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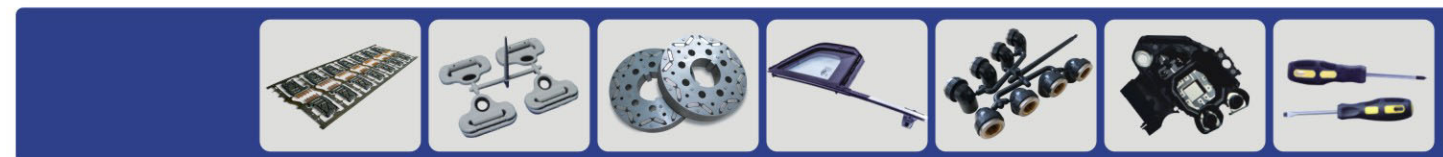
公共平臺號: hztayu-d

TAYU 大禹機械

立式塑膠·電木射出成型機
Vertical Plastic & Bakelite
Injection Molding Machine



成就客户 合作共赢
CUSTOMER SUCCESS WIN-WIN COOPERATION



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公司簡介

COMPANY INTRODUCTION

源自德國的先進技術

DERIVED FROM GERMANY ADVANCED TECHNOLOGY

- 產能超3000 臺/年；
- 射出量10-30000 克；
- 鎖模力12-2500 噸
- Annual production capacity reaches up to 3000 sets
- Injection capacity 10-30000 grams
- Clamping force 12-2500T

大禹機械有限公司與德國著名注塑機企業合作，引進歐洲先進技術及生產工藝，專業生產塑膠、電木(BMC)等高精密橡膠機械。公司為國家高新技術企業，在浙江杭州、廣東東莞擁有兩個制造生產基地，技術、質量、產能均處於行業領先地位。以歐洲、日本等先進注塑設備質量、技術為標準，為客戶提供技術先進、品質優良、性能優越的注塑成型設備。為自有完善的加工設備，具備嚴謹的工藝保障與快速交付能力。

Hangzhou Tayu Machinery Co.,Ltd, deeply cooperate with famous Sumitomo Demag Plastic Group from Germany, import European advanced technologies and production engineering, specializing in the high precision plastic and rubber, Bakelite(BMC) injection molding machines. Tayu is the National high-tech enterprise, which has two core manufacturing base which is located in Hangzhou Zhejiang province and Dongguan Guangzhou province. The technology, quality, capacity are all leader in the industry. Tayu based on European and Japanese advanced standard, focus on machines quality and technology, to offer most advanced and best quality injection molding machines to our clients. Tayu have compiled machining center, to make sure best process support and faster deliverability.



成就客戶 合作共贏

CUSTOMER SUCCESS WIN-WIN COOPERATION

A 國際前沿技術與管理體系

High-end technology and management system.

引進歐洲、日本的先進技術、管理體系，持續引進人才以及結合內部培訓，堅持貫徹ISO管理體系，以技術、品質、交期、服務等優勢贏得客戶滿意。

TAYU import the technologies and management system of Europe and Japan, constantly introduces the talents and combines with the internal training, and sticks to the thorough implementation of ISO management system. With the advantages of the technology, quality, delivery, service to win customer satisfaction.



B 以客制化、專案化貼近客戶

Adopt the personalized characteristic, the overall development

大禹注塑技術多年來以其可靠性、普通應用、個性化匹配的高端技術解決方案及高質量的注塑機生產立足行業。公司以浙江杭州、廣東東莞兩個核心制造基地以及遍布國內40多家、國外20多家銷售、服務網點構成了緊密的網絡，為客戶提供先進技術和優質服務。

Tayu injection molding technology has been in the industry over years depending on its reliability, universal application and uniquely matched high-tech solution as well as high-quality injection molding machine. The two core manufacturing bases in Hangzhou of Zhejiang Province and Dongguan of Guangdong Province and over 40 domestic sales and service networks and over 20 overseas sales and service networks form a close network which provides advanced technology and good service to the customers.

C 全面的服務

Comprehensive service

服務範圍涵蓋了從諮詢和選擇合適的機器技術到計劃、設計、實施和試運行注塑機或整個生產設備，一直到應用技術支持、維護、電話和世界聯網的備件服務以及有效的培訓。公司在全國設有30多個辦事處，并在德國及美國、墨西哥、印度、印度尼西亞、伊朗、馬來西亞、越南、巴西、俄羅斯等十多個國家設有代理機構。

The range of service covers from consultation, selection proper machine technology, plan, design, implementation and experimental operation of injection molding machine and the entire production equipment, to the support and maintenance of applied technology, to spare parts service on the phone and worldwide network as well as effective training. Tayu has more than 30 branch offices in the China, and more than ten foreign agent in Germany, USA, Mexico, India, Indonesia, Iran, Malaysia, Vietnam, Brazil, Poland and Russian, etc.



電動注塑機、油電混合注塑機

ELECTRIC INJECTION MOLDING MACHINE, OIL ELECTRIC COMPOSITE INJECTION MOLDING MACHINE

電動·油電混合注塑機 Electric.Oil electricity compound injection molding machine

- 集中體現了液壓式和電動式兩種類型注塑機的優點，突出了高節能、快響應、高精度、高效率的特點。
- Epitomizes the advantages of two types hydraulic and electric molding injection machine, highlight the characteristics of energy saving, fast response and high precision, high efficiency.
- 與常規機相比節能40%–70%。
- Compared with conventional machine energy saving 40%–70%
- 適合超薄型和高精度產品的注塑成型。
- Suitable for ultra thin and high precision molding injection products
- 采用伺服控制器調控伺服電機驅動齒輪泵和螺杆，對流量、壓力實施閉環控制，實現鎖模、射膠的多段速度、壓力和儲料塑化的精確控制。
- Servo controller are adopted in the control of servo motor driven gear pump and the screw, closed -Loop control for flow and pressure , realization of precise control of clamping, material multistage velocity injection, pressure and storage material plasticization.
- 射膠響應時間≤20ms,射膠速度達1000mm/s制品重量誤差≤0.5%。
- 20 ms or less response injection time, injection speed reaches 1000 mm/s, product weight error 0.5% or less



TH系列高精高速注塑機

TH SERIES HIGH-PRECISION & HIGH-SPEED INJECTION MOLDING MACHINE



極高的機械強度以及精密控制技術，運用于高端成型制造，針對客戶眾多的產品原料、尺寸、工藝要求，提供給客戶最高效經濟的驅動、鎖模、注射單元個性化組合方案。

Extremely high mechanical strength and precise control technology, applicable to high-end molding manufacturing, For the numerous product materials, dimensions and process requirements of customers, offer customers the most efficient and economic unit combination scheme of drive, mould clamping and Personalized Scheme.

● 超高性價比

Super High Cost Performance

TH系列注塑機傳承德國的原版設計和制造工藝，技術及品質均可與歐洲產品相媲美，由大禹機械組織在中國量產，提供給客戶極具性價比的產品：

TH Series Injection Molding Machine adopts the original design & manufacturing process of Germany, comparable with European products in the aspects like technology and quality, carried out the mass production organized by Dayu Machinery in China, regarded as an extremely high cost performance product supplied to customers.

● 高精度

High Precision

德國技術搭載歐洲優秀的電液控制部品，大禹公司的專業調校，保證各工藝參數的高重複精度：

German Technology and European excellent electric hydraulic control components, as well as the professional debugging & calibration of Dayu Company, ensure the high repeated precision of process parameters.

● 可靠性

Reliability

TH系列機器制造工藝嚴謹，機械部件强度高，經久耐用、性能穩定，關件部件均採用進口件，保障高效運作。

TH Series Machine owns the rigorous manufacturing process, has mechanical parts with high strength, outstanding durability and stable performance, and uses imported parts as critical components, so as to ensure the efficient operation.

