



星源  
星源塑机



欧洲质量安全认证

# XING YUAN MACHINE



### 宁波市明广伟业机械制造有限公司

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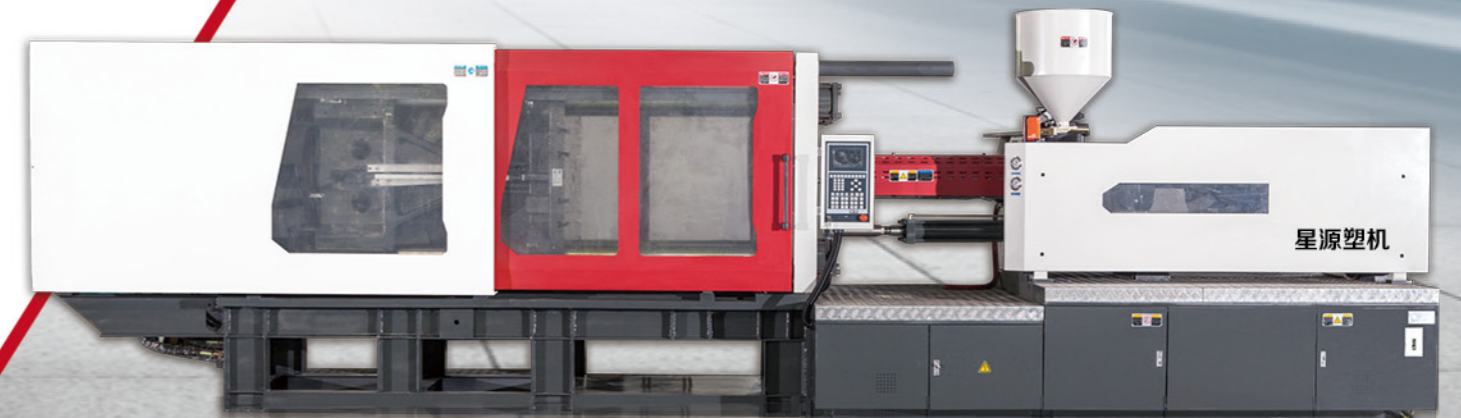
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## C 公司简介

COMPANY PROFILE

宁波市明广伟业机械制造有限公司创建于1998年，位于中国浙江省宁波市，北连杭州湾跨海大桥，东临宁波港，交通十分便利。公司占地面积三万多平方米；拥有大、中、小型设备100多台；现有员工150多名。企业通过了ISO9001-2008和出口CE认证。

公司专业制造星源牌注塑成型机（50-1500吨）。产品销售遍布全国，远销世界各地。

我们一直以客户需求，优质高效，不断创新为目标。优质的售后服务是我们对用户的承诺。真诚希望与广大海内外客户建立良好的合作关系并共同发展。

公司宗旨：“铭求质量，竭诚服务”。

Ningbo Mingguang Weiye Machinery Co., Ltd. was established in 1998, located in Ningbo, Zhejiang province, China; it connects to Hangzhou Bay bridge in the north and closes to Ningbo Port in the east with very convenient transportation. Its workshop covers 30,000 square meters, has the kinds of processing lathe over 100 sets and has employees over 150. It has acquired authentication of ISO 9001-2008 and CE certification.

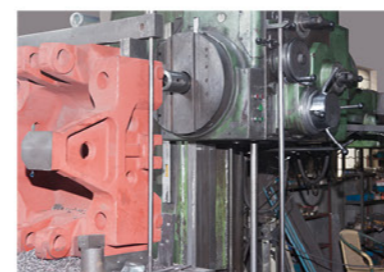
The company professional manufactures "XINGYUAN" brand Injection Moulding Machine from 50 -1500 Tons. The machine sales throughout the domestic market and has exported to all over the world. We always take "users requirements, good quality, high efficiency and lasting innovation" as our working target. Good after-sales service is our promise to users. We sincerely hope that have a good cooperation and to developing together with our customers.

Company Motto: "High quality and Good service".

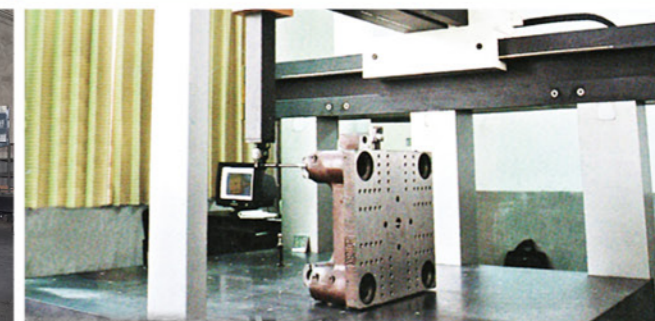


## P 生产一角

PRODUCTION CORNER



高效精密机械制造商



高效节能  
运行稳定



品质彰显价值  
服务彰显真诚



## XY 系列热固性注塑机

XY SERIES SPECIAL INJECTION MOLDING 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,适合与加工各种热固性塑料。

These series 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.



## 产品配置

MAIN PARTS

**合模部分**  
Clamping part

斜排列五支点肘式机构, 计算机参数优化设计, 模板经过有限元分析设计, 采用箱式支架模板连体结构, 采用机械可调节式活动模板支承, 确保合模部件的刚性及使用寿命。

Slant arrangement of five-pivot toggle typed mechanism, computer parameter optimized design. Based on the finite element analytic design The mold plate adopts box typed, and integrated structure of support frame and mold plate. Machine of some types are clip plate integrated and adopt mechanically adjustable and moveable plate support to ensure the rigidity and service life of the mould-clamping unit.

