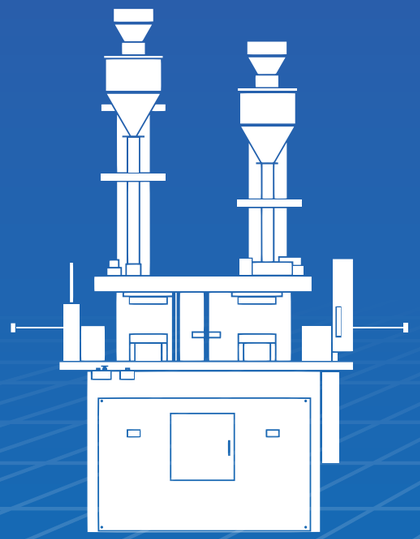
KEBID
PLASTIC MACHINERY

科必达智造 · 创造机械设备行业无限可能

Ningbo Kebida MACHINERY
CREATE INFINITE POSSIBILITY IN INDUSTRY OF PLASTIC
INJECTION MOULDING MACHINS

CREATE INFINITE POSSIBILITY＼创造注塑机行业无限可能



专业注塑自动化解决方案
PROFESIONAL SOLUSTION TO
INJECTION & AUTOMATION>>>

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宁波市科必达机械设备有限公司
Ningbo Kebida Machinery Equipment Co., Ltd.

直立机射出 / 锁模结构简示

Injection/Clamping Configuration of Vertical Injection Molding Machine

射出 / 合模方式 Type of Injection \ 下模负载方式 Type of Mold Calrrler	固定下模 Type of Mold Calrrler	单模滑板 Type of Mold Calrrler	双模滑板 Type of Mold Calrrler	转盘 Type of Mold Calrrler	C 型无机柱 Type of Mold Calrrler
直立合模 Type of Mold Calrrler	YT YC	YT-D YC-P-D	YT-DM YC-DM YC-P-DM	YR YC-R YC-P-R	————
直立射出 Type of Mold Calrrler	YT	YT-D	YT-DM	YR	————
模式射出 Type of Mold Calrrler	YT YC-P	YC-P-D	YC-DM YC-P-DM	YC-R YC-P-R	YC 15-85ton 0.5-8 az

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PLASTIC MACHINERY

宁波市科必达机械设备有限公司是集研发和制造注塑机为一体的企业，拥有 15 年注塑机生产经验，并拥有自主品牌“天胜塑机”和“TSPLAS”。企业始终秉承“求实，创新”的经营理念，开发了三大常规机型 YT(立锁立射)、YC(立锁卧射)、YR (圆盘机)，同时自主研发的两大特殊机型系列多色机、高速机得到了客户的高度认可和一致好评，并成为宜家下属供应商指定的设备合作工厂。我司近年来还不断推进注塑机与智能化设备的配套研发，力求在不久的将来转型成为智能化机械制造企业。

Ningbo Kebida Machinery Equipment Co., Ltd. is the manufacturer that professionally have 15 years of experience to Research & development and manufacture Vertical injection molding machine. We consistently adhere to the business philosophy of factualism and innovation, not only manufacture normal and standard models :” YT(vertical clamping & vertical injection),YC(vertical clamping & horizontal injection),YR(rotary table machine),but also develop multi-color-produced，high-rapid machine，all models gain high recognition and unanimous praise from customers , we are now one of assigned suppliers for IKEA’s factory depending on high quality and good service. In recent years,we consistently have been developing combination of injecting machine and intelligent equipment,striving to become an intelligent manufacturer in future.

INJECTION MOLDING MACHINE SELECTION GUIDE 注塑机选购指南

一、与选型有关的参数 Select a machine

选购注塑机前必须先收集下列信息
The following informations should be collected before purchasing a machine:
> 模具的尺寸 dimension of the mould
> 使用塑料的特性 features of the plastic material
> 注塑产品的尺寸、重量 dimenstion and weight of molding products
> 成型的要求，包括一出几，生产速度、产品质量要求 specific requirments: cavities of one mould, producting speed, requirements on quality of molding products.etc

二、选型步骤和规则 Steps and tips for selecting a machine

在具备以上信息后，可按照下列步骤选择合适的注塑机
After providing above informations,you can select the machine fllowing next steps:

1> 选择型号：根据产品和塑料的特性决定机型，如有不清楚，可咨询我司相关技术人员。
Selecting a machine's model based on plastic material and features of your molding products.If having any question,you can consult our technicians.
2> 放得下：根据模具尺寸判定机器的“柱间距”、“最小模厚”是否合适。
Selecting the“distance between tie-bar”and“Min.mould height”based on dimension of the mould.
3> 拿得出：根据模具尺寸和产品尺寸判定“锁模力”。锁模力的简单估算方法如下：
锁模力（ton）= 型腔正投影面积（cm^2）x 锁模力常数（ton/cm^2）
常见的塑料锁模力常数请见附表一
Selecting “injecting force”based on dimenstion of mould and molding product.
The calculation formula of“injecting force”is : F=Am x ton/cm^2
You can refer to parameter of“ton/cm^2”in attached list 1
4> 射得饱：根据每模产品的重量估算“射出量”并选择合适的“螺杆直径”。射出量的简单估计方法如下：
直接估算法：射出量（g）= 塑料密度（g/cm^3）x 样本提供的理论射出容量（cm^3）x 85%
间接估算法：射出量（g）= 塑料密度（g/cm^3）/1.05 x 样本提供的 PS 射出量
注：1oz=28.35g
常见的塑料密度（比重）请见附表二
Calculating actual injecting volume and selecting “screw diameter” based on all products which are molded by one mould.
The calculation has two methods:
Method 1: PS=Density of plastic material（ g/cm^3）x Theoretical PS (cm^3) x 85%
Method 2: PS=Density of plastic material（ g/cm^3）/ 1.05 x Theoretical PS (cm^3)
You can refer to “Density of plastic material（ g/cm^3）”in attached list 2
Note: 1oz=28.35g
5> 射得好：根据塑料特性判定“长径比”和“射出压力”是否适用。详细咨询我司技术人员。
Judging if screw's draw ratio matches injection force.
You can consult our technicians in detail.
6> 射得快：根据“射出率”判定射出速度。射出率和射出速度的公式：
射出率 (cm^3/s)=0.785 x [螺杆直径（cm）]^2 x 射出速度 (cm/s)
Calculating the injecting speed based on injecting rate.The calculation formula is :
Injecting rate (cm^3/s)=0.785 x [screw diameter（cm）]^2 x injecting speed (cm/s)

三、注意事项 Attention

1、射出量是机器全行程射出的实测重量。选用注塑机时需要根据您所加工的塑料原料的密度（比重）进行换算（采用间接换算法）
Injecting volume should not be theoretical but actual which is measured in the whole stroke.
2. 一般情况下，实际射出量在最大射出量的 35%-85% 之间为佳。比例越小，塑料原料在料管中停留的时间越长，降解的可能性越大。比例越大，塑料原料在料管中停留的时间越短，有可能影响熔体的品质。选择射出量还要综合考虑塑料本身特性。但是特别提醒：不要 100% 契合螺杆尺寸，否则会容易导致螺杆磨损，螺杆一旦磨损，会影响成品的质量。

Generally,selecting actual injecting volume by 35% -85% of maximum injecting volume.The less rate is,the longer plastic material stays in the barrel, so that it has a better degradation ,and vice versa. Meanwhile, it's better to consider of the features of plastic material. But pay a attention that don't selet the injection volume which matches dimension of screw by 100%,otherwise it's easy to be worn,so that finally effecting the quality of molding products.
3. 不要使用加大标准的加料行程来提高射出量。如果加料行程超过螺杆直径 3-5 倍，熔体无法达到高标准的均匀性，同时也会加大空气进入熔体的危险，从而导致产品表面有污点的情况发生。
Do not increase injecting volume through enlarging standard injecting stroke. If filling stroke is larger 3 times than diameter of screw, the uniformity of fusant can not have a high quality, meanwhile it will increase a risk of air entering fusant,causing spots on the surface of products.
4. 不要选择容模量太大的机器，小模具配大模板的组合会增加模板和机柱变形或者断裂，同时不利于精密产品的成型。
Do not select a machine with big mould height, small mould working with big platen would make the platen and column deformed or even cracked, it is not benefit to make precise products.