高精密射出參數 High precision injection parameter

		UNIT 單位	VP2		VP3		VP4		VP5		VP6		
射出系統 Injection system	螺絲直徑Screw Diameter	mm	Φ16	Φ18	Φ20	Φ20	Φ22	Φ25	Φ28	Φ28	Φ32	Φ32	Φ36
	射出壓力Injection Pressure	Kg/cm2	3076	2430	1968	2817	2328	2329	1857	2491	1907	2754	2176
	理論射出容量Theoretical Shot volume	cm3	20	25	31.4	37	45	58	73	110	144	144	183
	射出量 (P.S) Max. Shot Weight	g/Oz	17.9/0.6	22/0.78	28/0.98	33/1.2	40/1.4	52/1.8	65/2.3	98/3.5	129/4.6	129/4.6	163/5.7
	射出率 標準Injection Rate	cm3/s	40	50.8	63	63	76	98	123	123	160	160	203
	射出率 高速Injection Rate	cm3/s	70	89	110	110	132	171	215	215	281	281	356
	射出速度 標準Injection speed (standard)	mm/s		200		200		200		200		200	
	射出速度 高速Injection speed (high)	mm/s		350		350		350		350		350	
	溫控區Temperature control	Zone		4		5		5		5		5	
	料鬥容量Material Hopper Capacity	L		10		10		10		15		15	

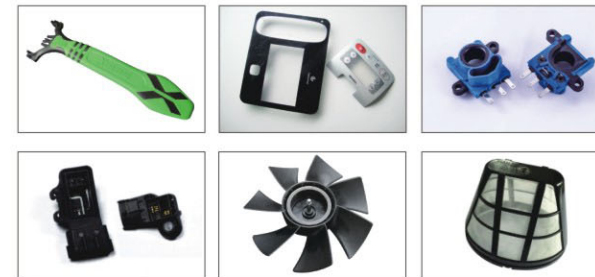
TY 標準機系列 STANDARD SERIES

立式四柱鎖模、立式注射、鎖模
力12-2000噸，射出量30克—3000
克，方便嵌入零件。

Vertical-type four-column clamping,
vertical-type injection clamping force from
12 ton to 2000 ton, Shot weight from 30g to
3000g, be convenient to embed the
components.



TY-S 單滑板機系列 SINGLE-SLIDE MACHINE SERIES



型號 MODEL		單位 UNIT	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-									
			120		200		400		600		700										
Injection system 射出系統	螺桿直徑 Screw diameter	mm	φ20	φ22	φ25	φ22	φ25	φ28	φ32	φ25	φ28	φ32	φ36	φ42							
	理論射出容量 Theoretical injection volume	cm	31.4	40	52	39.8	51.5	65	84	58.8	73	96	122	144							
	射出量 Maximun shot weight (PS)	g/Oz	28/0.98	36/1.3	46/1.3	35.6/1.25	46/1.6	58/2.0	75/2.6	52.5/1.85	66/2.3	86/3.0	109/3.8	58.6/2.07	73/2.57	96/3.39	121/4.27	98.8/3.4	129/4.5	162/5.7	222/7.8
	射出壓力 Injection pressure	Kg/cm	1968	1627	1260	2342	1814	1446	1107	2329	1857	1421	1123	2329	1857	1421	1123	2848	2180	1723	1266
射出速率 Injection rate	cm ³ /s	36	44	57	30.8	39.8	50	65	41	51	67	85	65	81	106	135	53	69	87	119	
溫控區 Temperature control	ZONE		2		3		3		3		3		4								
料門容量 Material hopper capacity	L		15		15		20		20		30		30								
Clamping system 鎖模系統	鎖模力 Clamping force	ton	12		25		40		60		70		70								
	開模力 Opening force	ton	6.3		6.6		8.3		8.3		13.5		13.5								
	最小模厚 Minimun mold height	mm	120/180		100/180		150/200		150/200		200/250		200/250								
	開模行程 Opening stroke	mm	160		180		200		200		250		250								
	最大開距 Maximun daylight	mm	280/340		280/360		350/400		350/400		450/500		450/500								
	容模尺寸 Mold dimensions	mm	280×145		360×230		415×250		460×310		500×340		500×340								
頂針行程 Ejector stroke	mm	40		40		40		60		60		60									
頂出力 Ejector force	ton	1.3		1.3		1.3		1.3		2.7		2.7									
Hydraulic system 液電力系統	最大液壓 Maximun hydraulic pressure	Kg/cm ²	140		140		140		140		140		140								
	作動油量 Pump output	L	80		130		160		230		260		260								
	油泵電機 Pump motor power	KW	4		4		5.5		7.5		7.5		7.5								
	電熱容量 Heating capacity	KW	2.1		2.7		4.1		4.1		4.5		4.5								
	總用電量 Total wattage	KW	6.1		6.7		9.6		11.6		12		12								
Others 其它	滑板行程 Slide table stroke	mm	-	300	-	350	-	420	-	480	-	500	-	500							
	轉盤直徑 Round set diameter	mm	-	-	-	-	-	-	-	-	-	-	-	-							
	機械尺寸 Machine dimensions (L×W×H)	m	1.3×0.85×2.35	1.6×1.0×2.5	1.65×1.0×2.5	1.85×1.0×2.45	1.9×1.1×2.45	2.15×1.1×2.6	1.9×1.2×2.7	2.0×0.9×2.6	2.0×1.135×2.8	2.2×1.1×3.3	-	-							
	機器重量 Machine weight	ton	0.66	0.7	0.96	1.25	1.6	1.7	1.9	2.1	2.8	3.0	-	-							

TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-
850		1000		1200		1600		2100		2500		3500	
φ28	φ32	φ36	φ42	φ36	φ42	φ46	φ52	φ50	φ55	φ55	φ60	φ60	φ65
110	144	182	249	183	249	365	467	471	570	570	678	706	829
98.8/3.4	129/4.5	162/5.7	222/7.8	162/5.7	222/7.8	325/11.4	415/14.6	420/14.8	509/17.9	509/17.9	605/21.3	630/22.2	740/26
2848	2180	1732	1266	2176	1599	2193	1716	1856	1534	1749	1470	1588	1353
62	81	103	140	124	169	123	157	157	190	180	215	189	221
4	4	4	4	4	4	4	4	4	4	4	4	5	5
30	30	30	30	30	30	30	30	30	30	30	30	60	60
85	102	120	120	160	160	210	250	250	250	250	250	250	350
13.5	10.5	16	16	18	18	20	20	20	20	20	20	20	23.7
200/250	200	250	250	300	300	350	350	350	350	350	350	350	300
250	250	300	300	300	300	400	400	400	400	400	400	400	450
450/500	450	550	550	600	600	750	750	750	750	750	750	750	750
500×340	560×360	600×400	600×400	660×630	660×630	670×720	670×720	700×720	700×720	700×720	700×720	830×600	830×600
60	75	75	75	75	75	75	75	75	75	75	75	100	150
2.7	3.9	4.6	4.6	5.4	5.4	6.2	6.5	6.5	6.5	6.5	6.5	7	7
140	140	140	140	140	140	140	140	140	140	140	140	140	140
260	360	480	480	500	500	535	600	600	600	600	600	700	700
11	15	15	15	18.5	18.5	21.5	30	30	30	30	30	37	37
4.5	11.9	10.4	10.4	10.5	10.5	12.5	16.8	16.8	16.8	16.8	16.8	19.8	19.8
15.5	26.9	25.4	25.4	29	29	34	46.8	46.8	46.8	46.8	46.8	56.8	56.8
-	500	-	-	750	-	800	-	950	-	950	-	950	950
-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.0×1.3×2.9	2.1×1.1×3.5	2.2×1.3×3.3	2.6×1.3×3.4	2.1×1.65×4	2.5×1.2×3.7	2.7×1.45×4.0	3.2×1.4×4.1	2.8×1.3×4.6	3.6×1.5×4.8	2.8×1.7×4.6	4.3×1.5×4.9	3.2×1.8×5.1	4.5×1.8×5.1
3	3.5	4.5	4.7	6.5	6.7	7.2	7.4	9.2	9.5	10.3	10.5	12.9	13

★ 注：以上規格參數僅供參考，如有設計更改，恕不另行通知。
Note: IF there is change about the above specification parameters, please forgive we will not notice

TY-DS 雙滑板機系列 DOUBLE-SLIDE MACHINE SERIES

立式四柱鎖模、立式注射、鎖模力12-2000噸，射出量30克-3000克，方便嵌入零件。

Vertical-type four-column clamping, vertical-type injection clamping force from 12 ton to 2000ton, Shot weight from 30g to 3000g, be convenient to embed the components