**液压部分**  
Hydraulic part

采用进口名牌液压元件, 差动高速合模装置, 注射多级控制, 系统采用压力流量比例控制, 预留标准抽芯装置, 大型机配备逻辑插装阀系统, 确保机器动作达到最佳状态。

With adoption of imported famous brand hydraulic components differential high-speed mold clamping device, multilevel injection control and the system has employed pressure-flow ratio control with reservation of standard core puller. Large machines are fitted with logic cartridge valve system, which has secured the optimized status of machine actions.

**注射部分**  
Injection part

双导柱支承、双缸平衡注射, 无级高扭矩液压马达直接驱动螺杆熔胶装置, 力封闭型座进装置, 优质氮合金钢螺杆及料筒, 表面双金属处理延长寿命、可供 A、B、C 三种直径螺杆, 配合多种专用注射装置, 确保各种所料的注射成型。

Double guide post support, twin-cylinder balanced injection, continuous high torsion hydraulic motor directly drives the screw plastic melting device, forcefully closed type base advance device, high quality nitroalloy steel screw and barrel. Bi-metal surface treatment makes extra long service life possible. Screws of three different diameters A, B and C are available. When combining various special-purposed injection devices it can ensure the forming of all kinds of plastic.

**电器部件**  
Electric unit

采用进口塑机专用电脑, CPU 分工控制处理, 多组模具成型资料储存功能, 多点 PID 料温控制、注射、预塑、开合模动作采用高精度电子尺控制, 提高控制系统响应速度及稳定性。

With adoption of imported computer special for injection molding machines, CPU controlled divided process, multigroup mould forming data storage function, multi-point PID material temperature control, injection, pre-molding and mold clamping and unclamping actions are controlled by high-precision electronic ruler to improve the response speed and stability of the control system.

## XY 系列伺服节能注塑机

XY SERIES SERVO POWER-SAVE INJECTION MOLDING MACHINES

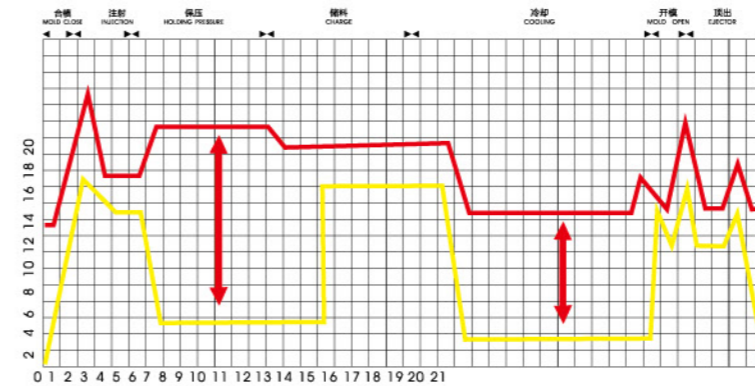
伺服节能注塑机, 输出功率随负载变化而变化, 不存在多余能量的浪费。冷却伺服电机不工作, 耗电为 0。伺服节能注塑机相比传统注塑机可省点 20%~80%, 给您带来真正的省点享受, 经济效益显著。

Servo energy-saving injection moulding machines:

There is no extra energy consumption due to output volume changes according to load. In the phase of holding pressure, servo motor lowers rotate and consumes a little of energies, motor doesn't work and consumes no energy. Servo energy-saving injection moulding machines will save 20%-80% energy and bring you prominent economic.

## 伺服节能机曲线

CURVE EVERY-SAVING MACHINES



## 高性能的伺服电动力控制系统

HIGH-CAPABILITY SERVO MOTOR DYNAMICAL CONTROL SYSTEM PRECISE

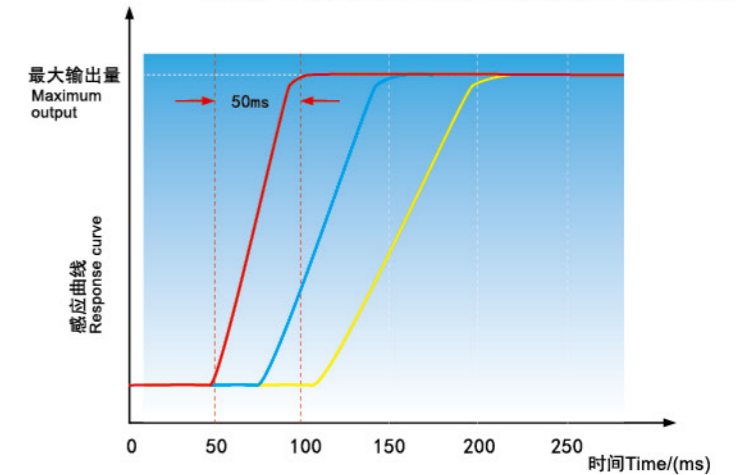


## 伺服电机的高响应特性

HIGH RESPONSE CHARACTERISTIC OF SERVO MOTOR

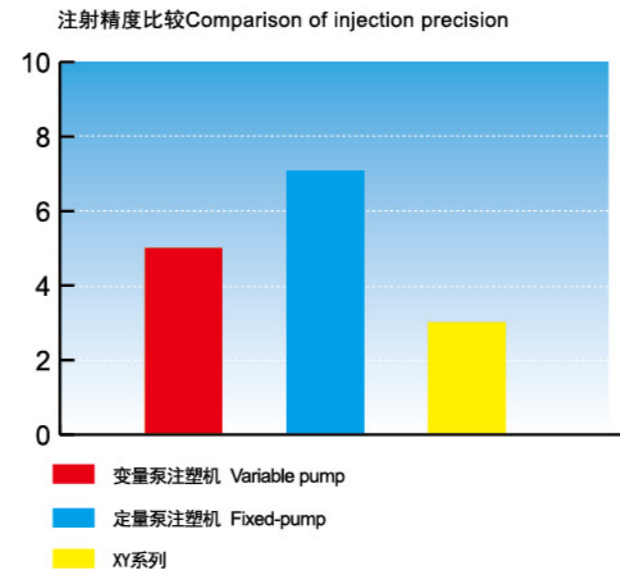
由于采用高响应伺服电机与内啮合齿轮泵动力系统, 注塑机达到最大输出量仅需 0.05s, 相比传统注塑机响应速度明显加快, 有效缩短周期, 提高生产效率。

