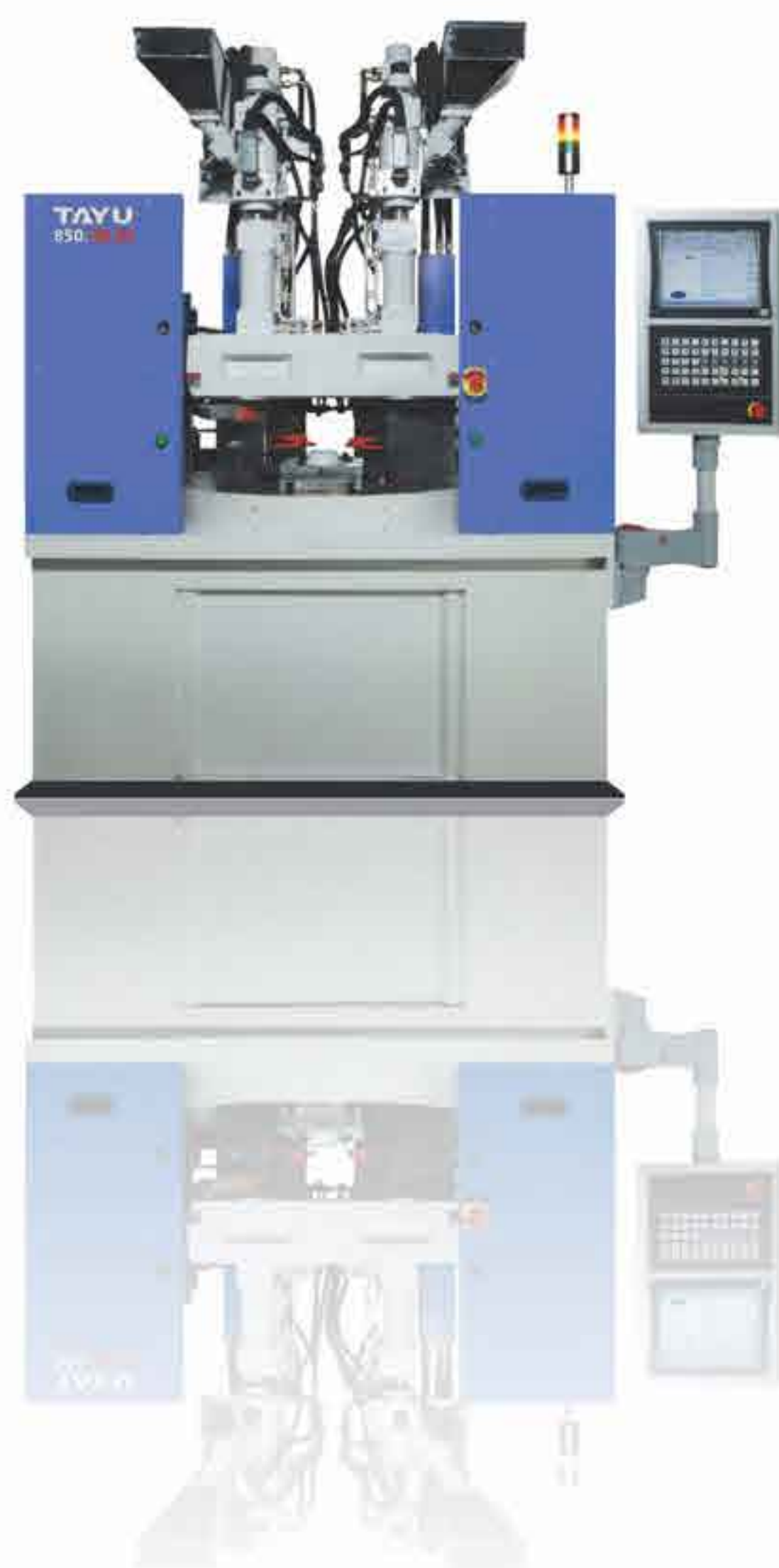




COMPANY INTRODUCTION

Representative TAYU products:

- Full electric vertical injection machine
- Bicolor (multicolor) injection molding machine
- High-speed & high-pressure plastic injection machine
- BMC、bakelite injection molding machine
- Liquid silicon rubber plastic injection machines (LSR)
- TYU series linkage clamping vertical injection machine
- J series energy-saving plastic injection machine



FOCUS ON THE CUSTOMER AND WIN-WIN COOPERATION

4

Characteristics

Adopt the personalized characteristic, the overall development

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.