TY-R 轉盤機系列 ROTARY MACHINE SERIES



型號 MODEL		單位 UNIT	TY-DS-120	TY-R-120	TY-DS-200	TY-R-200	TY-DS-400	TY-R-400	TY-DS-600	TY-R-600	TY-DS-700	TY-R-700									
Injection system 射出系統	螺桿直徑 Screw diameter	mm	φ20	φ22	φ25	φ22	φ25	φ28	φ32	φ25	φ28	φ32	φ36	φ25	φ28	φ32	φ36	φ42			
	理論射出容量 Theoretical injection volume	cm	31.4	40	52	39.8	51.5	65	84	58.8	73	96	122	65	82	107	136	110	144	182	249
	射出量 Maximun shot weight (PS)	g/Oz	28/0.98	36/1.3	46/1.3	35.6/1.25	46/1.6	58/2.0	75/2.6	52.5/1.85	66/2.3	86/3.0	109/3.8	58.6/2.07	73/2.57	96/3.39	121/4.27	98.8/3.4	129/4.5	162/5.7	222/7.8
	射出壓力 Injection pressure	Kg/cm	1968	1627	1260	2342	1814	1446	1107	2329	1857	1421	1123	2329	1857	1421	1123	2848	2180	1723	1266
Clamping system 鎖模系統	射出速率 Injection rate	cm ³ /s	36	44	57	30.8	39.8	50	65	41	51	67	85	65	81	106	135	53	69	87	119
	溫控區 Temperature control	ZONE	2		3			3			3			4							
	料鬥容量 Material hopper capacity	L	15		15			20			20			30							
	鎖模力 Clamping force	ton	12		25			40			60			70							
Hydraulic system 液電力系統	開模力 Opening force	ton	6.3		6.6			8.3			8.3			13.5							
	最小模厚 Minimum mold height	mm	120/180		100/180			150/200			150/200			200/250							
	開模行程 Opening stroke	mm	160		180			200			200			250							
	最大開距 Maximun daylight	mm	280/340		280/360			350/400			350/400			450/500							
	頂針行程 Ejector stroke	mm	60		60			60			60			60							
	頂出力 Ejector force	ton	1.3		1.3			1.3			1.3			2.7							
	最大液壓 Maximun hydraulic pressure	Kg/cm ²	140		140			140			140			140							
	作動油量 Pump output	L	80		130			160			230			260							
Others 其它	油泵電機 Pump motor power	KW	4		4			5.5			7.5			7.5							
	電熱容量 Heating capacity	KW	2.1		2.7			4.1			4.1			4.5							
	總用電量 Total wattage	KW	6.1		6.7			9.6			11.6			12							
	滑板行程 Slide table stroke	mm	300	-	350	-	420	-	480	-	500	-									
轉盤直徑 Round set diameter	mm	-	φ580	-	φ700	-	φ900	-	φ900	-	φ1000										
機械尺寸 Machine dimensions (LxWxH)	m	1.6x1.4x2.4	1.1x0.8x2.6	1.8x0.9x2.7	1.2x1.6x2.6	1.9x1.1x2.7	2.0x1.6x2.8	2.0x0.9x2.7	2.0x1.2x2.7	2.3x1.1x3.4	1.9x1.3x3.0										
機器重量 Machine weight	ton	0.73	0.75	1.5	1.6	1.95	3.2	2.4	3.5	2.9	4.5										

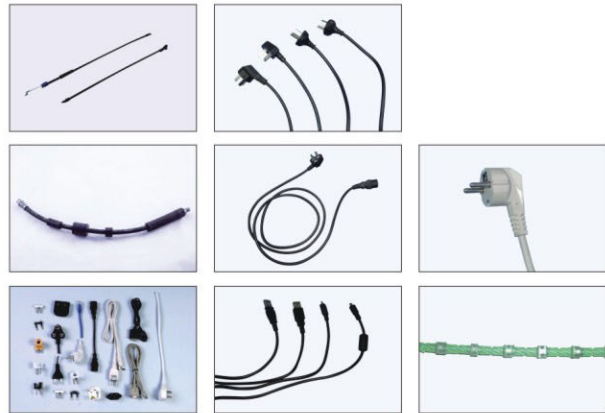
TY-DS-850	TY-R-850	TY-DS-1000	TY-R-1000	TY-DS-1200	TY-R-1200	TY-DS-1600	TY-R-1600	TY-DS-2100	TY-R-2100	TY-DS-2500	TY-R-2500	TY-DS-3500	TY-R-3500
φ36	φ42	φ36	φ42	φ46	φ52	φ50	φ55	φ55	φ60	φ60	φ65	φ65	φ75
182	249	183	249	365	467	471	570	570	678	706	829	928	1077
162/5.7	222/7.8	162/5.7	222/7.8	325/11.4	415/14.6	420/14.8	509/17.9	509/17.9	605/21.3	630/22.2	740/26	829/29.2	961/33.8
1732	1266	2176	1599	2193	1716	1856	1534	1749	1470	1588	1353	1590	1194
103	140	124	169	123	157	157	190	180	215	189	221	347.6	462.8
4	4	4	4	4	4	4	4	4	5	5	5	5	
30	30	30	30	30	30	30	30	60	60	60	60	60	
85	102	120	120	160	160	210	210	250	250	350	350	350	
13.5	10.5	16	16	18	18	20	20	20	20	23.7	23.7	23.7	
200/250	200	250	250	300	300	350	350	400	400	450	450	450	
250	250	300	300	300	300	400	400	400	400	450	450	450	
450/500	450	550	550	600	600	750	750	750	750	750	750	750	
60	75	100	100	100	100	150	150	150	150	150	150	150	
60	75	100	100	100	100	150	150	150	150	150	150	150	
2.7	3.9	4.6	4.6	5.4	5.4	6.2	6.2	6.5	6.5	7	7	7	
140	140	140	140	140	140	140	140	140	140	140	140	140	
260	360	480	480	500	500	535	535	600	600	700	700	700	
11	15	15	15	18.5	18.5	21.5	21.5	30	30	37	37	37	
4.5	11.9	10.4	10.4	10.5	10.5	12.5	12.5	16.8	16.8	19.8	19.8	19.8	
15.5	26.9	25.4	25.4	29	29	34	34	46.8	46.8	56.8	56.8	56.8	
500	-	600	-	750	-	800	-	950	-	950	-	950	-
-	φ1000	-	φ1100	-	φ1224	-	φ1480	-	φ1600	-	φ1800	-	φ1800
2.3x1.1x3.2	2.0x1.4x3.0	2.6x1.3x3.4	2.4x1.7x3.4	2.9x1.2x3.7	2.3x1.7x3.8	3.7x1.2x4.1	3.1x1.7x4.1	4.3x1.3x4.7	3.6x2.0x4.7	5.2x1.6x4.9	3.8x2.2x4.9	5.5x1.9x5.1	3.8x2.2x5.1
3.7	4.5	4.8	6	6.9	8	7.6	9	9.8	11	10.7	13	15	16

★ 注：以上規格參數僅供參考，如有設計更改，恕不另行通知。
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TC 標準機系列 STANDARD SERIES

立式鎖模、橫式注射、無立柱、
三面開放,特別方便成型件取放,鎖模力
12噸-5000噸,射出量80克-8000克.

Vertical-type clamping, tiebarless three-
sides open, clamping force from 12ton to
5000ton, shot weight from 80g to 8000g