Due to the high response servo motor and internal gear pump power system, injection molding machine to achieve maximum output only 0.05 s, compared with the traditional injection molding machine response speed faster speed, shorten the cycle, improve production efficiency.



## 注射重复精度比较

INJECTION OF REPEAT PRECISION



伺服电机的精密特性与内啮合齿轮泵的精密特性叠加, 并通过高灵敏度的压力反馈装置形成闭环, 注塑重复精度可达 3%, 相比传统液压机表现出更强的注射稳定性, 成型产品的合格率大幅度提高。

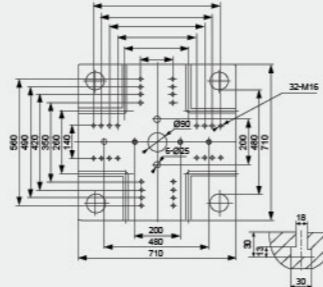
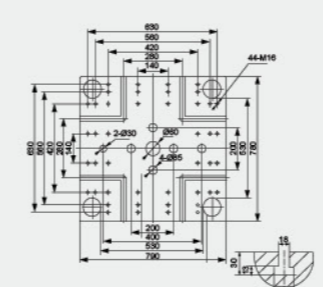
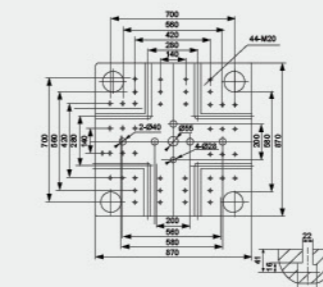
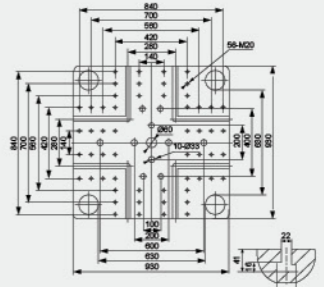
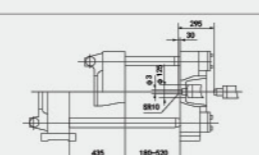
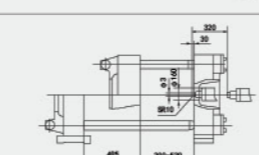
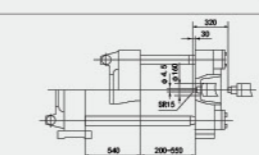
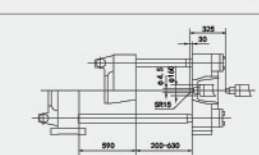
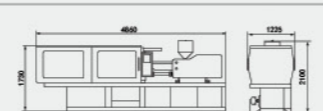
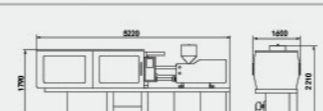
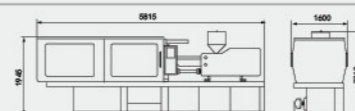
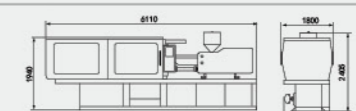
Precision characteristic of servo motor and precision features of internal gear pump, and through the high sensitivity of pressure form a closed loop feedback device, injection repeat precision up to 3%, compared with the traditional hydraulic press showed stronger stability, injection molding product qualified rate increased significantly.

# XY-I 系列技术参数 | SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY780		XY1000				XY1200				XY1500		
			A	B	A	B	C	D	A	B	C	D	A	B	C
注射装置	INJECTION UNIT														
螺杆直径	SCREW DIAMETER	mm	32	36	30	32	35	38	32	35	38	42	38	42	45
螺杆长径比	SCREW L/D RATIO	L/D	20	19	23.5	22	20.1	18.5	24.1	22	20.2	18.4	24.3	22	20.5
理论注射容积	SHOT VOLUME(THEORETICAL)	cm <sup>3</sup>	98	113	117	133	158	187	137	163	192	235	193	235	270
注射重量	INJECTION WEIGHT	g	90	105	106	121	144	170	125	148	175	213	176	213	246
注射速率	INJECTION RATE	g/s	84	86	71	81	97	115	74	89	105	128.1	94	115	135
注射压力	INJECTION PRESSURE	Mpa	188	148.5	230	203	170	144	260	219	186	152	205	170	147
螺杆转速	SCREW SPEED	rpm	255		240				255				210		
合模装置	CLAMPING UNIT														
合模力	CLAMPING FORCE	KN	780		1000				1200				1500		
移模行程	OPEN STROKE	mm	270		320				350				380		
拉杆内间距	SPACE BETWEEN TIE-BARS	mm	310×310		360×360				410×410				460×460		
最大模厚	MAX.MOULD HEIGHT	mm	350		350				380				450		
最小模厚	MIN.MOULD HEIGHT	mm	150		150				150				160		
顶出行程	EJECTOR STROKE	mm	80		90				100				120		
顶出力	EJECTOR FORCE	KN	27		30				38				50		
其他	OTHERS														
最大油泵压力	MAX.PUMP PRESSURE	Mpa	16		16				16				16		
油泵马达功率	PUMP MOTOR POWER	KW	7.5		11				13				13		
电热功率	HEATING POWER	KW	5.2		7.55				8.2				9.2		
外形尺寸 (长x宽x高)	MACHINE DIMENSIONS(LxWxH)	m	3.7×1.1×1.65		3.81×1.19×1.79				4.15×1.12×2.00				4.51×1.16×1.87		
邮箱容积	OILTANK CUBAGE	L	135		180				200				265		
机器重量(约)	MACHINE WEIGHT(APPROXIMATE)	t	2.5		2.9				3.5				4.0		
模板正面尺寸 PLATEN DIMENSIONS															
模板侧面尺寸 Mold Space Dimension															
外型尺寸 Machine Dimension															