四、常见塑料的锁模力常数（附表一）

Attached list 1-Parameter of ton/cm^2

塑料名称	常数 (ton/cm^2)	塑料名称	常数 (ton/cm^2)	塑料名称	常数 (ton/cm^2)
PS(GPPS)	0.155-0.31	HIPS	0.155-0.31	ABS	0.388-0.62
PS(GPPS)(薄型)	0.465-0.62	HIPS(薄型)	0.388-0.543	LDPE	0.155-0.31
AS(ASN)	0.388-0.465	PP(H/Co)(均聚 /共聚)	0.233-0.388	HDPE	0.233-0.388
AS(ASN)(长流路)	0.465-0.62	PP(H/Co)(长流路)	0.388-0.543	HDPE(长流路)	0.388-0.543
PPVC	0.233-0.388	PA6,PA66	0.62-0.775	PMMA	0.31-0.62
UPVC	0.31-0.465	PC	0.465-0.775	POM(H/Co)	0.465-0.775
PET(非晶态)	0.31-0.388	PET(晶态)	0.62-0.93	PBT	0.465-0.62
CA	0.155-0.31	PPO-M(不增强)	0.31-0.465	PPO-M(增强)	0.62-0.775
PPS	0.31-0.465				

五、常见塑料的密度（附表二）

Attached list 2-Density of plastic material(g/cm^3)

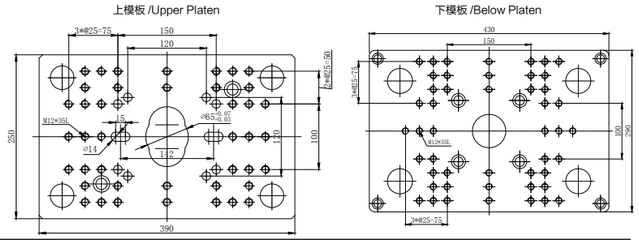
塑料名称	缩写	密度 (g/cm^3)	塑料名称	缩写	密度 (g/cm^3)
通用级聚苯乙烯	GPPS(PS)	1.04-1.09	聚苯硫醚	PPS	1.28-1.32
丙烯腈 / 丁二烯 / 苯乙烯共聚物	ABS	1.01-1.08	高冲聚苯乙烯	HIPS	1.14-1.20
丙烯腈 - 苯乙烯树脂	AS(SAN)	1.06-1.10	低密度聚乙烯	LDPE	0.89-0.93
聚丙烯	PP	0.85-0.92	高密度聚乙烯	HDPE	0.94-0.98
塑化聚氯乙烯（软）	PPVC	1.19-1.35	尼龙 6	PA-6	1.12-1.15
硬聚氯乙烯	UPVC	1.38-1.41	尼龙 66	PA-66	1.13-1.16
有机玻璃	PMMA	1.16-1.20	聚甲醛	POM	1.41-1.43
聚碳酸酯	PC	1.20-1.22	醋酸纤维塑料	CA	1.25-1.35
聚对苯二甲酸乙二醇脂	PET	1.29-1.41	改性聚苯醚	PPO-M	1.04-1.10
聚对苯二甲酸乙二醇脂	PBT	1.30-1.38			

YT- 标准机系列
YT standard series

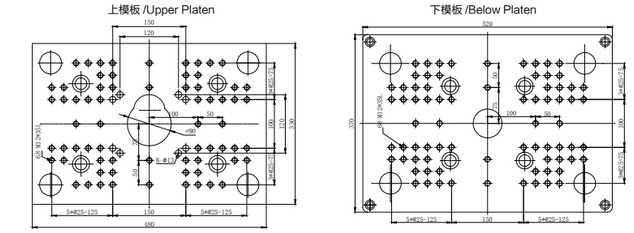
锁模力 Clamping force	15-250ton
射出重量 Injection weight	34-900g
立式锁模、立式注射 Vertical clamping、Vertical injection	
适用有镶嵌件的塑料制品成型和多用途注塑成型工序。 Apply on plastic products with insert part and multi-purposed injeciton.	

YT- 标准机系列
YT standard series

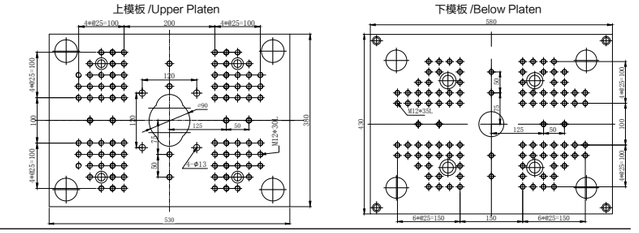
YT-150



YT-300



YT-450A



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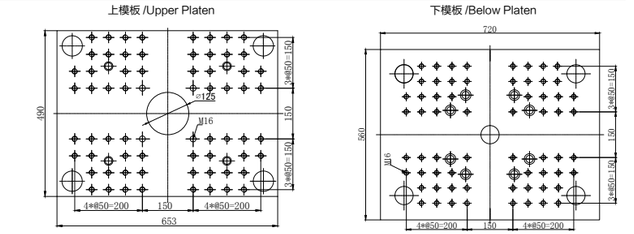
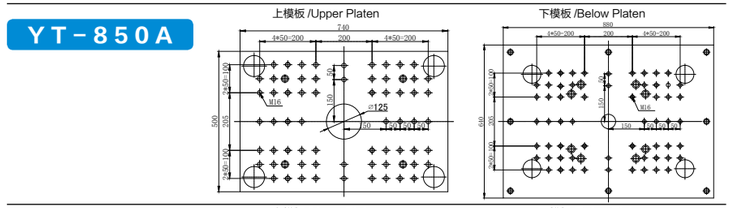


YT- 标准机系列
YT standard series

YT-850A



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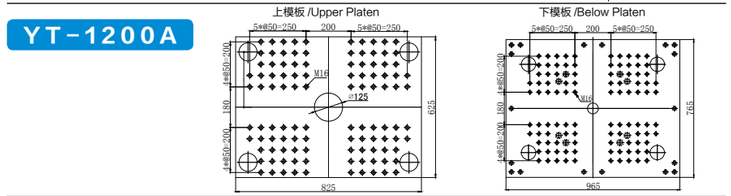

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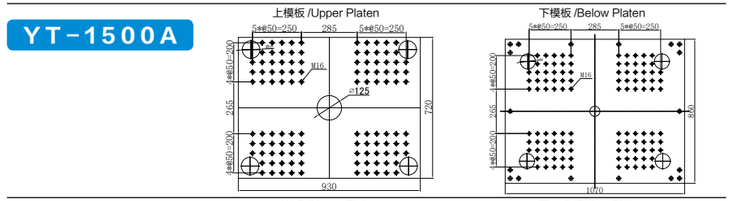

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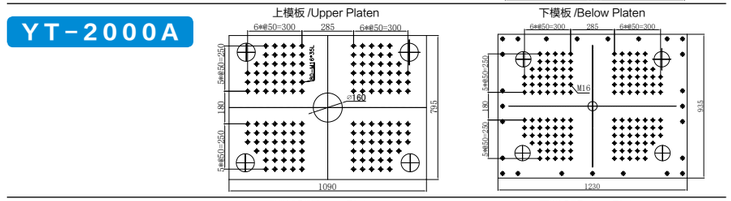

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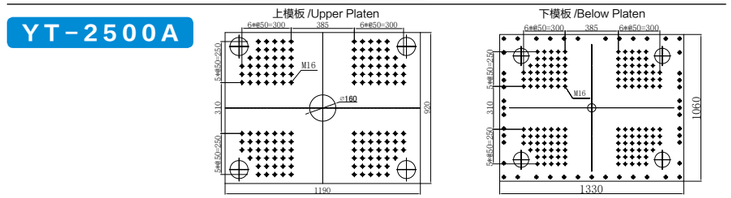