TC 滑板機系列 DOUBLE SLIDE SERIES



TC 轉盤機系列 ROTARY MACHINE SERIES



型號 MODEL		單位 UNIT	TC-	TC-S-	TC-DS-	TC-R-	TC-	TC-S-	TC-DS-	TC-R-	TC-	TC-S-	TC-DS-	TC-R-	TC-	TC-S-	TC-DS-	TC-R-	TC-	TC-S-	TC-DS-	TC-R-
射出系統 Injection system	螺桿直徑 Screw diameter	mm	200				450				750				850				1200			
	理論射出容量 Theoretical injection volume	cm ³	65				120				172				172				365			
	射出量 Maximun shot weight (PS)	g/Oz	58/2.0				108/3.8				154/5.4				154/5.4				325/11.4			
	射出壓力 Injection pressure	Kg/cm ²	1785				1531				1620				1620				2193			
	射出速率 Injection rate	cm ³ /s	53				99				109				109				123			
	溫控區 Temperature control	ZONE	3				4				4				4				4			
	料鬥容量 Material hopper capacity	L	15				30				60				60				60			
鎖模系統 Clamping system	鎖模力 Clamping force	ton	26				45				75				85				120			
	開模力 Opening force	ton	6.6				8.3				11.5				17				16			
	最小模厚 Minimun mold height	mm	200				175				200				200				250			
	開模行程 Opening stroke	mm	300				200				270				270				300			
	最大開距 Maximun daylight	mm	500				375				470				470				550			
	容模尺寸 Mold dimensions	mm	-				-				-				-				-			
	射嘴中心 Nozzle center height	mm	160±50				150±20				170±20				170±20				200±20			
液電力系統 Hydraulic electric system	頂針行程 Ejector stroke	mm	75				60				90				90				90			
	頂出力 Ejector force	ton	1.3				1.8				2.7				2.7				4.6			
	最大液壓 Maximun hydraulic pressure	Kg/cm ²	140				140				140				140				140			
	作動油量 Pump output	L	130				180				280				280				480			
	油泵電機 Pump motor power	KW	5.5				7.5				11				11				15			
	電熱容量 Heating capacity	KW	4.7				6.35				10.45				10.45				10.4			
	總用電量 Total wattage	KW	10.2				13.85				21.45				21.45				25.4			
其它 Others	滑板行程 Slide table stroke	mm	-	350	350	-	-	450	450	-	-	570	570	-	-	570	570	-	-	750	750	-
	轉盤直徑 Round set diameter	mm	-	-	-	φ 700	-	-	-	φ 900	-	-	-	φ 1000	-	-	-	φ 1000	-	-	-	φ 1224
	機械尺寸 Machine dimensions (LxWxH)	m	2.8×1.1×2.1	3.0×1.1×2.1	2.8×1.9×2.1	2.9×1.1×2.2	2.2×0.8×2.1	2.2×1.2×2.2	2.2×1.6×2.2	2.2×1.1×2.2	2.6×0.9×2.6	2.6×1.8×3.0	3.0×2.1×3.0	3.5×1.2×3.0	2.6×0.9×2.6	2.6×1.8×3.0	3.0×2.1×3.0	3.5×1.2×3.0	3.5×1.2×2.8	3.5×2.5×2.8	3.5×3.0×2.8	3.5×1.6×2.8
	機器重量 Machine weight	ton	2.5	2.7	2.8	3	3	3.1	3.5	3.7	4.8	5	5.2	6	5	5.2	5.5	6.1	10	11	11.5	12

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雙色(多色)機系列

DOUBLE COLOR (MULTI COLOR) INJECTION MACHINE

採用雙色(多色)機并搭配模具,加工製造過程大幅度縮減,比原先節省2/3的生產時間,且雙色(多色)一次成型,減少因冷卻收縮引起的品質問題。對於客戶而言,這不但大幅度降低生產成本,同時也提高了產品品質而創造更高的利潤空間。

Two sets of feed pipes fit one set of compound nozzle, double-colored (multi color) machine is adopted and moulds is matched, so that the processing and manufacturing process are reduced greatly which saves 2/3 of the original production time. Besides, the double-colored (multi color) one-off molding reduces the quality problems caused by cooling shrinkage. For the customers, it not only reduces production costs largely, but also improves the quality of products and creates more profit.

● 轉盤雙色注塑機系列

鎖模力55-1000噸、注射量2×68g-2×740g

● Rotary bi-color injection machine series clamping force from: 55ton-500 ton, shot weight: 2×68g-2×740g

● 固定式雙色機系列

鎖模力25-500噸、注射量2×30g-2×740g

● Fixed bi-color injection machine series clamping force from: 25ton-500 tons, shot weight: 2×30g-2×740g

● 混雙色(雲彩色)系列

鎖模力40-350噸、注射量2×68g-2×509g

● Mixed bi-colored (cloud color) series clamping force from: 40ton-350 ton, shot weight: 2×68g-2×509g



● **TY-2500.3R.2C**
轉盤雙色機



● **TY-3500.3R.2C**
轉盤雙色機



● **TY-1600.2C.ZT**
轉塔雙色機



● **TYU-6500.2R.2C**
轉盤雙色機



立式圓盤雙色成型射出系統規格表 VERTICAL INJECTION SYSTEM

描述 DESCRIPTIO	單位 UNIT	系列 SERIES																							
		A		B		C		D		E		F		G		H									
		φ20	φ22	φ22	φ25	φ28	φ25	φ28	φ32	φ32	φ36	φ42	φ42	φ46	φ50	φ45	φ50	φ55	φ50	φ55	φ60	φ65			
螺桿直徑 Screw diameter	mm	φ20	φ22	φ22	φ25	φ28	φ25	φ28	φ32	φ32	φ36	φ42	φ42	φ46	φ50	φ45	φ50	φ55	φ50	φ55	φ60	φ65			
射出壓力 Injection pressure	Kg/cm ²	2834	2342	2242	1813	1446	2723	2170	1662	2180	1723	1266	2630	2193	2017	2062	1856	1534	2116	1749	1470	1889	1588	1353	
理論射出容量 Theoretical injection volume	cm ³	31	38	40	51	65	59	74	96	143	182	249	304	365	396	381	471	570	510	617	735	677	806	945	
射出量(PS) Maximum shot weight (PS)	g/Oz	29/10	36/1.2	38/1.3	46/1.6	58/2.0	52/1.8	65/2.3	86/3.0	128/4.5	162/5.7	222/7.8	271/9.5	325/11.4	353/12.4	340/12	420/14.8	509/17.9	459/16.2	555/19.6	662/23.3	609/21.5	725/26	850/30	
射出速率 Injection rate	cm ³ /sec	26	32	33	42	53	49	61	80	72	91	124	135	163	176	151	186	226	177	214	255	225	269	315	
射出行程 Injection stroke	mm	100		100		120		180		220		220		260		280									
溫控區 Temperature control	ZONE	3		3		3		3		4		4		4		5									
電熱容量 Heating capacity	KW	2.7		2.7		4.1		4.5		10.4		10.4		12.5		16.8									

★ 注: 以上規格參數僅供參考, 如有設計更改, 恕不另行通知。
Note: IF there is change about the above specification parameters, please forgive we will not notice

立式圓盤雙色成型鎖模系統規格表 VERTICAL CLAMP SYSTEM

機械型號 Machine Type	單位 UNIT	系列 SERIES																	
		TY500-2R-2C		TY850-2R-2C		TY1200-2R-2C		TY1600-2R-2C		TY2100-2R-2C		TY2500-2R-2C		TY3000-2R-2C		TY4000-2R-2C		TY5000-2R-2C	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
鎖模力 Clamping force	ton	55		85		110(2×55)		146(73×2)		200(2×100)		240(2×120)		310(2×155)		420(2×210)		500(2×250)	
開模力 Opening force	ton	8.3		13.5		15		17.3		19		21		23		30		35	
圓盤直徑 Round set diameter	mm	φ700		φ900		φ900		φ1000		φ1224		φ1224		φ1480		φ1600		φ1800	
最小模厚 Minimun mold height	mm	150/200		200/250		220/300		250/330		280/390		300/400		350/450		350/450		400/500	
開模行程 Opening stroke	mm	200		250		300		300		350		400		400		450		500	
頂出力 Ejector force	ton	2.5		2.5		3.9		3.9		3.9		4.5		4.5		5.5		60	
頂針行程 Ejector stroke	mm	50		50		75		75		75		100		100		120		120	
最大液壓 Maximun hydraulic pressure	Kg/cm ²	140		140		140		140		140		140		140		140		140	
油箱容量 Oil tank capacity	L	180		250		310		340		360		450		600		650		750	
油泵電機 Pump motor power	KW(hp)	7.5(10)		15(20)		18.5		18.5		22(30)		30(40)		37.5(50)		45(60)		60(80)	
機器重量 Machine weight	ton	3.5		5.5		9		10		12		15		20		23		30	
機械尺寸 Machine dimensions (L×W×H)	m	2.1×1.07×2.8		2.4×1.28×3.4		2.8×1.58×3.6		3.3×1.9×3.8		3.3×2.1×3.9		3.5×2.4×4.2		3.6×2.5×4.2		3.6×2.7×4.8		3.8×2.8×5.0	

性能與裝置 PERFORMANCE & EQUIPMENT

通用性能:

- 下模固定，上模活動，適合嵌件注塑成型。
- 氮化鋼螺桿、料管，高扭矩液壓馬達驅動，多段注塑壓力，塑化性能好。
- 直壓式子母鎖模缸設計，高速低壓合模、多重壓力控制，提高模具使用壽命，安全性高。
- 電器保護裝置，無誤動作發生，維護操作人員安全。
- 射座可自動升降，方便模具、原料更換。

GENERAL FEATURES:

1. Fixed lower platen, Movable upper platen mounting. Suitable for all kinds of insert molding.
2. Nitrided steel screw and barrel, direct driven by high torque motor, with multi-stages injection speed for better. Suitable for most kinds of plastic material.
3. Vertical clamping system, with high speed, low pressure control, safe and prolong mold using-life.
4. Electronic circuit have protection device to maintain operation safety.
5. Movable injection it for easy replacement of material and mold.