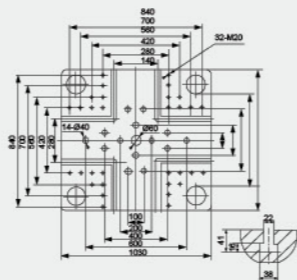
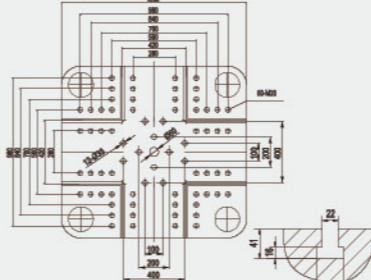
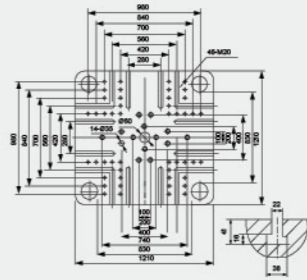
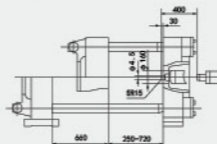
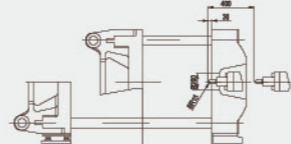
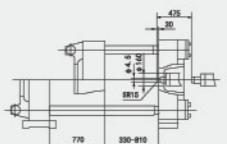
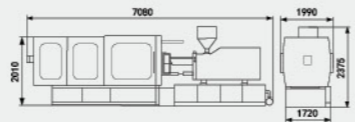
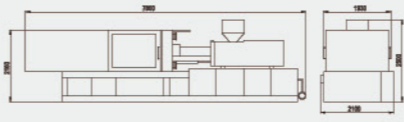
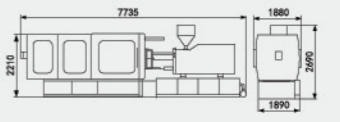
所有技术参数都是在 50Hz 工作状态下的理论计算值。实际注射重量根据不用物料而变化，若以上技术参数及图片有所改变，恕不另行通知。  
All technical parameters are based on theoretical calculation under 50Hz frequency. Actual shot weight will be varied to various materials, all above dates and iconographs are subject to change without notice.

# XY-I 系列技术参数 | SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY1800			XY2200			XY2700			XY3000		
			A	B	C	A	B	C	A	B	C	A	B	C
注射装置	INJECTION UNIT													
螺杆直径	SCREW DIAMETER	mm	42	45	50	45	50	55	50	55	60	55	60	65
螺杆长径比	SCREW L/D RATIO	L/D	23.6	22	19.8	24.5	22	20	24.2	22	20.2	24	22	20.3
理论注射容积	SHOT VOLUME(THEORETICAL)	cm <sup>3</sup>	305	350	432	340	420	510	455	550	655	676	805	945
注射重量	INJECTION WEIGHT	g	277	319	393	310	383	466	416	503	600	615	732	859
注射速率	INJECTION RATE	g/s	138	160	196	124	154	186	187	227	270	223.5	266	312.2
注射压力	INJECTION PRESSURE	Mpa	203	177	143	207	168	139	205	169	142	200	168	143
螺杆转速	SCREW SPEED	rpm	225			190			210			220		
合模装置	CLAMPING UNIT													
合模力	CLAMPING FORCE	KN	1800			2200			2700			3000		
移模行程	OPEN STROKE	mm	435			495			540			590		
拉杆内间距	SPACE BETWEEN TIE-BARS	mm	480 × 480			530 × 530			580 × 580			630 × 630		
最大模厚	MAX.MOULD HEIGHT	mm	520			530			550			630		
最小模厚	MIN.MOULD HEIGHT	mm	180			200			200			200		
顶出行程	EJECTOR STROKE	mm	135			140			150			150		
顶出力	EJECTOR FORCE	KN	50			70			70			70		
其他	OTHERS													
最大油泵压力	MAX.PUMP PRESSURE	Mpa	16			16			16			16		
油泵马达功率	PUMP MOTOR POWER	KW	18.5			18.5			22			30		
电热功率	HEATING POWER	KW	12.5			13.6			15			18.3		
外形尺寸 (长x宽x高)	MACHINE DIMENSIONS(LxWxH)	m	5.20 × 1.60 × 2.00			5.36 × 1.60 × 2.20			5.82 × 1.60 × 2.24			6.11 × 1.81 × 2.41		
邮箱容积	OILTANK CUBAGE	L	300			300			380			390		
机器重量(约)	MACHINE WEIGHT(APPROXIMATE)	t	5.3			6.4			7.6			8.3		
模板正面尺寸 PLATEN DIMENSIONS														
模板侧面尺寸 Mold Space Dimension														
外型尺寸 Machine Dimension														

所有技术参数都是在 50Hz 工作状态下的理论计算值。实际注射重量根据不用物料而变化，若以上技术参数及图片有所改变，恕不另行通知。  
All technical parameters are based on theoretical calculation under 50Hz frequency. Actual shot weight will be varied to various materials, all above dates and iconographs are subject to change without notice.