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项目 Item	规格参数	Specification	单位	型号 Model																							
			Unit	YT-150		YT-300			YT-450A			YT-550A			YT-850A			YT-1200A			YT-1500A			YT-2000A			YT-2500A		
射出系统 Injection system	螺杆直径	Screw Diameter	mm	22	25	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50	45	50	55	55	60	65	60	65	70
	射出压力	Injection Pressure	kgf/cm²	1715	1098	1434	1143	875	2170	1661	1312	2180	1722	1395	2176	1763	1393	2296	1810	1470	2063	1671	1381	1943	1633	1390	2012	1714	1478
	理论射出容量	Injection Volume(Theoratical)	cm³	38	49	49.1	61.6	80.1	73	96	122	112	142	176	163	201	254	226	286	353	318	392	475	570	678	796	735	862	1000
	射出量 (PS)	Injection Weight	g	34	44	45	57	73	66	87	109	100	127	158	147	181	229	203	257	317	286	352	427	513	610	716	661	775	900
			oz	1.2	1.6	1.6	2	2.6	2.3	3	3.8	3.5	4.5	5.6	5.2	6.4	8.1	7.1	9.1	11.1	10.1	12.4	15.1	18.1	21.5	25.3	23.3	27.4	31.7
	射出率	Injection Rate	cm³/sec	20	30	75	93	122	41	53	68	51	64	80	86	106	134	115	146	180	145	179	217	235	279	328	215	253	293
	螺杆行程	Screw Stroke	mm	100		100			120			140			160			180			200			240			260		
	温度控制段数	Temperature Section	–	3		3+1			3+1			3+1			3+1			4+1			4+1			5+1			5+1		
	料斗容量	Hopper Capacity	Liter	15		20			30			30			30			30			30			30			30		
	锁模力	Clamping Force	ton	15		30			45			55			85			120			150			200			250		
	模板尺寸	Platen Size	mm	430*290		520*370			580*430			720*560			880*640			965*765			1070*860			1230*935			1330*1060		
	柱内间距	Space between Tie Bars	mm	320*180		360*205			405*255			505*340			565*320			635*410			720*505			810*510			910*640		
	最小模厚	Min. Mould Height	mm	80/140		100/140/160/200			150/190/210/250			200/240/260/300			200/240/260/300			250			300			300			350		
	开模行程	Opening Stroke	mm	180		180			200			200			250			300			300			350			400		
	最大开模距离	Max. Open Daylight	mm	260/320		280/320/340/380			350/390/410/450			400/440/460/500			450/490/510/550			550			600			650			750		
	顶出压力	Ejector Force	ton	1.7		1.7			1.7			2.7			4			4			4			4			4		
	顶出行程	Ejector Stroke	mm	55		55			55			55			75			115			115			135			135		
其它 Others	最大液压压力	Max.hydraulic pressure	kgf/cm²	140		140			140			140			140			140			140			160			160		
	油箱容量	Tank Volume	Liter	80		180			207			227			350			485			485			646			700		
	马达电力	Pump Motor Power	kw	4(4)		5.5（4）			5.5			7.5			15(4)			18.5(4)			18.5(4)			22(4)			30(4)		
	电热容量	Heater Power	kw	2		3.8			4.75			5.55			5.95			7.85			9.05			12.35			18.35		
	总用电量	Total Power	kw	6		9.3			10.25			13.05			20.95			26.35			27.55			34.35			48.35		
	机器重量	Machine Weight	ton	0.75		0.9			1.1			1.5			3.0			6.5			7.2			9.2			10.8		
	机器外形尺寸	Machine Dimension	m	1.8*0.9*2.4		1.65*1.1*2.75			1.7*1.15*3			1.8*1.15*3.35			1.95*1.25*3.5			2.0*1.3*4.0			2.3*1.3*4.6			2.6*1.45*5.0			2.8*1.53*5.5		

YT-D 标准单滑板系列

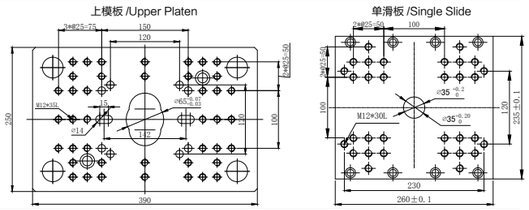
YT-D standard single slide platen series

锁模力 Clamping force	15-250ton
射出重量 Injection weight	34-900g
立式锁模、立式注射 Vertical clamping、Vertical injection	
适用有镶嵌件的塑料制品成型和多用途注塑成型工序 Apply on plastic products with insert part and multi-purposed injeciton	
单滑板设计，有效提升生产的灵活性及安全性，便于实现自动化。 Design of single platen enhances the flexibility and safty of machine and facilitates to realize automation.	

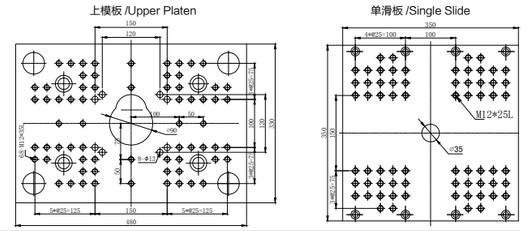
YT-D 标准单滑板系列

YT-D standard single slide platen series

YT-150D



YT-300D



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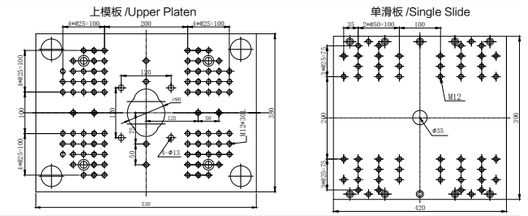

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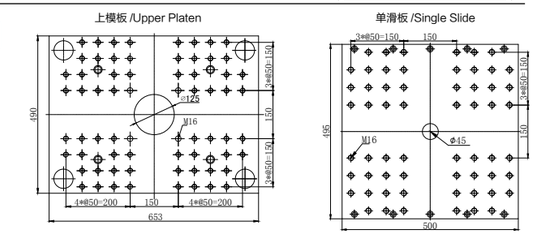
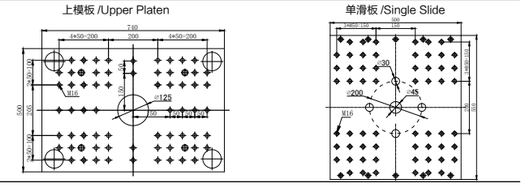