標準裝置:

- 安全光柵裝置
- 螺桿冷料保護裝置
- 緊急停止安全開關
- P.I.D比例式溫度控制
- 自動故障顯示及停機
- 全電腦螢幕顯示電控
- 雙押扣開關安全起動裝置
- 快速鎖模，低壓安全鎖模裝置
- 自動洗料裝置

STANDARD EQUIPMENT:

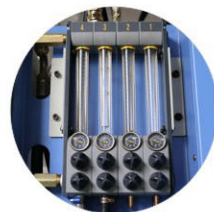
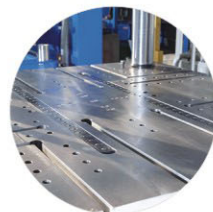
1. Optical grating
2. Screw cool-protect equipment
3. Emergency stop safety switch
4. P.I.D. proportional temperature control
5. Auto malfunction display and stop working
6. Micro computer screen control system
7. Double-way safety start up switch
8. High speed, low pressure safety clamping device
9. Auto clean equipment

特殊裝置:

- 滑板臺 可加設單模滑板或雙模滑板裝置，能提高生產效率至30%-50%。
- 轉盤臺 可加設雙模位或參模位轉盤裝置，安全省時，能提高生產效率至40%-80%。
- 自動化嵌件系統(專用機設計)。
- 熱固性注塑成型系統。
- 高耐磨耐腐蝕螺桿料筒組
- 自動潤滑(自動集中供油裝置)

SPECIAL EQUIPMENT (OPTIONAL):

1. Single plate or double plate are available. Increase production efficiency up to 30-50%.
2. Rotary table 2to 3 stations rotary system are available, increase production efficiency up to 40-80% safely.
3. Automatic insert system(special design).
4. Thermosetting injection system.
5. Abrasion resistant and corrosion resistant screw set
6. Auto-filling lubricant system



選擇裝置 OPTIONAL EQUIPMENT:

- 彈簧料嘴裝置
- 自動警報裝置
- 特殊液壓單元配置
- 特殊電氣控制單元配置
- 乾燥料斗或自動吸料機
- 抽芯裝置
- 拉鏈機吹氣裝置
- 機械保護裝置
- 電磁快速換模系統
- 液壓快速鎖模系統
- 加長開模行程
- 熱流道時序控制裝置

1. Spring nozzle
2. Auto alarm device
3. Double-proportional pressure and flow control
4. Special dynamo-electric control unit configuration
5. Special hydraulic unit configuration
6. Drawer equipment
7. Zipper machine huff-setting
8. Mechanical Protection Equipments
9. Swift electromagnetic mold-switching system
10. Swift hydraulic mold-clamping system
11. Elongated opening stroke
12. Heat flow's chronological control system

- 熱流道內置集成
- 液壓舉模裝置
- 歐規強制頂針
- 上頂出結構
- 模具溫度顯示(顯示屏內)
- 液壓射嘴
- 氣動料鬥滑塊
- 橫開式安全門
- 特殊原料專用螺桿
- 模腔壓力反饋監測
- 可視分水閥
- 油溫恆溫

13. Heat flow's imbedded integrated circuit
14. Hydraulic mold-heaving device
15. European-standardized compulsory ejector
16. Upper ejection structure
17. Mold temperature monitor
18. Hydraulic nozzle
19. Air-driving slide block of hopper
20. Horizontally-opening safety window
21. Specialized screw for special material
22. Monitor of the pressure of mold's interior
23. Visible water-distributing valve
24. Maintenance of constant oil temperature

液壓單元選配參考 MATCHING REFERENCE FOR HYDRAULIC UNIT

No.	系統名稱 System name	Project 項目	應答性(ms) Responsiveness (ms)	重復性(%) Repeatability (%)	噪音(Hb) Noise (Hb)	節能(%) Energy-saving (%)
A.	PQ開環系統 PQ open-loop system		80	3	75~85	-
B.	精密半閉環系統 Precise semiclosed-loop system		30~75	0.5	45~85	-
C.	省電閉環系統 Electricity-saving closed-loop system		30~75	0.5	65~75	20-40
D.	省電高精度全閉環系統 Electricity-saving high-precise full closed-loop system		30~40	0.3	60~70	40-50
E.	高精度射出全閉環系統 High-precise jetting full closed-loop system		25~35	0.1	75~85	-
F.	SP-ACC高速高精度射出全閉環系統 SP-ACC high-speed and high-precise jetting full closed-loop system		25~35	0.1	75~85	-