# XY-I 系列技术参数 | SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY3600			XY4000				XY5200			
			A	B	C	A	B	C	D	A	B	C	D
注射装置	INJECTION UNIT												
螺杆直径	SCREW DIAMETER	mm	67	70	75	65	70	75	80	75	80	85	90
螺杆长径比	SCREW L/D RATIO	L/D	23	22	20.5	23.7	22	20.5	19.3	23.7	22	20.7	19.5
理论注射容积	SHOT VOLUME(THEORETICAL)	cm <sup>3</sup>	1181	1289	1480	1220	1428	1639	1819	1727	1965	2218	2487
注射重量	INJECTION WEIGHT	g	1076	1175	1349	1050	1258	1539	1665	1560	1788	2018	2266
注射速率	INJECTION RATE	g/s	337	368	422	315	357	406	440	386	442	499	560
注射压力	INJECTION PRESSURE	Mpa	183	168	146	208	180	156	138	191	168	148	132
螺杆转速	SCREW SPEED	rpm	195			150				175			
合模装置	CLAMPING UNIT												
合模力	CLAMPING FORCE	KN	3600			4000				5200			
移模行程	OPEN STROKE	mm	660			700				770			
拉杆内间距	SPACE BETWEEN TIE-BARS	mm	680 × 680			730 × 730				820 × 800			
最大模厚	MAX.MOULD HEIGHT	mm	720			780				810			
最小模厚	MIN.MOULD HEIGHT	mm	250			280				330			
顶出行程	EJECTOR STROKE	mm	160			180				240			
顶出力	EJECTOR FORCE	KN	70			126				150			
其他	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			45				55			
电热功率	HEATING POWER	KW	24.7			29.3				33			
外形尺寸 (长x宽x高)	MACHINE DIMENSIONS(LxWxH)	m	7.08 × 1.99 × 2.38			7.8x2.1x2.5				7.74 × 1.89 × 2.69			
邮箱容积	OILTANK CUBAGE	L	680			750				880			
机器重量(约)	MACHINE WEIGHT(APPROXIMATE)	t	12.8			14.6				21.0			
模板正面尺寸 PLATEN DIMENSIONS													
模板侧面尺寸 Mold Space Dimension													
外型尺寸 Machine Dimension													

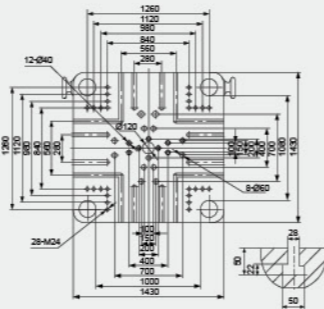
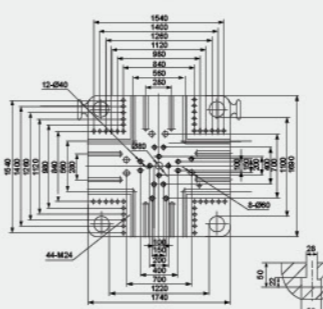
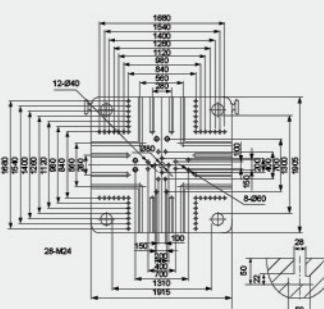
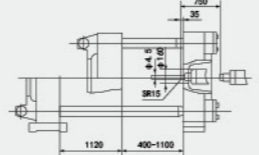
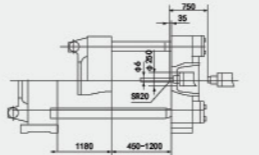
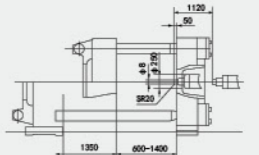
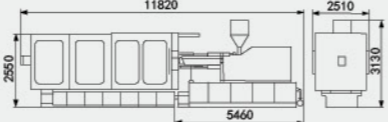
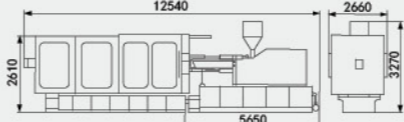
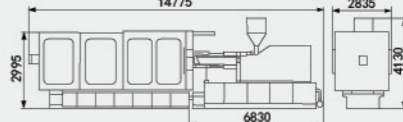
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# XY-I 系列技术参数 | SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY6000				XY6800				XY7800			
			A	B	C	D	A	B	C	D	A	B	C	D
注射装置	INJECTION UNIT													
螺杆直径	SCREW DIAMETER	mm	90	95	100	105	80	90	100	110	90	95	105	110
螺杆长径比	SCREW L/D RATIO	L/D	20	19	18	17.1	24.8	22	19.8	18	23.2	22	19.9	19
理论注射容积	SHOT VOLUME(THEORETICAL)	cm <sup>3</sup>	2554	2835	3140	3461	2161	2736	3377	4086	2925	3258	3980	4369
注射重量	INJECTION WEIGHT	g	2315	2580	2850	3149	1967	2489	3073	3719	2662	2965	3622	3975
注射速率	INJECTION RATE	g/s	552	612	679	748	447	565	698	845	587	654	798	877
注射压力	INJECTION PRESSURE	Mpa	184	165	149	135	224	177	143	118	195	175	143	130
螺杆转速	SCREW SPEED	rpm	150				130				115			
合模装置	CLAMPING UNIT													
合模力	CLAMPING FORCE	KN	6000				6800				7800			
移模行程	OPEN STROKE	mm	850				930				980			
拉杆内间距	SPACE BETWEEN TIE-BARS	mm	870 × 870				910 × 910				980 × 980			
最大模厚	MAX.MOULD HEIGHT	mm	900				950				1000			
最小模厚	MIN.MOULD HEIGHT	mm	350				380				400			
顶出行程	EJECTOR STROKE	mm	250				260				295			
顶出力	EJECTOR FORCE	KN	150				181				210			
其他	OTHERS													
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				30+37				37+37			
电热功率	HEATING POWER	KW	42.95				47.5				59.1			
外形尺寸 (长×宽×高)	MACHINE DIMENSIONS(LxWxH)	m	10.2 × 2.24 × 2.71				9.5 × 2.45 × 2.75				11.20 × 2.37 × 2.55			
邮箱容积	OILTANK CUBAGE	L	900				1040				1250			
机器重量(约)	MACHINE WEIGHT(APPROXIMATE)	t	28				35				43			
模板正面尺寸 PLATEN DIMENSIONS														
模板侧面尺寸 Mold Space Dimension														
外型尺寸 Machine Dimension														