Wide application capability

The application field contains electron & electrical apparatus, auto parts and, assembly and special equipments for multi-components injection. It is used for the liquid Silicon Rubber (LSR), thermosetting plastic or synthetic rubber processed equipment. And the metal and ceramic powder injection molding improves technical option.

Comprehensive service

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.

Introduce high-end technology and management system,do two things simultaneously.

For many years, 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. The strict quality management of each process is applied from components to finished products. It also produces according to the criteria higher than the internal criteria of this industry, and improves and upgrades the products continuously, so as to make the products infinitely near zero defects. It introduces and implements 5S field management, creates good working environment, and reduces the production cost and promotes the efficiency at the same time.

ELECTRIC INJECTION MOLDING MACHINE, OIL ELECTRIC COMPOSITE INJECTION MOLDING MACHINE

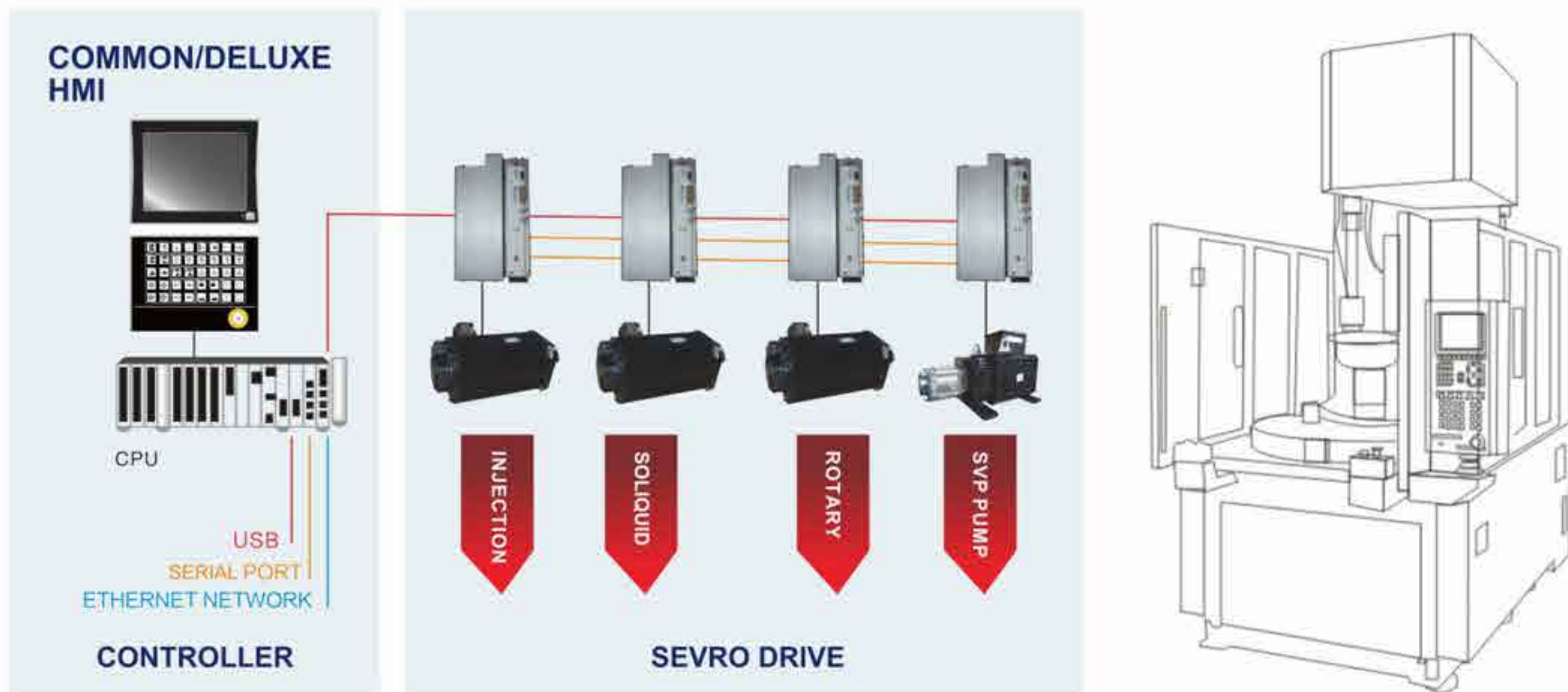
- Space efficiency, work efficiency and time efficiency molding machine has been the pursuit of efficiency in an all-round way.
- Because of these efficiency, has given rise to high-tech products: electric injection molding machine, high speed oil electric composite machine.
- High response injection: the highest rate of 1000 mm/s, meet the need of all kinds of thin wall, precision products injection.