A. PQ開環系統 PQ open-loop system

雙比例閥
Double-proportion valve



B. 精密半閉環系統 Precise semiclosed-loop system

BOSCH高應答(半閉)PQ閥
BOSCH High-responsive(semiclosed) PQ valve



C. 省電閉環系統省電20-40% Electricity-saving closed-loop system Electricity-saving 20-40%

BOSCH 電子閉環變量泵
BOSCH Electronic closed-loop variable displacement pump



D. 省電高精度伺服全閉環系統省電40-50% Electricity-saving high-precise full closed-loop system Electricity-saving 40-50%

BOSCH伺服泵
BOSCH Servo pump



E. 高精度射出全閉環系統 重復精度0.1-0.15% High-precise injection full closed-loop system Repeat precision 0.1-0.15%

BOSCH伺服閥
BOSCH Servo valve



F. SP-ACC高速系統 射速600mm/Sec SP-ACC high-speed system Shot rate 600mm/Sec

ACC



電氣控制單元配置選配參考

MATCHING REFERENCE FOR DYNAMO-ELECTRIC CONTROL UNIT CONFIGURATION

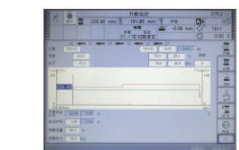
I 控制單元 Control Unit



II 控制單元 Control Unit



III 控制單元 Control Unit



TY系列

TY MODEL SERIES



■ TY-200S



■ TY-350



■ TY-400



■ TY-850



■ TY-850.DS



■ TY-1200



■ TY-400DS



■ TY-400S



■ TY-700S



■ TY-2100S



■ TY-1600DS

TK系列

TK model series



■ TK-700.2R.B



■ TK-700.2R.BMC



■ TK-900



■ TK-900.2R



■ TK-900.4R



■ TK-1600SGOLF



■ TK-3500.2C



■ TK-1600.2R.J.SF

转盘机系列

ROTARY MACHINE SERIES



■ TY-200.2R



■ TY-600.2R



■ TY-850.2R



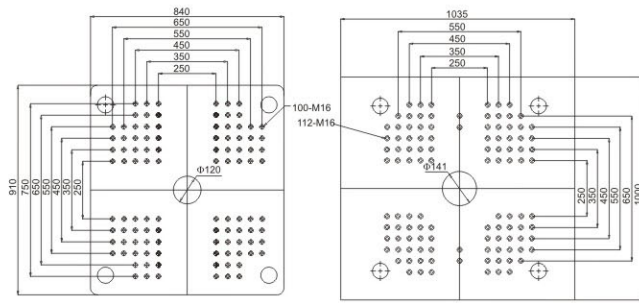
■ TY-1600.2R.J



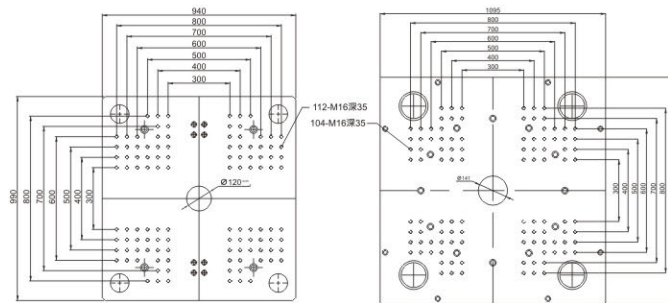
■ TY-5000.2R

模板尺寸 PLATE MEASUREMENT

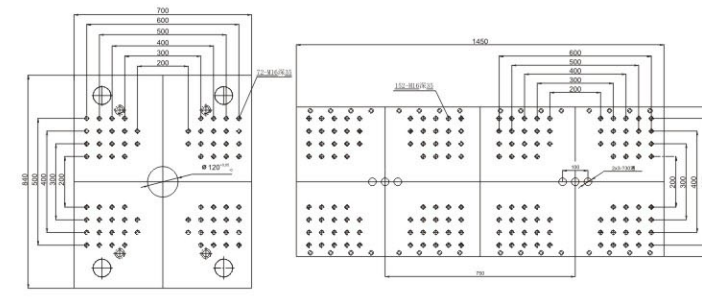
TY-1600



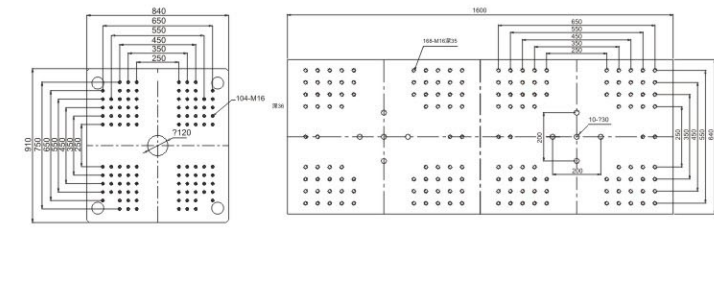
TY-2100



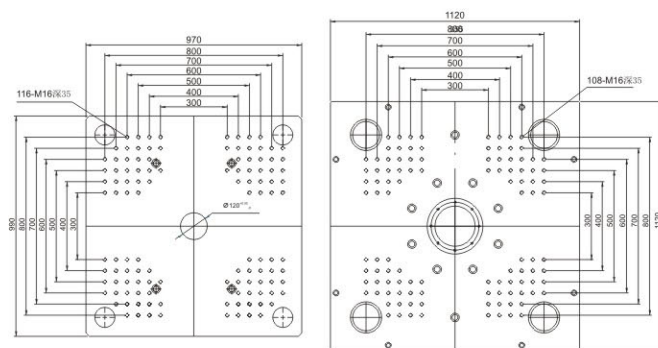
TY-1200DS



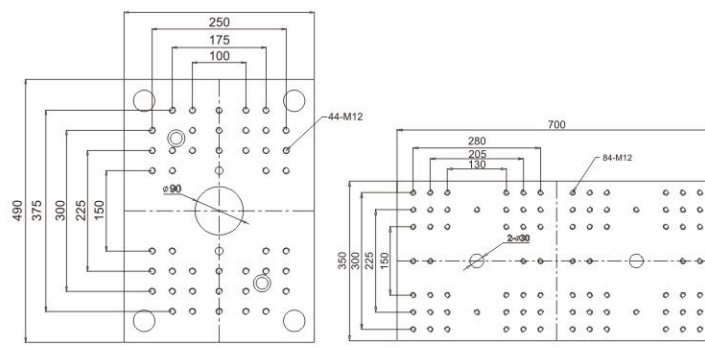
TY-1600DS



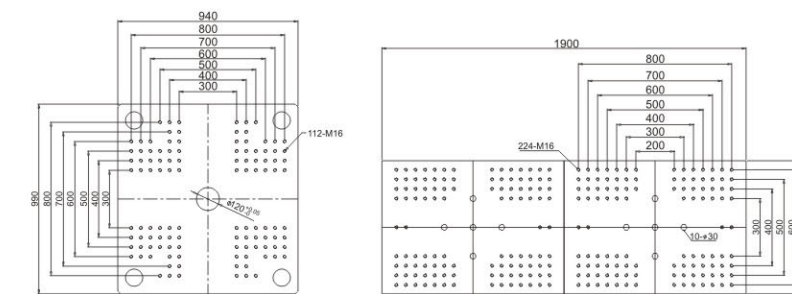
TY-2500



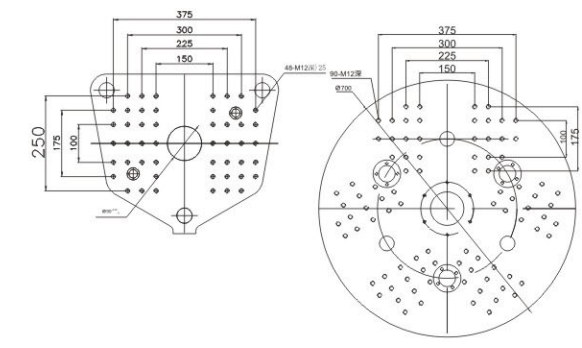
TY-200DS



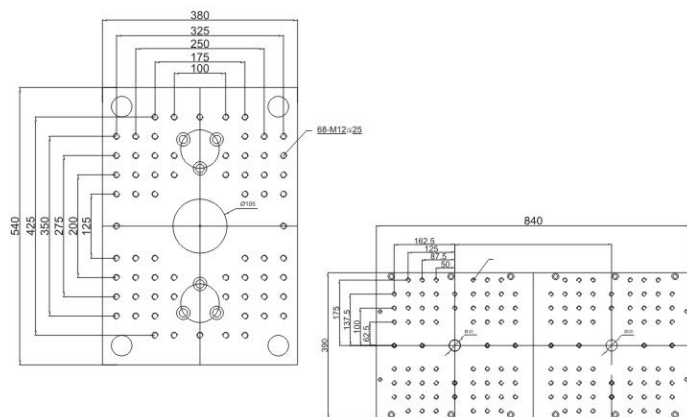
TY-2100DS



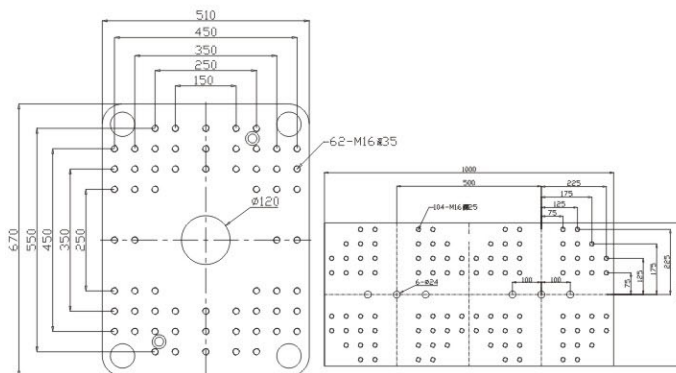
TY-200.3R



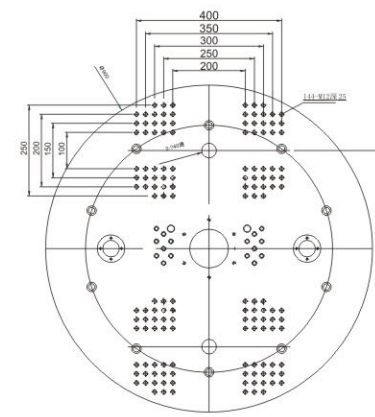
TY-400DS



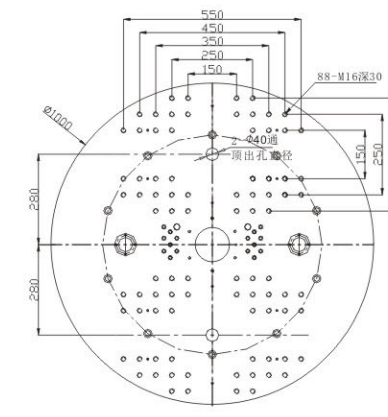
TY-850DS(TY-70DS)