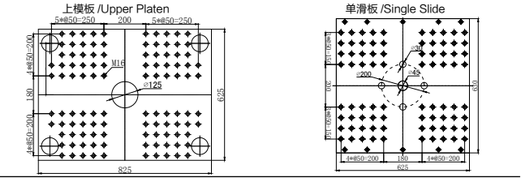
YT-D 标准单滑板系列

YT-D standard single slide platen series

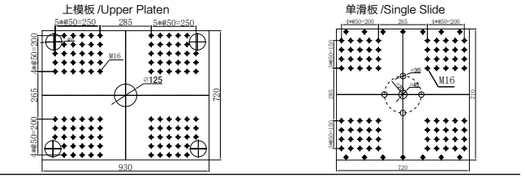
YT-850AD



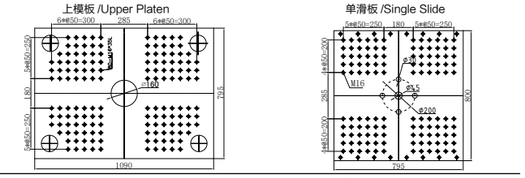
YT-1200AD



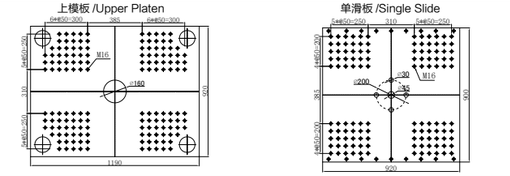
YT-1500AD



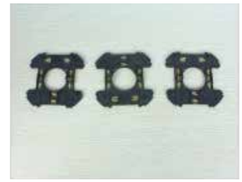
YT-2000AD



YT-2500AD



KEBID PLASTIC MACHINERY



项目 Item	规格参数	Specification	单位	型号 Model																							
			Unit	YT-150D		YT-300D			YT-450AD			YT-550AD			YT-850AD			YT-1200AD			YT-1500AD			YT-2000AD			YT-2500AD		
射出系统 Injection syste	螺杆直径	Screw Diameter	mm	22	25	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50	45	50	55	55	60	65	60	65	70
	射出压力	Injection Pressure	kgf/cm²	1715	1098	1434	1143	875	2170	1661	1312	2180	1722	1395	2176	1763	1393	2296	1810	1470	2063	1671	1381	1943	1633	1390	2012	1714	1478
	理论射出容量	Injection Volume(Theoratical)	cm³	38	49	49.1	61.6	80.1	73	96	122	112	142	176	163	201	254	226	286	353	318	392	475	570	678	796	735	862	1000
	射出量 (PS)	Injection Weight	g	34	44	45	57	73	66	87	109	100	127	158	147	181	229	203	257	317	286	352	427	513	610	716	661	775	900
			oz	1.2	1.6	1.6	2	2.6	2.3	3	3.8	3.5	4.5	5.6	5.2	6.4	8.1	7.1	9.1	11.1	10.1	12.4	15.1	18.1	21.5	25.3	23.3	27.4	31.7
	射出率	Injection Rate	cm³/sec	20	30	75	93	122	41	53	68	51	64	80	86	106	134	115	146	180	145	179	217	235	279	328	215	253	293
	螺杆行程	Screw Stroke	mm	100		100			120			140			160			180			200			240			260		
	温度控制段数	Temperature Section	–	3		3+1			3+1			3+1			3+1			4+1			4+1			5+1			5+1		
	料斗容量	Hopper Capacity	Liter	15		20			30			30			30			30			30			30			30		
合模系统 Clamping syste	锁模力	Clamping Force	ton	15		30			45			55			85			120			150			200			250		
	模板尺寸	Platen Size	mm	430*290		520*370			580*430			720*560			880*640			965*765			1070*860			1230*935			1330*1060		
	柱内间距	Space between Tie Bars	mm	320*180		360*205			405*255			505*340			565*320			635*410			720*505			810*510			910*640		
	最小模厚	Min. Mold Height	mm	80/140		100/140/160/200			150/190/210/250			200/240/260/300			200/240/260/300			250			300			300			350		
	开模行程	Opening Stroke	mm	180		180			200			200			250			300			300			350			400		
	最大开模距离	Max. Open Daylight	mm	260/320		280/320/340/380			350/390/410/450			400/440/460/500			450/490/510/550			550			600			650			750		
	顶出压力	Ejector Force	ton	1.7		1.7			1.7			2.7			4			4			4			4			4		
	顶出行程	Ejector Stroke	mm	55		55			55			55			75			115			115			135			135		
滑模系统 Sliding system	滑模行程	Sliding Stroke	mm	260		350			420			500			500			625			720			800			920		
	滑模精度	Station Clearance	mm	±0.02		±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02		
	单滑板尺寸	Single Sliding platen Size	mm	260*235		350*355			420*395			500*495			500*550			625*630			720*715			800*800			920*900		
其它 Others	最大液压压力	Max.hydraulic pressure	kgf/cm²	140		140			140			140			140			140			140			160			160		
	油箱容量	Tank Volume	Liter	80		180			207			227			350			485			485			646			700		
	马达电力	Pump Motor Power	kw	4(4)		5.5 (4)			5.5			7.5			15(4)			18.5(4)			18.5(4)			22(4)			30(4)		
	电热容量	Heater Power	kw	2		3.8			4.75			5.55			5.95			7.85			9.05			12.35			18.35		
	总用电量	Total Power	kw	6		9.3			10.25			13.05			20.95			26.35			27.55			34.35			48.35		
	机器重量	Machine Weight	ton	0.8		1.3			1.6			2.3			3.2			5.5			7.2			9.2			10.8		
	机器外形尺寸	Machine Dimension	m	1.8*0.9*2.4		1.65*1.1*2.75			1.7*1.15*3			1.8*1.15*3.35			1.95*1.25*3.5			2.0*1.3*4.0			2.3*1.3*4.6			2.6*1.45*5.0			2.8*1.53*5.5		

YT-DM 标准双滑板系列

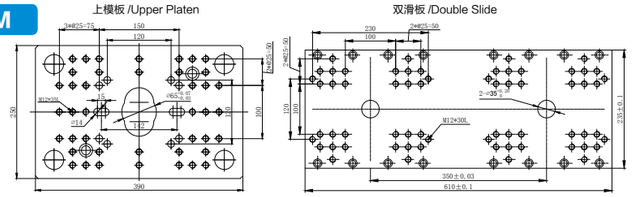
YT-DM standard double slide platen plateseries

锁模力 Clamping force	15-250ton
射出重量 Injection weight	34-900g
立式锁模、立式注射 Vertical clamping、Vertical injection	
适用有镶嵌件的塑料制品成型和多用途注塑成型工序 Apply on plastic products with insert part and multi-purposed injeciton	
双滑板设计，有效提升生产的灵活性及安全性，便于实现自动化。 Desing of double slide platen enhances flexibility and safty and facilitates to realize automation.	