All electric, hydraulic electric composite series

- High precision
- Accurate repeatability
- Minimal energy consumption



*Leading technology
excellent quality*



Oil electricity compound injection molding machine

- 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.
- 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.
- Compared with conventional machine energy saving 40%-70%
- 20 ms or less response injection time, injection speed reaches 1000 mm/s, product weight error 0.5% or less
- Suitable for ultra thin and high precision molding injection products

TY STANDARD SERIES

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



MODEL		UNIT	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-	TY-	TY-S-
			120		200			400			550			700		
Injection system	Screw diameter	mm	φ22	φ25	φ25	φ28	φ32	φ28	φ32	φ36	φ28	φ32	φ36	φ32	φ36	φ42
	Theoretical injection volume	cm ³	40	52	51.5	65	84	73	96	122	73	96	122	144	182	249
	Maximun shot weight (PS)	g/Oz	36/1.3	46/1.3	46/1.6	58/2.0	75/2.6	66/2.3	86/3.0	109/3.8	66/2.3	86/3.0	109/3.8	129/4.5	162/5.7	222/7.8
	Injection pressure	Kg/cm	1627	1260	1814	1446	1107	2169	1662	1313	2169	1662	1313	2180	1723	1266
	Injection rate	cm ³ /s	44	57	39.8	50	65	44	58	73	50	58	73	69	87	119
	Temperature control	ZONE	2		3			3			3			4		
	Material hopper capacity	L	15		15			20			20			30		
Clamping system	Clamping force	ton	12		25			40			55			70		
	Opening force	ton	6.3		6.6			8.3			8.3			13.5		
	Minimun mold height	mm	120		100			150			150			200		
	Opening stroke	mm	160		180			200			200			250		
	Maximun daylight	mm	280		280			350			350			450		
	Mold dimensions	mm	280×145		360×230			415×250			460×310			500×340		
	Ejector stroke	mm	40		40			40			40			50		
Hydraulic electric system	Ejector force	ton	1.3		1.3			1.3			1.3			2.7		
	Maximun hydraulic pressure	Kg/cm	140		140			140			140			140		
	Pump output	L	80		130			160			160			230		
	Pump motor power	KW	4		4			5.5			7.5			7.5		
	Heating capacity	KW	2.1		2.7			4.1			4.1			4.5		
Others	Total wattage	KW	6.1		6.7			9.6			11.6			12		
	Slide table stroke	mm	-	300	-	350	-	420	-	420	-	420	-	500	-	
	Round set diameter	mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Machine dimensions(L×W×H)	m	1.4×0.85×2.35	1.3×1.2×2.4	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				
	Machine weight	ton	0.66	0.7	0.96	1.25	1.6	1.7	1.9	2.1	2.8	3.0				

★ Note: IF there is change about the above specification parameters, please forgive we will not notice

TY-S SINGLE-SLIDE MACHINE SERIES



TY-			TY-S-			TY-			TY-S-			TY-			TY-S-			TY-			TY-S-		
850			1000			1200			1500			2100			2500			3500					
φ32	φ36	φ42	φ42	φ48	φ46	φ52	φ50	φ55	φ55	φ60	φ60	φ65	φ65	φ75									
144	182	249	277	362	365	467	471	570	570	678	706	829	928	1077									
129/4.5	162/5.7	222/7.8	247/8.7	323/11.3	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									
2180	1732	1266	2083	1595	2193	1716	1856	1534	1749	1470	1588	1353	1590	1194									
81	103	140	85	111	123	157	157	190	180	215	189	221	347.6	462.8									
4			4			4			4			5			5								
30			30			30			60			60			60								
85			102			120			210			250			350								
13.5			22.8			16			20			20			13								
200			200			250			300			350			300								
250			250			300			300			400			450								
450			450			550			600			750			750								
500×340			560×360			600×400			660×630			670×720			700×720			830×600					
50			75			75			75			100			150								
2.7			3.9			4.6			6.2			6.5			6.1								
140			140			140			140			140			140								
230			260			480			500			600			700								
11			15			15			21.5			30			37								
4.5			7.5			10.4			12.5			16.8			19.8								
15.5			22.5			25.4			34			46.8			56.8								
-	500		-	600		-	750		-	800		-	950		-	1100		-	1300				
-	-		-	-		-	-		-	-		-	-		-	-		-	-				
2.0×1.3×2.9	2.1×1.1×3.5	2.15×1.35×2.94	2.6×1.2×3.4	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				