TY(TK)-600.2R

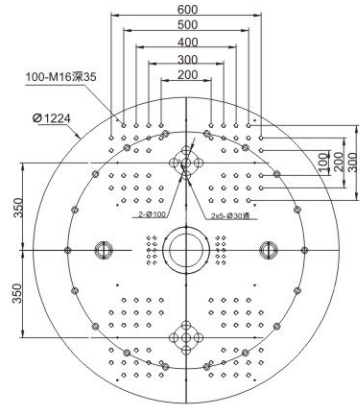


**TY-850.2R(TK)-900.2R
(TY-700.2R)**

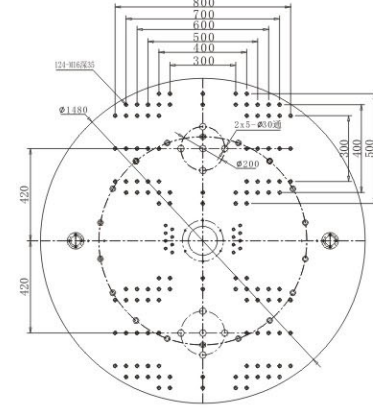


模板尺寸 PLATE MEASUREMENT

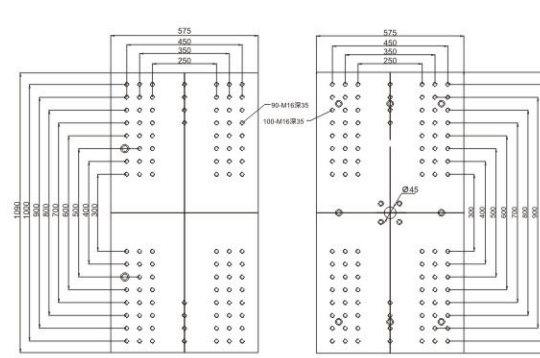
TY (TK) - 1200.2R



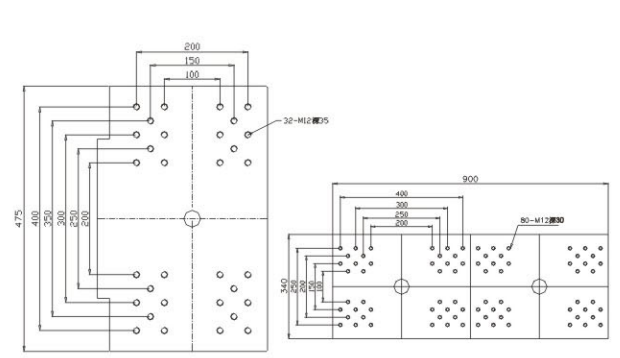
TY (TK) - 1600.2R



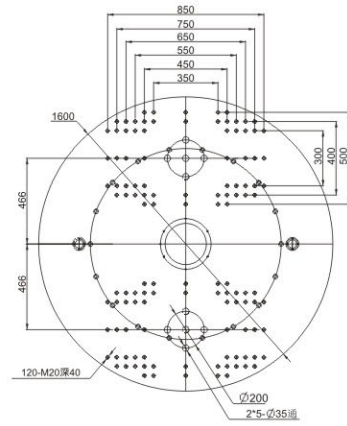
TC-1200



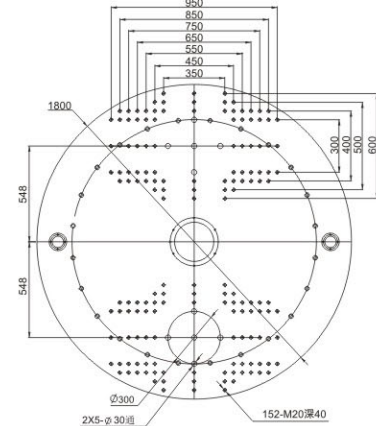
TC-450DS



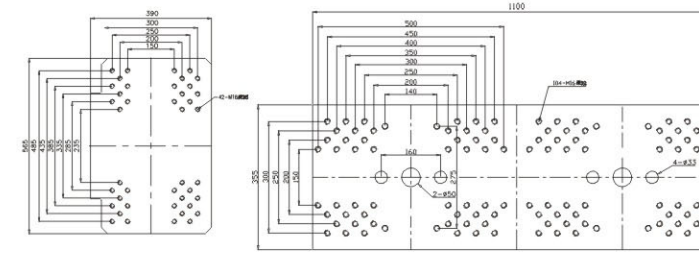
TY (TK) - 2100.2R



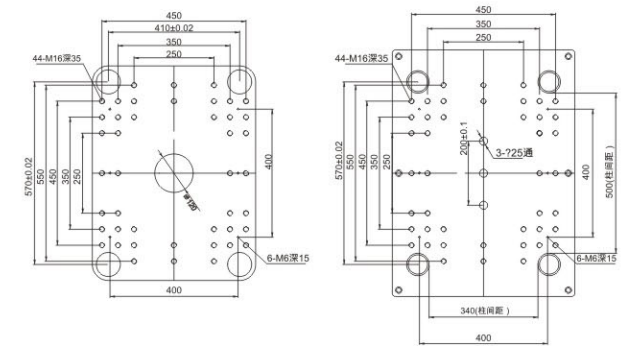
TY (TK) - 2500.2R



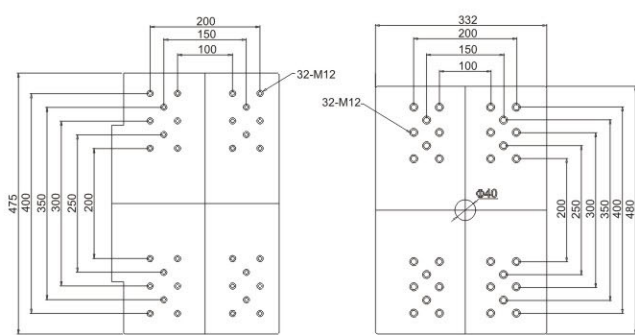
TC-750DS



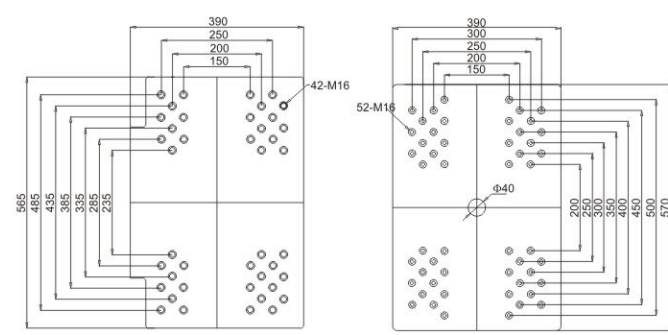
TK-700



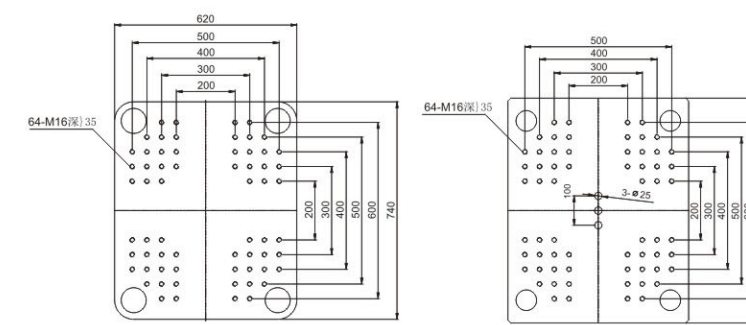
TC-450



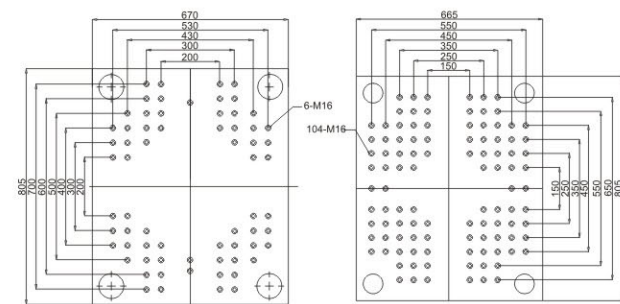