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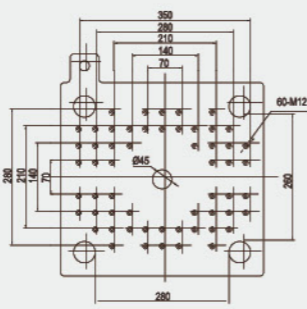
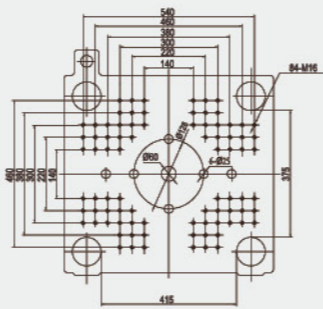
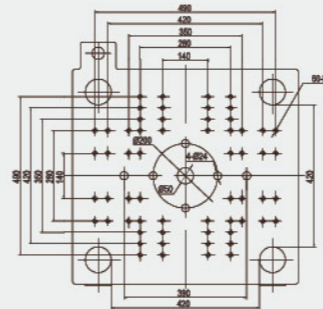
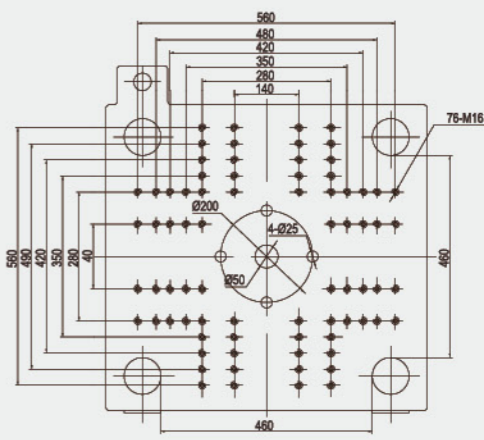
# XY-I 系列技术参数 | SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY10000				XY12000				XY15000			
			A	B	C	D	A	B	C	D	A	B	C	D
注射装置	INJECTION UNIT													
螺杆直径	SCREW DIAMETER	mm	90	100	110	115	110	115	120	125	110	120	130	140
螺杆长径比	SCREW L/D RATIO	L/D	25.5	23	20.9	20	23	22	21	20.2	25.7	24	22	20
理论注射容积	SHOT VOLUME(THEORETICAL)	cm <sup>3</sup>	2988	3689	4464	4879	5270	5760	6272	6805	6269	7460	8755	10150
注射重量	INJECTION WEIGHT	g	2719	3356	4062	4440	4796	5242	5707	6193	5705	6789	7967	9236
注射速率	INJECTION RATE	g/s	590	729	880	960	793	867	944	1024	790	940	1102	1280
注射压力	INJECTION PRESSURE	Mpa	216	176	146	133	186	170	156	144	205	172	146	126
螺杆转速	SCREW SPEED	rpm	100				90				90			
合模装置	CLAMPING UNIT													
合模力	CLAMPING FORCE	KN	10000				12000				15000			
移模行程	OPEN STROKE	mm	1120				1180				1350			
拉杆内间距	SPACE BETWEEN TIE-BARS	mm	1080 × 1080				1220 × 1100				1310 × 1300			
最大模厚	MAX.MOULD HEIGHT	mm	1100				1200				1400			
最小模厚	MIN.MOULD HEIGHT	mm	400				450				600			
顶出行程	EJECTOR STROKE	mm	325				325				360			
顶出力	EJECTOR FORCE	KN	210				245				260			
其他	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+45				45+55				55+55			
电热功率	HEATING POWER	KW	63.9				74.4				81.9			
外形尺寸 (长x宽x高)	MACHINE DIMENSIONS(LxWxH)	m	11.82 × 2.51 × 3.13				12.54 × 2.66 × 3.27				14.78 × 2.84 × 4.13			
邮箱容积	OILTANK CUBAGE	L	1700				2100				2900			
机器重量(约)	MACHINE WEIGHT(APPROXIMATE)	t	50				60				90			
模板正面尺寸 PLATEN DIMENSIONS														
模板侧面尺寸 Mold Space Dimension														
外型尺寸 Machine Dimension														