TY-DS DOUBLE-SLIDE MACHINE SERIES

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



MODEL		UNIT	TY-DS-120	TY-R-120	TY-DS-200	TY-R-200	TY-DS-400	TY-R-400	TY-DS-550	TY-R-550	TY-DS-700	TY-R-700
Injection system	Screw diameter	mm	φ22	φ25	φ28	φ32	φ32	φ36	φ32	φ36	φ36	φ42
	Theoretical injection volume	cm ³	40	52	65	84	96	122	96	122	182	249
	Maximun shot weight (PS)	g/Oz	36/1.3	46/1.3	58/2.0	75/2.6	86/3.0	109/3.8	86/3.0	109/3.8	162/5.7	222/7.8
	Injection pressure	Kg/cm	1627	1260	1446	1107	1662	1313	1662	1313	1723	1266
	Injection rate	cm ³ /s	44	57	50	65	58	73	58	73	87	119
	Temperature control	ZONE	2		3		3		3		4	
	Material hopper capacity	L	15		15		20		20		30	
Clamping system	Clamping force	ton	12		25		40		55		70	
	Opening force	ton	6.3		6.6		8.3		8.3		13.5	
	Minimun mold height	mm	120		100		150		150		200	
	Opening stroke	mm	160		180		200		200		250	
	Maximun daylight	mm	280		280		350		350		450	
	Mold dimensions	mm	280 × 145		360 × 230		415 × 250		460 × 310		500 × 340	
	Ejector stroke	mm	40		40		40		40		50	
Hydraulic electric system	Ejector force	ton	1.3		1.3		1.3		1.3		2.7	
	Maximun hydraulic pressure	Kg/cm ²	140		140		140		140		140	
	Pump output	L	80		130		160		160		230	
	Pump motor power	KW	4		4		5.5		7.5		7.5	
	Heating capacity	KW	2.1		2.7		4.1		4.1		4.5	
Others	Total wattage	KW	6.1		6.7		9.6		11.6		12	
	Slide table stroke	mm	300	-	350	-	420	-	420	-	500	-
	Round set diameter	mm	-	φ580	-	φ680	-	φ860	-	φ900	-	φ1000
	Machine dimensions(L × W × H)	m	1.6 × 1.4 × 2.4	1.1 × 0.8 × 2.6	1.8 × 0.9 × 2.7	1.2 × 1.6 × 2.6	1.9 × 1.1 × 2.7	2.0 × 1.6 × 2.8	2.4 × 0.9 × 2.7	2.0 × 1.2 × 2.7	2.3 × 1.1 × 3.4	1.9 × 1.3 × 3.0
	Machine weight	ton	0.73	0.75	1.5	1.6	1.95	3.2	2.4	3.2	2.9	3.4

★ Note: IF there is change about the above specification parameters, please forgive we will not notice