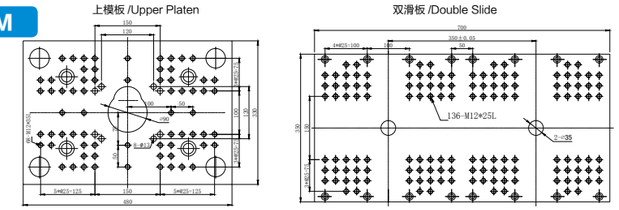
YT-DM 标准双滑板机系列

YT-DM standard double slide platen series

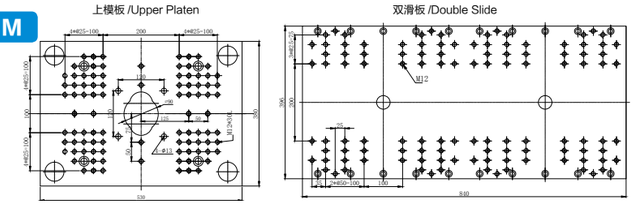
YT-150DM



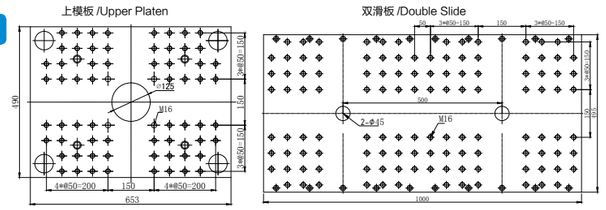
YT-300DM



YT-450ADM



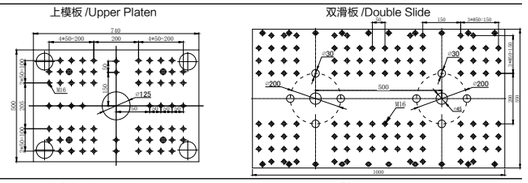
YT-550ADM



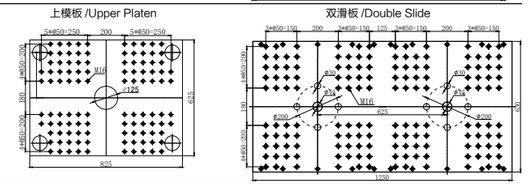
YT-DM 标准双滑板机系列

YT-DM standard double slide platen series

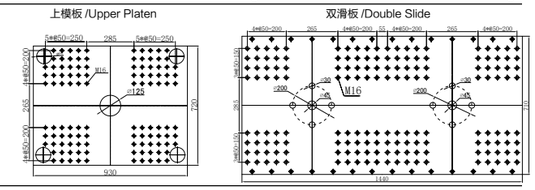
YT-850ADM



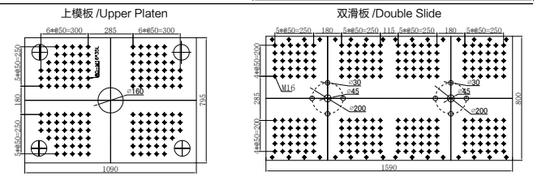
YT-1200ADM



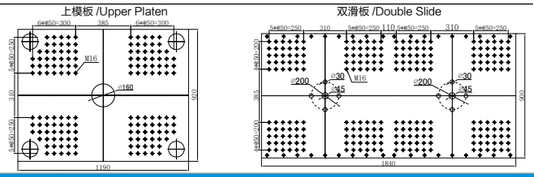
YT-1500ADM



YT-2000ADM



YT-2500ADM



KEBID PLASTIC MACHINERY

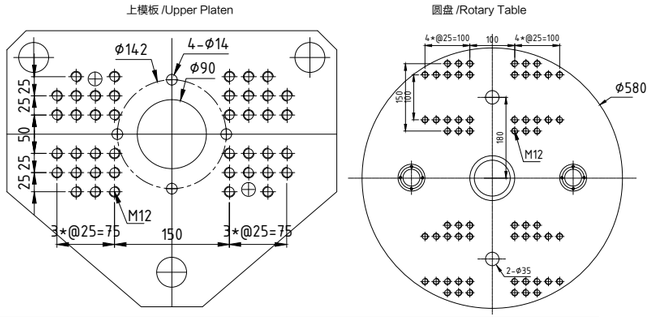
项目 Item	规格参数	Specification	单位	型号 Model																				
			Unit	YT-150DM		YT-300DM			YT-450ADM			YT-550ADM			YT-850ADM			YT-1200ADM			YT-1500ADM			YT-2000ADM			YT-2500ADM		
射出系统 Injection syste	螺杆直径	Screw Diameter	mm	22	25	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50	45	50	55	55	60	65	60	65	70
	射出压力	Injection Pressure	kgf/cm²	1715	1098	1434	1143	875	2170	1661	1312	2180	1722	1395	2176	1763	1393	2296	1810	1470	2063	1671	1381	1943	1633	1390	2012	1714	1478
	理论射出容量	Injection Volume(Theoratical)	cm³	38	49	49.1	61.6	80.1	73	96	122	112	142	176	163	201	254	226	286	353	318	392	475	570	678	796	735	862	1000
	射出量 (PS)	Injection Weight	g	34	44	45	57	73	66	87	109	100	127	158	147	181	229	203	257	317	286	352	427	513	610	716	661	775	900
			oz	1.2	1.6	1.6	2	2.6	2.3	3	3.8	3.5	4.5	5.6	5.2	6.4	8.1	7.1	9.1	11.1	10.1	12.4	15.1	18.1	21.5	25.3	23.3	27.4	31.7
	射出率	Injection Rate	cm³/sec	20	30	75	93	122	41	53	68	51	64	80	86	106	134	115	146	180	145	179	217	235	279	328	215	253	293
	螺杆行程	Screw Stroke	mm	100		100			120			140			160			180			200			240			260		
	温度控制段数	Temperature Section	–	3		3+1			3+1			3+1			3+1			4+1			4+1			5+1			5+1		
	料斗容量	Hopper Capacity	Liter	15		20			30			30			30			30			30			30			30		
合模系统 Clamping syste	锁模力	Clamping Force	ton	15		30			45			55			85			120			150			200			250		
	模板尺寸	Platen Size	mm	430*290		520*370			580*430			720*560			880*640			965*765			1070*860			1230*935			1330*1060		
	柱内间距	Space between Tie Bars	mm	320*180		360*205			405*255			505*340			565*320			635*410			720*505			810*510			910*640		
	最小模厚	Min. Mold Height	mm	80/140		100/140/160/200			150/190/210/250			200/240/260/300			200/240/260/300			250			300			300			350		
	开模行程	Opening Stroke	mm	180		180			200			200			250			300			300			350			400		
	最大开模距离	Max. Open Dayligt	mm	260/320		280/320/340/380			350/390/410/450			400/440/460/500			450/490/510/550			550			600			650			750		
	顶出压力	Ejector Force	ton	1.7		1.7			1.7			2.7			4			4			4			4			4		
	顶出行程	Ejector Stroke	mm	55		55			55			55			75			115			115			135			135		
滑模系统 Sliding system	滑模行程	Sliding Stroke	mm	260		350			420			500			500			625			720			800			920		
	滑模精度	Station Clearance	mm	±0.02		±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02		
	双滑板尺寸	Double Sliding platen Size	mm	610*235		720*350			820*395			1000*495			1000*550			1250*630			1440*710			1590*800			1840*900		
其它 Others	最大液压压力	Max.hydraulic pressure	kgf/cm²	140		140			140			140			140			140			140			160			160		
	油箱容量	Tank Volume	Liter	80		180			207			227			350			485			485			646			700		
	马达电力	Pump Motor Power	kw	4(4)		5.5（4）			5.5			7.5			15(4)			18.5(4)			18.5(4)			22(4)			30(4)		
	电热容量	Heater Power	kw	2		3.8			4.75			5.55			5.95			7.85			9.05			12.35			18.35		
	总用电量	Total Power	kw	6		9.3			10.25			13.05			20.95			26.35			27.55			34.35			48.35		
	机器重量	Machine Weight	ton	0.8		1.3			1.6			2.3			3.2			5.5			7.2			9.2			10.8		
	机器外形尺寸	Machine Dimension	m	1.8*0.9*2.4		1.65*1.1*2.75			1.7*1.15*3			1.8*1.15*3.35			1.95*1.25*3.5			2.0*1.3*4.0			2.3*1.3*4.6			2.6*1.45*5.0			2.8*1.53*5.5		

YR– 圆盘机系列

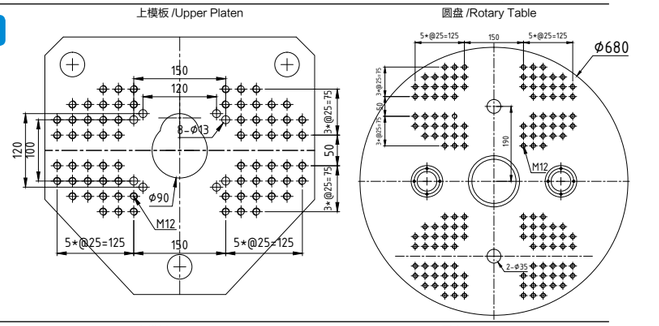
YR rotary platen series

锁模力 Clamping force	15–150ton
射出重量 Injection weight	34–427g
立式锁模、立式注射 Vertical clamping、Vertical injection	
适用有镶嵌件的塑料制品成型和多用途注塑成型工序 Apply on plastic products with insert part and multi-purposed injeciton	
双工位（或三工位）圆盘设计，可提高 30%–50% 的生产效率便于实现自动化。 Design of 2 or 3 positions per rotary table enhances the production efficiency by 30%–50% and facilitates to realize automation.	