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# XY-II系列技术参数 | SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY500		XY1280		XY1400			XY1680		
			A	B	A	B	A	B	C	A	B	C
注射装置	INJECTION UNIT											
螺杆直径	SCREW DIAMETER	mm	28	32	42	45	38	42	45	42	45	48
螺杆长径比	SCREW L/D RATIO	L/D	21.5	20	20	18.5	22.1	20	18.6	22	21	19.7
理论注射容积	SHOT VOLUME(THEORETICAL)	cm <sup>3</sup>	63	82	221	256	193	235	270	312	358	407
注射重量	INJECTION WEIGHT	g	57	73	205	238	176	216	246	281	326	371
注射速率	INJECTION RATE	g/s	55	66	110	120	94	115	132	138	139	180
注射压力	INJECTION PRESSURE	Mpa	168	129	204	167	205	170	147	203	177	156
螺杆转速	SCREW SPEED	rpm	175				190			200		
合模装置	CLAMPING UNIT											
合模力	CLAMPING FORCE	KN	500		1280		1400			1680		
移模行程	OPEN STROKE	mm	250		350		380			435		
拉杆内间距	SPACE BETWEEN TIE-BARS	mm	280×260		420×380		420×420			460×460		
最大模厚	MAX.MOULD HEIGHT	mm	280		420		470			500		
最小模厚	MIN.MOULD HEIGHT	mm	100		150		145			180		
顶出行程	EJECTOR STROKE	mm	65		120		120			130		
顶出力	EJECTOR FORCE	KN	18		40		38			45		
其他	OTHERS											
最大油泵压力	MAX.PUMP PRESSURE	Mpa	16		16		16			16		
油泵马达功率	PUMP MOTOR POWER	KW	5.5		11		13			15		
电热功率	HEATING POWER	KW	3.1		6.3		7.8			9.3		
外形尺寸 (长x宽x高)	MACHINE DIMENSIONS(LxWxH)	m	2.9×1.1×1.5		4.6x1.36x1.8		4.8×1.33×1.9			5.2×1.35×1.9		
邮箱容积	OILTANK CUBAGE	L										
机器重量(约)	MACHINE WEIGHT(APPROXIMATE)	t	1.5		3.0		4.0			5		
模板正面尺寸 PLATEN DIMENSIONS												

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# PET 瓶胚专用注塑机

## PET PREFORM INJECTION MOLDING MACHINE

### 产品特点

PRODUCT FEATURES

- 星源 PET 瓶胚专用注塑机采用 PET 射胶机构，螺杆长径比 25:1，具有良好的塑化能力，适合成型各种 PET 产品。
- Xingyuan PET preform injection molding machine adopts specified injection unit for PET products, with screw L:D ratio 25:1, have excellent plasticizing capacity, suitable for making various kinds of PET products.



# 技术参数

## SPECIFICATION TABLE

规格	SPECIFICATION		XY1700PET	XY2200PET	XY2700PET	XY3600PET	XY4200PET	XY5200PET
注射装置 INJECTION UNIT								
螺杆直径	SCREW DIAMETER	mm	65	70	75	80	90	95
螺杆长径比	SCREW L/D RATIO	L/D	25	25	25	25	25	25
理论注射容积	SHOT VOLUME	cm <sup>3</sup>	895	1134	1479	1959	2480	3258
注射重量	INJECTION WEIGHT	g	961	1224	1597	2115	2678	3540
注射速率	INJECTION RATE	g/s	384	400	465	528	661	680
注射压力	INJECTION PRESSURE	Mpa	130	130	150	165	138	150
螺杆转速	SCREW SPEED	rpm	134	126	126	139	130	115
合模装置 CLAMPING UNIT								
合模力	CLAMPING FORCE	KN	1700	2200	2700	3600	4200	5200
移模行程	OPEN STROKE	mm	435	475	550	670	705	770
拉杆间距 (宽*高)	TIE BARS SPACE(W*H)	mm	480*480	530*530	580*580	680*680	730*730	820*800
最大模厚	MAX.MOULD HEIGHT	mm	560	560	580	680	780	810
最小模厚	MIN.MOULD HEIGHT	mm	180	200	200	250	250	330
顶出行程	EJECTOR STROKE	mm	135	140	150	165	180	240
顶出力	EJECTOR FORCE	KN	70	90	90	150	150	150
其他 OTHERS								
最大油泵压力	MAX.PUMP PRESSURE	Mpa	16	16	16	16	16	16
油泵马达功率	PUMP MOTOR POWER	KW	30	37	37	45	45	37+37
电热功率	HEATING POWRE	KW	22.3	22.7	30.7	36.7	42.7	59.1
外形尺寸 (长x宽x高)	SIZE (LxWxH)	m	5.9*1.6*2.0	6.5*1.8*2.3	7.2*1.9*2.3	8.1*2.1*2.5	8.8*2.0*2.5	10.8*2.37*2.55
机器重量(约)	MACHINE WEIGHT	t	6.2	7.2	9.2	13.5	16	22.5

	XY1700PET	XY2200PET	XY2700PET	XY3600PET	XY4200PET
模板尺寸图 Patent Dimensions					
模板侧面尺寸 Mold Space Dimension					
安装图 Floor Plan Layout					

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# 高速薄壁注塑机

HIGH SPEED THIN WALL INJECTION MOLDING MACHINE

星源高速注塑成型机专用于生产薄壁产品,如1出1和1出2的PP餐盒盖,1出1和1出2的PP餐盒,手机外壳等产品,生产周期时间短,产量高。

Xingyuan high speed injection molding machine is specially designed for thin wall thickness product such as food case and cover for 1 cavity or 2 cavities,cell phonecover,etc..Production cycle period is short.

