电省，粉碎效果好。

### Application & Features

High-strength steel structure is applied to the machine, which makes it firm and durable.  
 Thick wallboard is applied to the breaker room, which makes the noise small.  
 Overload protection and safety switch are installed for the electrical motor, which ensures security;  
 The structure is reasonable and the operation is convenient.  
 Dismountable adjusted-type blade, which can be milled and used for many times, is applied to the moving knife. The gap between the moving knife and fixed knife can be adjusted in accordance with different products. Scissor design is applied to the moving and fixed knife. It is power saving and the breaking effect is good.

## 干燥机 / Tye autoloader



### 干燥机用途与特点

采用均匀分散热风之高性能扩散装置，保证物料干燥温度均匀，增强干燥效率；  
 料桶内零件一律采用不锈钢制；  
 料桶与底部分离，清料方便，换料迅速，确保原料不受污染  
 采用比例式偏差指示温控器和自冷风机，温度控制精确，使用寿命延长。

### Application & Features

Apply high performance diffusing device for evenly dispersing hot air, keep even drying temperature for increase the drying efficiency;  
 All parts in the material barrel are made of stainless steel.  
 The material barrel is separated with bottom with convenient and fast material removing and replacing, protect raw material from pollution.  
 Apply proportion type difference indicating temperature controller and the cooling air blower.  
 Assure precise temperature control and extend the serving life.

## 水冷式冷风机 / Chiller-water



### 冷水机性能特点

本系列冷却温度为 5~35℃，可根据客户需要定制更低的冷却温度；  
 微电脑控制系统运作，温度精度到 ±1℃；  
 压缩机与水泵均有过载保护装置，有延长其使用寿命；  
 多得保护装置（防冻保护，高低压保护，流量保护），保障系统安全；  
 水箱采用不锈钢制作，并有保温层，冷冻管路均有保温层，提高制冷效率。

### Performance characteristic

The device can cool the water temperature ranging from 5 to 35℃ .  
 The low cooling temperature can be customized and per customer's needs the micro computer controls the system running and the temperature can be precise to 1℃ .  
 The overload protection device is used for compressor and pump to prolong the service life.  
 The multi protection device (antifreeze protection, high and low pressure protection and flow protection) ensures the system safety.  
 The water tank is made from the stainless steel and has a heat insulation layer. Freeze pipelines have the insulation layer to improve freeze efficiency. The shell and tube condenser has a high efficiency of heat exchange.

标准配备 / Standard features

标准配备

双缸平衡式注射系统；  
多级压力、多级速度射胶调整  
背压调节装置  
差动式高速闭模 安装方便；  
低压模保  
多种液压顶出方式  
机械电气液压安全装置  
自动润滑系统  
油压安全比例控制  
全电脑控制  
模具记忆系统

Standard features

Double-cylinder balance injection system  
Multi-stage pressure&speed injection  
Back pressure adjustment device  
High speed clamping  
Low pressure mold protection  
Multiple hydraulic ejector knock-out  
Mechanical, Electrical&hydraulic safety devices  
Auto lubrication system  
Hydraulic pressure full proportional control  
Hjall computer control system  
Molding data memory system

选择装置

双缸平衡式注射系统；  
液压单组抽插芯  
滚压双组抽插芯  
气顶  
液压旋转脱模  
液压安全保护

Ptional features

Ptional features  
Single hydraulic core pulling and insert in  
Double hydraulic core pulling and insert in  
Air blow  
Hydraulic unscrew device  
Hydraulic safety device

选择配件

机械手  
干燥料斗  
自动上料机  
磁力架  
模具压板  
冷水机  
塑料除湿机  
模温控制机  
油温控制机  
旁路滤油器

Ptional accessory

Robotic pincher  
Hopper dryer  
Autoloader  
Hopper magnet  
Mold clamps  
Water cooler  
Plastic dehumidizer  
Mold temperature controller  
Oil temperature controller  
Oil bypass filter

标准配件

机械防震脚垫  
加长喷嘴  
备用零件  
工具箱

Standard accessory

Mechanical leveling pad  
Extended nozzle  
Spare parts kit  
Toolbox

Note 注意:

1. 当您在有成型 PC、PA、PMMA、PET、PVC 等工程塑料制品的计划，请让我们知道。
2. 正常情况下改善技术规格参数，不予另行通知除了上述表格中技术规格参数以外，如需更详细资料，请垂询。
3. 产品照片仅供参考，与出售实物略有不同。

1. When you plan to mold plastic products, using PC, PA, PMMA, PET, PVC, materials, please let us know.
2. Product design and technical specifications are subject to change with prior notice. If you need more specifications, please contact us.
3. The machine pictures are for your visual reference. May have slight with the actual machines.

Remarks 说明:

理论注射容量 = (注塑机) 料筒截面积 x 螺杆行程注射重量为 PS 理论容量的 91%。

Theoretical shot volume = (screw cylinder cross section) x (screw stroke)  
The injection shot weight should be 91% of the theoretical shot volume for polystyrene (ps).

地图 / Map



我公司设立了二十余家代理服务机构，为国内外客商提供业务咨询，技术支持及售后服务，您可以随时拨打当地海涌塑机的服务热线，我们的业务代表和专业技术工程师随时准备为您服务。

Our company has set up more than twenty agencies at home and abroad, they can provide business information, technical support and all sorts of services after sales for you, you can phone and contact any local Hai Yong Plastics Machinery Service Center (DPMS) in your city at any moment, our technicians and professional engineers are ready to service you at any time.