TY-R ROTARY MACHINE SERIES



TY-DS-	TY-R-	TY-DS-	TY-R-	TY-DS-	TY-R-	TY-DS-	TY-R-	TY-DS-	TY-R-	TY-DS-	TY-R-	TY-DS-	TY-R-
850		1000		1200		1500		2100		2500		3500	
φ36	φ42	φ42	φ48	φ46	φ52	φ50	φ55	φ55	φ60	φ60	φ65	φ65	φ75
182	249	277	362	365	467	471	570	570	678	706	829	928	1077
162/5.7	222/7.8	247/8.7	323/11.3	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	2083	1595	2193	1716	1856	1534	1749	1470	1588	1353	1590	1370
103	140	85	111	123	157	157	190	180	215	189	221	185.6	215.4
4		4		4		4		4		5		5	
30		30		30		30		60		60		60	
85		102		120		155		210		250		350	
13.5		22.8		16		18		20		20		13	
200		200		250		300		350		350		300	
250		250		300		300		400		400		450	
450		450		550		600		750		750		750	
500 × 340		560 × 360		600 × 400		660 × 630		670 × 720		700 × 720		830 × 600	
50		75		75		75		75		100		150	
2.7		3.9		4.6		5.4		6.2		6.5		6.1	
140		140		140		140		140		140		140	
230		260		480		500		535		600		700	
11		15		15		18.5		21.5		30		37	
4.5		7.5		10.4		10.5		12.5		16.8		19.8	
15.5		22.5		25.4		29		34		46.8		56.8	
500	-	600	-	750	-	800	-	950	-	1100	-	1300	-
-	φ1000	-	φ1200	-	φ1224	-	φ1480	-	φ1800	-	φ2000	-	φ2000
2.3 × 1.1 × 3.2	2.0 × 1.4 × 3.0	2.6 × 1.2 × 3.4	2.3 × 1.7 × 3.5	2.9 × 1.2 × 3.7	2.3 × 1.7 × 3.8	3.7 × 1.2 × 4.1	3.1 × 1.7 × 4.1	4.3 × 1.3 × 4.7	3.6 × 2.0 × 4.7	5.2 × 1.6 × 4.9	3.8 × 2.2 × 4.9	5.5 × 1.9 × 5.1	3.8 × 2.2 × 5.1
3.7	4.1	4.8	5	6.9	7	7.6	7.9	9.8	10	10.7	11	13.2	13.1

TC-SINGLE SLIDE SERIES

Vertical-type clamping, tiebarless three-sides open, clamping force from 12ton to 130ton, shot weight from 80g to 8000g,



MODEL		UNIT	TC-	TC-S-	TC-DS-	TC-R-	TC-	TC-S-	TC-DS-	TC-R-	TC-
			120				200				
Injection system	Screw diameter	mm	φ22		φ25		φ28		φ32		φ32
	Theoretical injection volume	cm ³	40		52		65		84		120
	Maximun shot weight (PS)	g/Oz	36/1.3		46/1.3		58/2.0		75/2.6		108/3.8
	Injection pressure	Kg/cm ²	1627		1260		1785		1367		1531
	Injection rate	cm ³ /s	44		57		53		70		72
	Temperature control	ZONE	2				3				
	Material hopper capacity	L	15				15				
Clamping system	Clamping force	ton	14				30				
	Opening force	ton	6				14				
	Minimun mold height	mm	120				310				
	Opening stroke	mm	150				490				
	Maximun daylight	mm	270				800				
	Mold dimensions	mm	-				-				
	Nozzle center height	mm	-				-				
	Ejector stroke	mm	70				75				
	Ejector force	ton	1				2				
Hydraulic electric system	Maximun hydraulic pressure	Kg/cm ²	140				140				
	Pump output	L	80				130				
	Pump motor power	KW	4				5.5				
	Heating capacity	KW	2.1				2.7				
	Total wattage	KW	6.1				8.2				
Others	Slide table stroke	mm	-	300	300	-	-	350	350	-	-
	Round set diameter	mm	-	-	-	φ580	-	-	-	φ680	-
	Machine dimensions(L × W × H)	m	1.3×0.8×2.3	1.3×1.2×2.4	1.6×1.4×2.4	1.1×0.8×2.6	1.6×1.1×3.2	1.6×1.6×3.2	1.6×1.8×3.2	1.6×0.8×3.2	2.2×0.8×2.1
	Machine weight	ton	0.66	0.7	0.73	0.75	0.96	1.25	1.5	1.6	3

★ Note: IF there is change about the above specification parameters, please forgive we will not notice