- 配备优化的液压系统,注射速度大幅度提高。
  - 匹配特殊的专用快速螺杆,呈现出更高的塑化能力。
  - 改进的双缸平衡注射系统。
  - 高刚性的锁模结构以达到高速高压的要求,利于延长模具寿命,大幅提高制品的精度。
- With optimized hydraulic system,the injection speed increased significantly.
  - Matching special dedicated fast screw,showing a higher plasticizing capacity.
  - Improved double cylinder balance injection system.
  - The high rigidity of the clamping structure to meet the requirements of high pressure,which will help extend the life of the mould,sub-stantially increase the accuracy of products.



# 技术参数

SPECIFICATION TABLE

规格	SPECIFICATION	CN	XY270-S	XY300-S	XY350-S
<b>注射装置</b> INJECTION UNIT					
螺杆直径	SCREW DIAMETER	mm	50(200T B 螺杆)	50 (250T A 螺杆)	55 (280T A 螺杆)
螺杆长径比	SCREW L/D RATIO	L/D	22	24.2	24
理论注射容积	SHOT VOLUME	cm	420	455	676
注射重量	INJECTION WEIGHT	g	383	416	615
注射速度	INJECTION SPEED	mm/s	292	284	293
注射速率	INJECTION RATE	cm³/s	573	557	695
注射压力	INJECTION PRESSURE	Mpa	137	153	140
螺杆转速	SCREW SPEED	rpm	190	210	220
<b>合模装置</b> CLAMPING UNIT					
合模力	CLAMPING FORCE	KN	2700	3000	3500
移模行程	OPEN STROKE	mm	540	590	660
拉杆内间距	TIE BARS SPACE(W*H)	mm	565*565	625*625	660*660
最大模厚	MAX.MOULD HEIGHT	mm	550	630	720
最小模厚	MIN.MOULD HEIGHT	mm	200	200	250
顶出行程	EJECTOR STROKE	mm	65	70	90
顶出力	EJECTOR FORCE	KN	70	70	70
<b>其他</b> OTHERS					
最大油泵压力	MAX.PUMP PRESSURE	Mpa	16	16	16
油泵马达功率	PUMP MOTOR POWER	KW	55	60	45+30
电热功率	HEATING POWRE	KW	13.6	15	18.3
外形尺寸 (长X宽X高)	SIZE (LxWxH)	m	5.8*1.6*2.2	6.1*1.8*2.4	7.40*2.24*2.38
邮箱容积	OILTANK CUBAGE	l	380	390	680
机器重量(约)	MACHINE WEIGHT	t	8.5	9.5	12.8

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## 塑料、料筒温度设定表

The form of plastic and barrel temperature established

下表为料筒温度与塑料参数之间的各项关系，此表仅供参考，实际温度要根据长时间的使用经验来设定。

The relation between temperature of the material tube and plastic parameter in the following form is just for reference, actual temperature will be established according to long term experience accumulated.

塑料名称 PLASTIC NAME	比重 SPECIFIC GRAVITY	熔点 MELTING POINT	收缩率 SHRINKAGE RATIO	模温 MOULD TEMPERATURE		料筒温度 BARRAL TEMPERATURE					
						喷嘴 NOZZLE		中段 MIDDLE		尾段 END	
				最小值 MIN	最大值 MAN	最小值 MIN	最大值 MAN	最小值 MIN	最大值 MAN	最小值 MIN	最大值 MAN
PS	1.07	100	0.4	10	75	180	260	200	260	160	250
HIPS	1.00	100	0.4	5	75	220	270	190	260	160	250
ABS	1.05	110	0.6	50	80	190	250	180	240	170	240
LDPE	0.92	120	1.5-5	35	60	230	310	220	300	170	220
HDPE	0.95	130	2.0-5	35	60	230	310	220	300	170	220
PP	0.91	176	1-2.5	50	80	210	300	180	260	160	240
PVC	1.45	90	0.1-0.5	10	60	170	220	160	195	150	195
PMMA	1.19	100	0.5	50	90	180	230	160	240	140	220
PA6	1.13	216	0.8-1.5	50	80	210	230	210	230	200	210
PA66	1.14	265	2.25	50	80	250	280	240	280	220	280
CA	1.30	230	0.5	40	75	180	200	170	190	150	180
PC	1.20	150	0.8	80	99	250	320	260	340	280	350
POM	1.41	175	2.0	50	90	190	210	175	220	160	210
SAN	1.09	115	0.2	50	80	250	250	180	230	170	220

## 注塑机辅机 | INJECTION MOLDING MACHINE AUXILIARY



碳刷式自动填料机  
carbon brush auto-loader



感应式自动填料机  
induction auto-loader



干燥机  
hopper dryer



水冷箱式工业冷水机  
water chiller



风冷箱式工业冷水机  
air chiller



模具自动控温机  
automatic mold temperature control



塑料粉碎机  
plastic crusher



空压机  
air compression



立式混色机  
vertical color-mixer



冷却塔  
cooling tower



除湿干燥机  
dehumidification dryer



除湿干燥送料组合  
dehumidifying, drying and feeding unit



机械手 robot



上行输送机  
up-style conveyor belt



模具  
mold



磁力架  
magnet frame