TC-750



TK-900

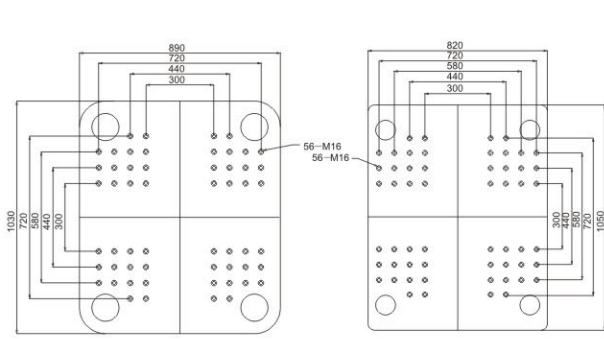


TK-1600

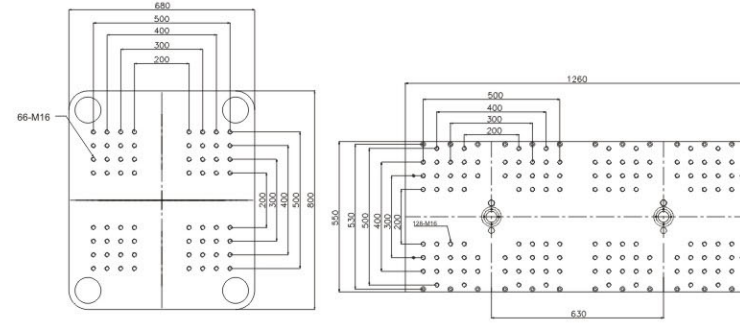


模板尺寸
PLATE MEASUREMENT

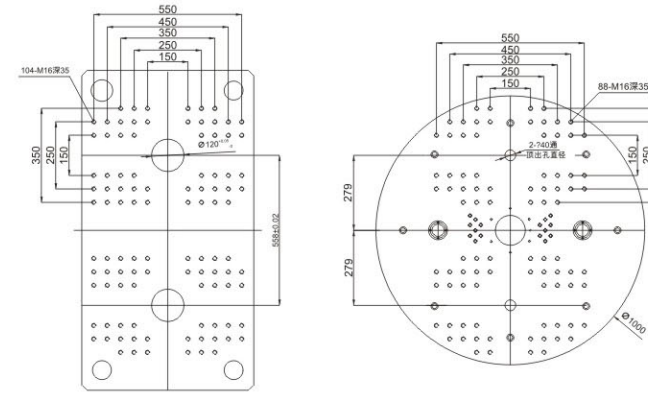
TK-2100



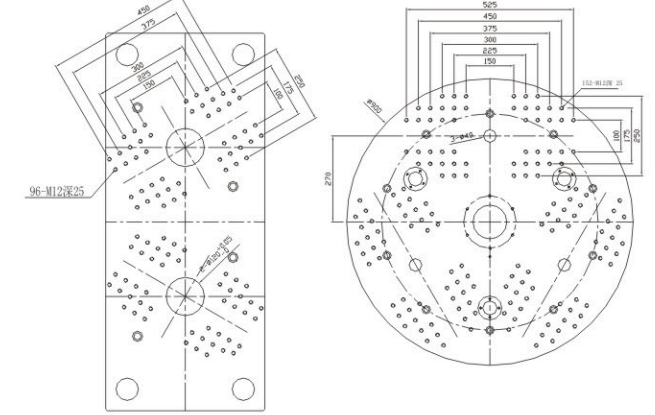
TK-1200DS



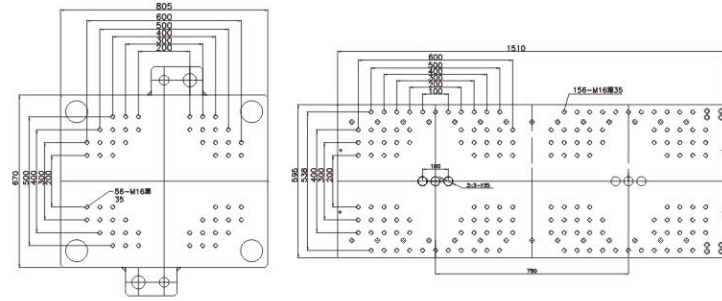
TY-850.2R.2C



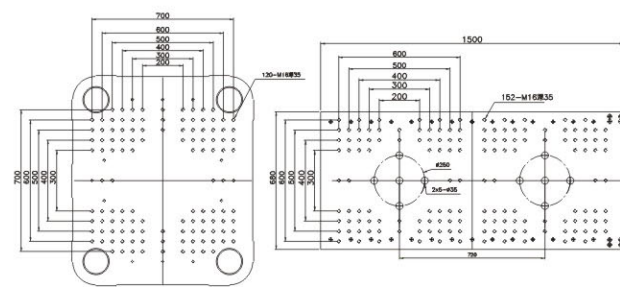
TY-850.3R.2C



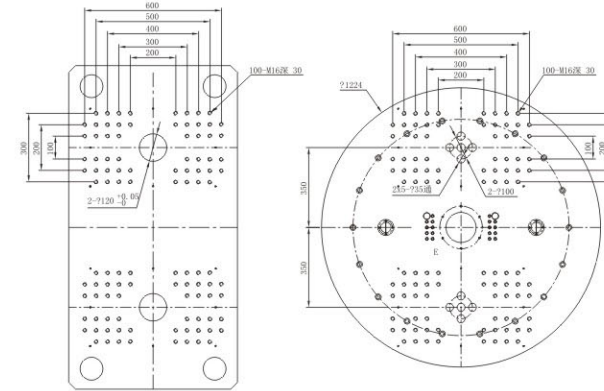
TK-1600DS



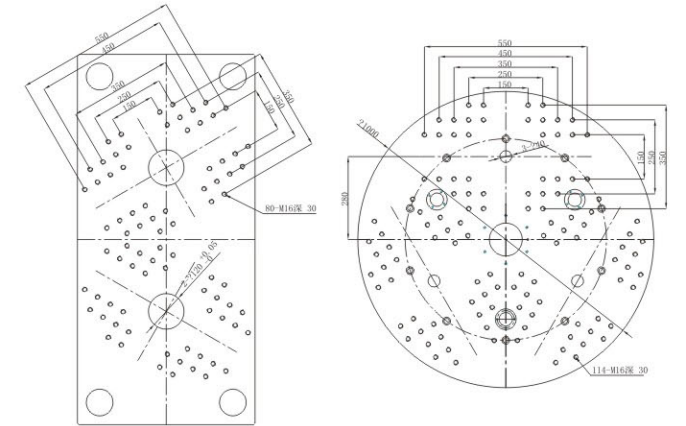
TK-2100DS



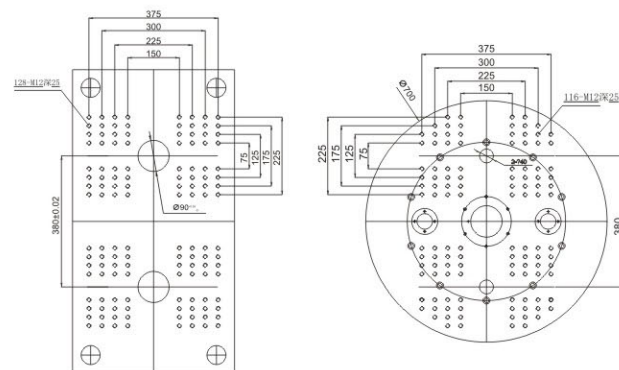
TY-1200.2R.2C



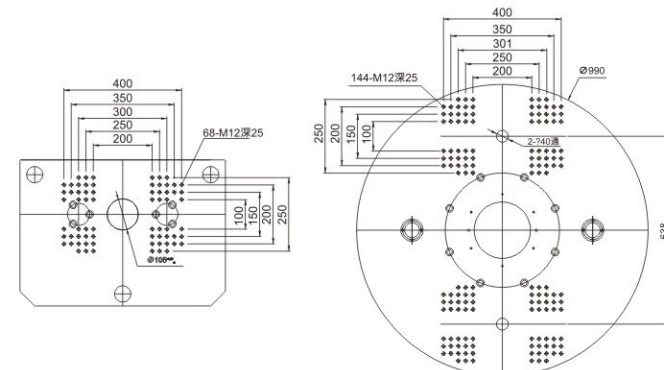
TY-1200.3R.2C



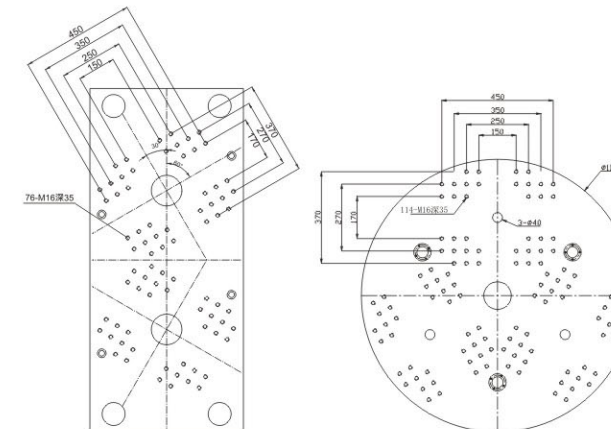
TY-600.2R.2C



TY-1200.2R.2M.2C



TY-1600.3R.2C



TY-2500.3R.2C