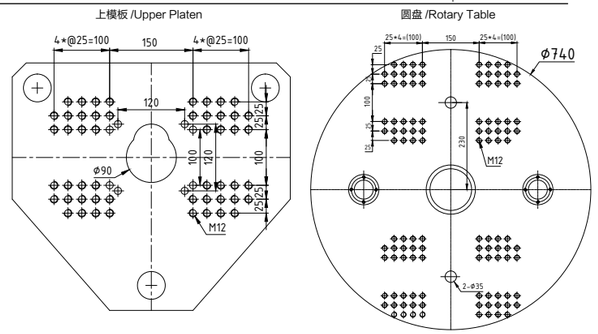
YR-200-2RS



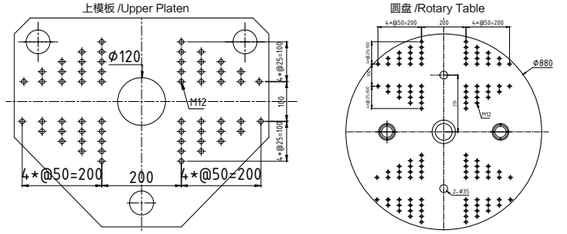
YR-300-2RS



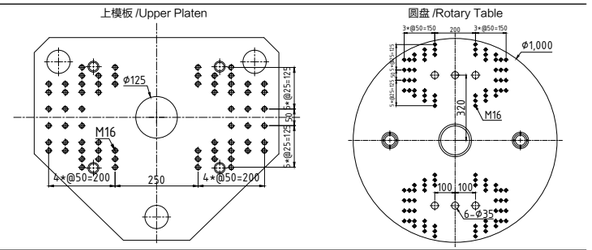
YR-450A-2RS



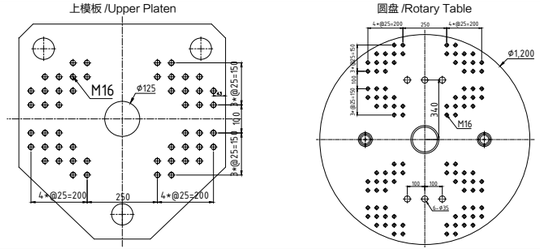
YR-550A-2RS



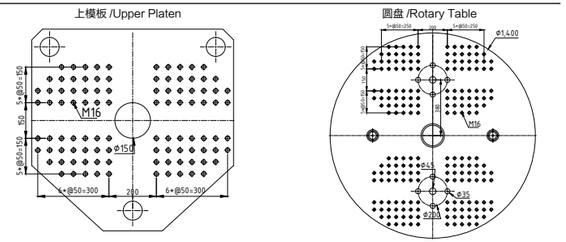
YR-850A-2RS



YR-1200A-2RS



YR-1500A-2RS



项目 Item	规格参数	Specification	单位	型号 Model																	
			Unit	YR-200-2RS		YR-300-2RS			YR-450A-2RS			YR-550A-2RS			YR-850A-2RS			YR-1200A-2RS			YR-1500A-2RS		
射出系统 Injection syste	螺杆直径	Screw Diameter	mm	22	25	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50	45	50	55
	射出压力	Injection Pressure	kgf/cm²	1715	1098	1434	1143	875	2170	1661	1312	2180	1722	1395	2176	1763	1393	2296	1810	1470	2063	1671	1381
	理论射出容量	Injection Volume(Theoratical)	cm³	38	49	49.1	61.6	80.1	73	96	122	112	142	176	163	201	254	226	286	353	318	392	475
	射出量 (PS)	Injection Weight	g	34	44	45	57	73	66	87	109	100	127	158	147	181	229	203	257	317	286	352	427
			oz	1.2	1.6	1.6	2	2.6	2.3	3	3	3.5	4.5	5.6	5.2	6.4	8.1	7.1	9.1	11.1	10.1	12.4	15.1
	射出率	Injection Rate	cm³/sec	20	30	75	93	122	41	53	68	51	64	80	86	106	134	115	146	180	145	179	217
	螺杆行程	Screw Stroke	mm	100		100			120			140			160			180			200		
	温度控制段数	Temperature Section	–	3		3+1			3+1			3+1			3+1			4+1			4+1		
	料斗容量	Hopper Capacity	Liter	15		20			30			30			30			30			30		
合模系统 Clamping syste	锁模力	Clamping Force	ton	15		30			45			55			85			120			150		
	转盘直径	Rotary Table Size	mm	Φ580		Φ680			Φ740			Φ880			Φ1000			Φ1200			Φ1400		
	转盘精度	Station Clearance	mm	±0.02		±0.02			±0.02			±0.02			±0.02			±0.02			±0.02		
	最小模厚	Min. Mold Height	mm	80/140		100/140/160/200			150/190/210/250			200/240/260/300			200/240/260/300			250			300		
	开模行程	Opening Stroke	mm	180		180			200			200			250			300			300		
	最大开模距离	Max. Open Daylight	mm	260/320		280/320/340/380			350/390/410/450			400/440/460/500			450/490/510/550			550			600		
	顶出压力	Ejector Force	ton	1.7		1.7			1.7			2.2			2.2			2.2			3.3		
	顶出行程	Ejector Stroke	mm	55		75			75			115			115			115			145		
其它 Others	最大液压压力	Max.hydraulic pressure	kgf/cm²	140		140			140			140			140			140			140		
	油箱容量	Tank Volume	Liter	120		240			280			300			470			600			650		
	马达电力	Pump Motor Power	kw	5.5(4)		7.5(4)			7.5			15(4)			18.5(4)			18.5(4)			18.5(4)		
	电热容量	Heater Power	kw	2		3.8			4.75			5.55			5.95			7.85			9.05		
	总用电量	Total Power	kw	7.5		11.3			12.25			16.55			20.95			26.35			31.05		
	机器重量	Machine Weight	ton	1.7		2.5			3			3.4			4.2			7			8.7		
	机器外形尺寸	Machine Dimension	m	1.8*0.9*2.4		1.5*1.0*2.4			1.7*1.1*2.6			1.8*1.2*2.7			1.95*1.4*3.2			2.0*1.3*4.0			2.5*1.8*4.3		

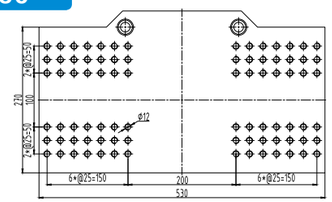
YC 标准机系列
YC standard series

锁模力 Clamping force	45-85ton
射出重量 Injection weight	134-333g
立式锁模、卧式注射 Vertical clamping、Horizontal injection	
YC 角式无机柱设计，超大的容模空间，更容易嵌入长工件。 Design of without-column and large mould height facilitates to insert long parts.	

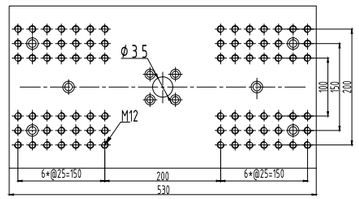
YC- 标准机系列
YC standard series

YC-450

上模板 /Upper Platen

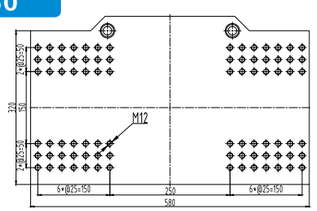


下模板 /Balow Platen

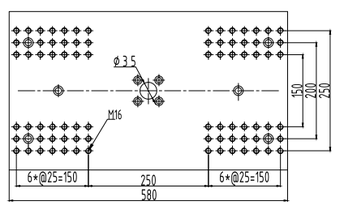


YC-850

上模板 /Upper Platen

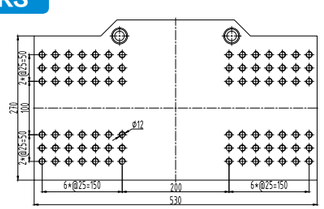


下模板 /Balow Platen

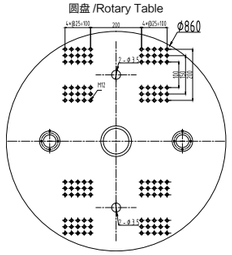


YC-450-2RS

上模板 /Upper Platen



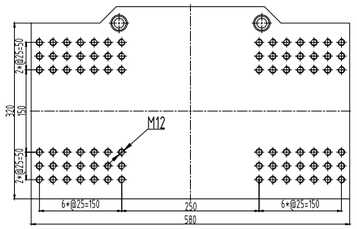
圆盘 /Rotary Table



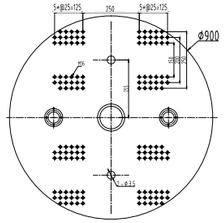
项目 Item	规格参数	Specification	单位	型号 Model																	
			Unit	YC-450			YC-850			YC-450-2RS			YC-850-2RS			YC-450DM			YC-850DM		
射出系统 Injection syste	螺杆直径	Screw Diameter	mm	36	40	45	40	45	50	36	40	45	40	45	50	36	40	45	40	45	50
	射出压力	Injection Pressure	kgf/cm²	1851	1500	1185	2040	1611	1305	1851	1500	1185	2040	1611	1305	1851	1500	1185	2040	1611	1305
	理论射出容量	Injection Volume(Theoratical)	cm³	142	176	222	226	286	353	142	176	222	226	286	353	142	176	222	226	286	353
	射出量 (PS)	Injection Weight	g	134	166	210	213	270	333	134	166	210	213	270	333	134	166	210	213	270	333
			oz	4.7	5.8	7.4	7.5	9.5	11.7	4.7	5.8	7.4	7.5	9.5	11.7	4.7	5.8	7.4	7.5	9.5	11.7
	射出率	Injection Rate	cm³/sec	64	80	101	81.5	103	127.3	64	80	101	81.5	103	127.3	64	80	101	81.5	103	127.3
	螺杆行程	Screw Stroke	mm	140			180			140			180			140			180		
	温度控制段数	Temperature Section	–	3+1			4+1			3+1			4+1			3+1			4+1		
	料斗容量	Hopper Capacity	Liter	25			25			25			25			25			25		
合模系统 Clamping syste	锁模力	Clamping Force	ton	45			85			45			85			45			85		
	上模板	Upper Platen Size	mm	530*270			560*330			480*270			560*330			480*270			560*330		
	模板尺寸	Bottom Platen Size	mm	530*270			560*330			–			–			–			–		
	最小模厚	Min. Mold Height	mm	175			210			175			210			175			210		
	开模行程	Opening Stroke	mm	200			250			200			250			200			250		
	最大开模距离	Max. Open Daylight	mm	375			460			375			460			375			460		
	顶出压力	Ejector Force	ton	1.3			2.2			1.3			2.2			1.3			2.2		
	顶出行程	Ejector Stroke	mm	75			115			75			115			75			115		
滑模系统 Sliding system	滑模行程	Sliding Stroke	mm	–			–			–			–			480			560		
	滑模精度	Station Clearance	mm	–			–			±0.02			±0.02			±0.02			±0.02		
	双滑板、圆盘尺寸	Double slide platen size/Rotary table size	mm	–			–			Φ740			Φ880			270*960			330*1120		
其它 Others	最大液压压力	Max.hydraulic pressure	kgf/cm²	160			160			140			140			160			160		
	油箱容量	Tank volume	Liter	175			395			175			395			175			395		
	马达电力	Pump Motor Power	kw	7.5			11			11			15			7.5			11		
	电热容量	Heater Power	kw	4.75			7.45			4.75			7.45			4.75			7.45		
	总用电量	Total Power	kw	12.25			18.45			15.75			22.45			12.25			18.45		
	机器重量	Machine Weight	ton	3.5			5.8			4.1			6.4			3.8			6.2		
	机器外形尺寸	Machine Dimension	m	2.2*0.9*2.1			3.2*1.1*2.5			2.6*0.9*2.1			3.7*1.1*2.5			2.2*1.0*2.1			3.2*1.2*2.5		

YC-850-2RS

上模板 /Upper Platen

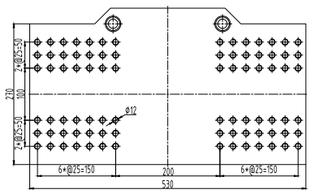


圆盘 /Rotary Table

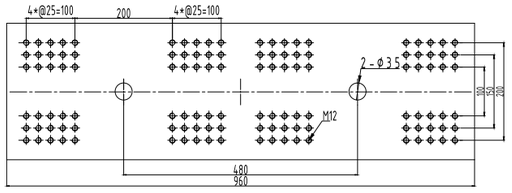


YC-450DM

上模板 /Upper Platen

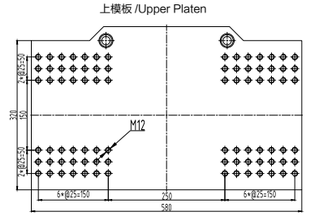


双滑板 /Double Slide

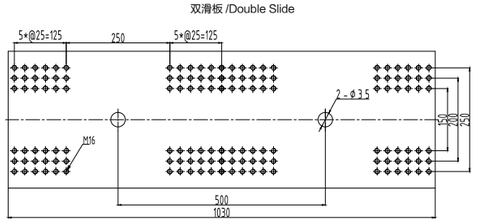


YC-850DM

上模板 /Upper Platen



双滑板 /Double Slide

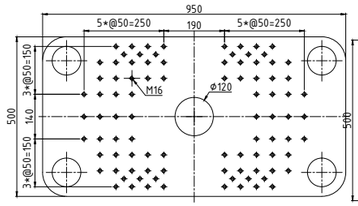


YC-P 系列
YC-P series

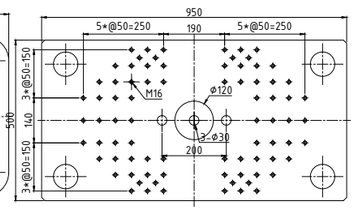
锁模力 Clamping force	85-165ton
射出重量 Injection weight	128-470g
立式锁模、卧式射出 Vertical clamping、Horizontal injection	
注射系统可升降，提高模具通用型。 Up-down injection system enhances universality of mould.	

YC-850-P

上模板 /Upper Plate

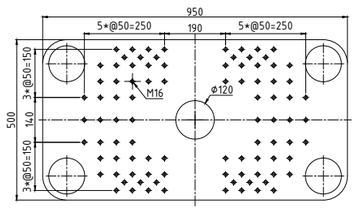


下模板 /Balow Plate

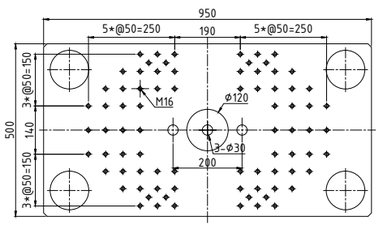


YC-1200-P

上模板 /Upper Plate

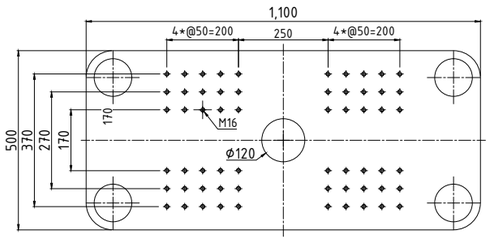


下模板 /Balow Plate

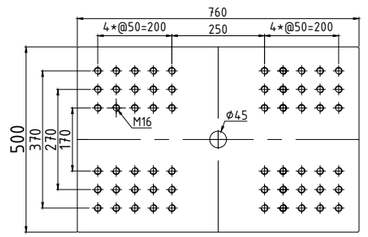


YC-1650D-P

上模板 /Upper Plate

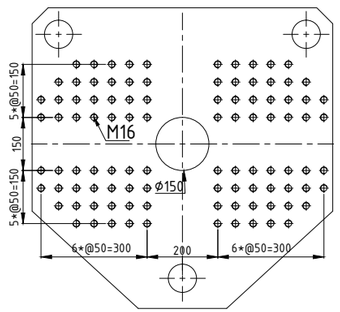


单模板 /Single Scide

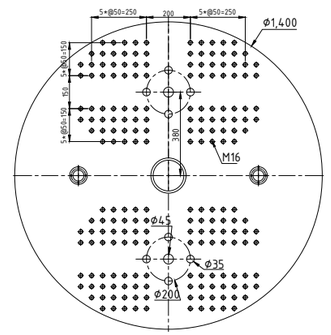


YC-1650R-P

上模板 /Upper Plate



圆盘 /Retlary Table



项目 Item	规格参数	Specification	单位	型号 Model																								
			Unit	YC-850-P			YC-850D(DM)-P			YC-850R-P			YC-1200-P			YC-1200D(DM)-P			YC-1200R-P			YC-1500-P			YC-1500D(DM)-P			YC-1500R-P		
射出系统 Injection syste	螺杆直径	Screw Diameter	mm	36	40	45	36	40	45	36	40	45	40	45	50	40	45	50	40	45	50	45	50	55	45	50	55	45	50	55
	射出压力	Injection Pressure	kgf/cm^2	1960	1588	1254	1960	1588	1254	1960	1588	1254	1973	1559	1262	1973	1559	1262	1973	1559	1262	2129	1724	1425	2129	1724	1425	2129	1724	1425
	理论射出容量	Injection Volume(Theoratical)	cm^3	142	176	222	142	176	222	142	176	222	226	286	353	226	286	353	226	286	353	349	432	522	349	432	522	349	432	522
	射出量 (PS)	Injection Weight	g	128	158	200	128	158	200	128	158	200	203	257	318	203	257	318	203	257	318	314	388	470	314	388	470	314	388	470
			oz	4.1	5.1	6.4	4.1	5.1	6.4	4.1	5.1	6.4	6.5	8.3	10.2	6.5	8.3	10.2	6.5	8.3	10.2	10.1	12.5	15.1	10.1	12.5	15.1	10.1	12.5	15.1
	射出率	Injection Rate	cm^3/sec	86	106	134	86	106	134	86	106	134	115	146	180	115	146	180	115	146	180	145	179	217	145	179	217	145	179	217
	螺杆行程	Screw Stroke	mm	140			140			140			180			180			180			220			220			220		
	温度控制段数	Temperature Section	–	4+1			4+1			4+1			4+1			4+1			4+1			4+1			4+1			4+1		
	料斗容量	Hopper Capacity	Liter	30			25			25			25			25			25			25			25			25		
合模系统 Clamping syste	锁模力	Clamping Force	ton	85			85			85			120			120			120			165			165			165		
	柱内间距	Space between Tie Bars	mm	565*320			565*320			–			635*410			635*410			–			720*505			720*505			–		
	最小模厚	Min. Mould Height	mm	250			250			250			250			250			250			250			250			250		
	开模行程	Opening Stroke	mm	300			300			300			350			350			350			350			350			350		
	最大开模距离	Max. Open Daylight	mm	550			550			550			600			600			600			600			600			600		
	顶出压力	Ejector Force	ton	2.2			2.2			2.2			2.2			2.2			2.2			3.3			3.3			3.3		
	顶出行程	Ejector Stroke	mm	75			115			115			75			115			115			75			145			145		
	圆盘直径	Rotary Table Diameter	mm	–			–			Φ1000			–			–			Φ1200			–			–			Φ1400		
滑模系统 Sliding system	滑模行程	Sliding Strok	mm	–			500			–			–			625			–			–			710			–		
	滑模精度	Single Sliding platen Size	mm	±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02			±0.02		
	单滑板	Single Slide platen Size	mm	–			560*500			–			–			630*625			–			–			715*710			–		
其它 Others	双滑板	Double Slide platen Size	mm	–			560*1000			–			–			630*1250			–			–			715*1420			–		
	最大液压压力	Max.hydraulic pressure	kgf/cm^2	140			140			140			140			140			140			140			140			140		
	油箱容量	Tank volume	Liter	350			350			350			485			485			600			485			485			650		
	马达电力	Pump Motor Power	kw	15(4)			15(4)			18.5			18.5(4)			18.5(4)			22			18.5			18.5			22		
	电热容量	Heater Power	kw	5.95			5.95			5.95			7.85			7.85			7.85			9.05			9.05			9.05		
	总用电量	Total Power	kw	16.95/20.95			16.95/20.95			20.95			22.85/29.85			22.85/29.85			26.35			27.55			27.55			31.05		
	机器重量	Machine Weight	ton	3.5			3.8			4.2			6.5			6.5			6.5			7.2			7.2			7.2		
	机器外形尺寸	Machine Dimension	m	3.1*1.25*2.9			3.1*1.25*3.0			3.4*1.25*3.0			3.7*1.3*3.0			3.7*1.5*3.1			4.0*1.5*3.1			4.5*1.3*3.2			4.5*2.0*3.3			4.8*2.0*3.3		

KEBID PLASTIC MACHINERY

热固性系列
Thermosetting series

锁模力 Clamping force	45–120ton
射出重量 Injection weight	114–847g
立式锁模、卧式注射，或立式锁模、卧式锁模 Vertical clamping & vertical injection or vertical clamping & horizontal injection	
针对 BMC 材料，优化设计加热系统和油路。 For BMC material,we optimize the healing system and oil-ciruit system.	

结构原理图 /Principle structure chart

大幅节能
在同等条件下，相比传统定量泵注塑机节能 20%–80%

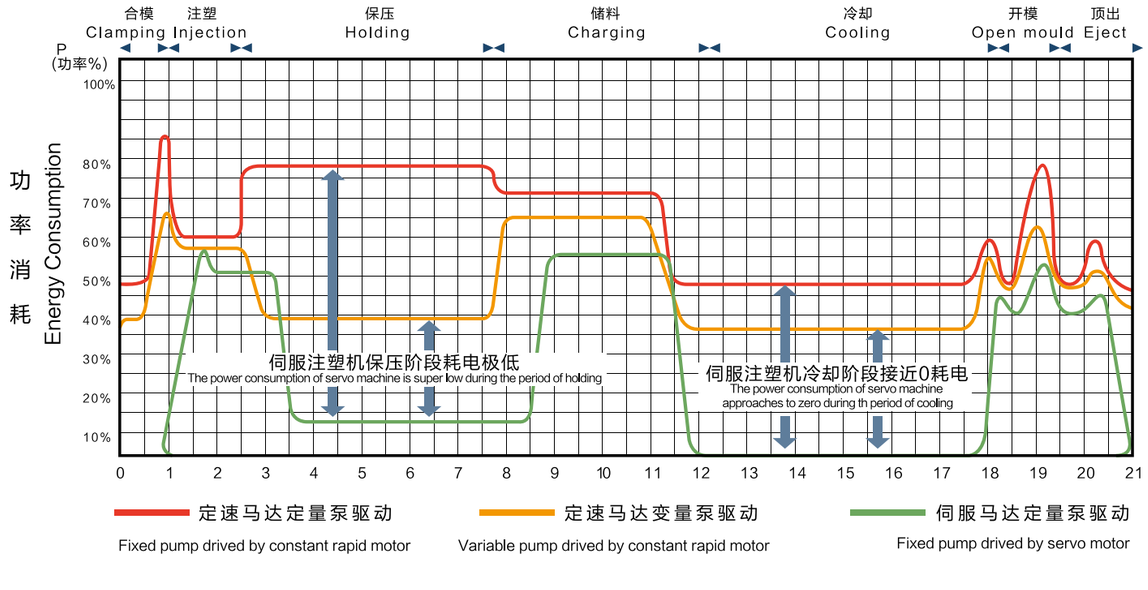
Energy conservation
This series can save 20%–80% enery comparing with traditional pumped machine

响应速度快
伺服驱动响应迅速，启动时间比传统注塑提高约 50%

Quick response
Servo-drive has quick response so that save starting time by 50%

油温恒定
伺服电机按比例输出液压油，从而避免产生多余热量、减少冷却用水量。

Constant oil temperature
Servo motor put hydraulic oil proportionally so that avoid to produce excess heat and reduce water consumption on cooling.



项目 Item	规格参数	Specification	单位	型号 Model								
			Unit	YT–450AB	YT–550AB	YT–850AB	YT–450ABMC	YT–550ABMC	YT–850ABMC	YC–550BMC–P	YC–850BMC–P	YC–1200BMC–P
注射装置 Injection system	螺杆直径	Screw Diameter	mm	35	42	48	35	42	48	32/50	36/60	40/70
	射出压力	Injection Pressure	kgf/cm²	1388	1265	1224	1388	1265	1224	1270	1291	1257
	理论射出容量	Injection Volume(Theoratical)	cm³	115	193	289	115	193	289	275	452	770
	射出量 (PS)	Injection Weight	g	114	192	286	114	192	286	302	498	847
	射出率	Injection Rate	cm³/sec	93	148	210	93	148	210	51	86	115
	螺杆行程	Screw Stroke	mm	120	140	160	120	140	160	140	160	200
	温度控制段数	Temperature Section	–	4	4	4	4	4	4	4	4	4
	料斗容量	Hopper Capacity	Liter	30	30	30	–	–	–	–	–	–
	储料缸		kg	–	–	–	12	15	20	30	30	30
锁模装置 Clamping system	锁模力	Clamping Force	ton	45	55	85	45	55	85	55	85	120
	模板尺寸		mm	580*430	720*560	880*640	580*430	720*560	880*640	720*560	880*640	965*765
	柱内间距		mm	405*255	505*340	565*320	405*255	505*340	565*320	505*340	565*320	635*410
	最小模厚	Min. Mold Height	mm	150/190/210/250	200/240/260/300	200/240/260/300	150/190/210/250	200/240/260/300	200/240/260/300	200/240/260/300	250	250
	开模行程	Opening Stroke	mm	200	200	250	200	200	250	200	300	300
	最大开模距离	Max. Open Daylight	mm	350/390/410/450	400/440/460/500	450/490/510/550	350/390/410/450	400/440/460/500	450/490/510/550	400/440/460/500	550	550
	顶出压力	Ejector Force	ton	1.7	2.7	4	1.7	2.7	4	2.7	4	4
	顶出行程	Ejector Stroke	mm	40	40	75	40	40	75	40	75	115
其他 Others	最大液压压力	Max.hydraulic pressure	kgf/cm²	140	140	140	140	140	140	140	140	140
	油箱容积	Tank Volume	Liter	207	227	350	207	227	350	227	370	450
	马达电力	Pump Motor Power	kw	7.5(4)	11(4)	15(4)	7.5 ((4)	11(4)	15(4)			
	电热容量	Heater Power	kw	–	–	–	–	–	–			
	总用电量	Total Power	kw	7.5(4)	11(4)	15(4)	11(4)	15(4)	18.5(4)	15(4)	30(4)	30(4)
	机器重量	Machine Weight	ton	2.1	2.8	3.8	1.5	2.1	3			
	机器外形尺寸	Machine Dimension	m	1.7*0.9*2.5	1.8*1.1*2.6	1.95*1.25*3.1	1.9*0.9*2.5	2.3*1.1*2.6	2.7*1.25*3.1	3.1*1.25*2.5	3.1*1.25*3.0	3.7*1.3*3.0