TC-DOUBLE SLIDE SERIES



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-
450				750				850				1200		
φ36		φ45	φ36	φ40	φ45	φ36	φ40	φ45	φ36	φ40	φ45	φ46		φ52
152		238	172	213	270	172	213	270	172	213	270	365		467
1.36/4.8		213/7.5	154/5.4	190/6.7	241/8.5	154/5.4	190/6.7	241/8.5	154/5.4	190/6.7	241/8.5	325/11.4		415/14.6
1210		774	1620	1313	1037	1620	1313	1037	1620	1313	1037	2193		1716
91		143	109	135	171	109	135	171	109	135	171	123		157
4				4				4				4		
30				60				60				60		
45				75				85				120		
8.3				11.5				17				16		
175				200				200				250		
200				270				270				300		
375				470				470				550		
-				-				-				-		
150±20				170±20				170±20				200±20		
90				90				90				90		
1.8				2.7				2.7				4.6		
140				140				140				140		
180				280				280				480		
7.5				11				11				15		
6.35				10.45				10.45				10.4		
13.85				21.45				21.45				25.4		
450	450	-	-	570	570	-	-	570	570	-	-	750	750	-
-	-	φ820	-	-	-	φ920	-	-	-	φ920	-	-	-	φ1300
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
3.1	3.5	3.5	4.8	4.9	5.1	5	4.8	4.9	5.1	5	6	6.2	6.3	6.3

TK-SINGLE SLIDE SERIES

Vertical-type four-column clamping, horizontal-type, clamping force from 90 ton - 2500 ton, Shot weight from 180g - 8000g, ratio-type pressure, flow and oil-way control, strong mechanical structure, high pressure, fast speed, suitable for processing of large embedded products.



MODEL		UNIT	TK-	TK-DS-	TK-R-	TK-	TK-DS-	TK-R-	TK-	TK-DS-	TK-R-
			900			1200			1500		
Injection system	Screw diameter	mm	Φ36	Φ40	Φ45	Φ46	Φ52	Φ45	Φ50	Φ55	
	Theoretical injection volume	cm ³	172	213	270	365	467	381	471	570	
	Maximun shot weight (PS)	g/Oz	154/5.4	190/6.7	241/8.5	325/11.4	415/14.6	340/11.9	420/14.8	509/17.9	
	Injection pressure	Kg/cm	1620	1313	1037	2193	1716	2291	1856	1534	
	Injection rate	cm ³ /s	109	135	171	123	157	127	157	190	
	Temperature control	ZONE	4			4			4		
	Material hopper capacity	L	60			60			60		
Clamping system	Clamping force	ton	90			120			150		
	Opening force	ton	7.25			7.25			7.25		
	Minimun mold height	mm	250			250			250		
	Opening stroke	mm	300			300			350		
	Maximun daylight	mm	550			550			600		
	Mold dimensions	mm	125±20			570×450			600×460		
	Nozzle center height	mm	/			160±20			180±20		
Hydraulic electric system	Ejector stroke	mm	75			100			115		
	Ejector force	ton	3.9			4.6			5.4		
	Maximun hydraulic pressure	Kg/cm	140			140			140		
	Pump output	L	300			480			480		
	Pump motor power	KW	11			15			18.5		
Others	Heating capacity	KW	6.5			10.4			14.65		
	Total wattage	KW	17.5			25.4			33.15		
	Slide table stroke	mm	/			-	750	750	-	620	620
	Round set diameter	mm	/			-	-	-	Φ1300	-	-
	Machine dimensions(L×W×H)	m	3.5×1.45×2.5			30×12×29	30×26×29	30×30×29	30×16×29	32×11×29	32×26×29
	Machine weight	ton	4.2			6.8	7	7.1	7.2	7.2	7.4
										7.5	7.5

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TK-DOUBLE SLIDE SERIES



TK-	TK-DS-	TK-R-	TK-	TK-DS-	TK-R-	TK-	TK-DS-	TK-R-	TK-	TK-DS-	TK-R-	TK-	TK-DS-	TK-R-					
2100			2500			3500			4000			5000							
φ50	φ55	φ60	φ50	φ55	φ60	φ60	φ65	φ70	φ55	φ60	φ70	φ70	φ75	φ80					
549	664	791	491	594	706	791	928	1077	950	1131	1539	1847	2121	2413					
490/17.3	593/21	706/24.9	438/15.4	530/18.7	630/22.2	705/24.8	829/29.2	961/33.8	893/31.4	1063/37.4	1447/50.9	1648/58	1893/66.8	2153/76					
2280	1890	1588	2280	1890	1588	1866	1590	1370	2952	2481	1823	2057	1792	1575					
122	159	189	122	159	189	158	185.6	215.4	190	226	308	323	371	422					
4			5			5			5			5							
60			60			60			60			60							
210			250			350			400			500							
9.2			9.2			13			15			15							
300			300			300			350			450							
400			450			450			600			700							
700			750			750			950			1150							
700×560			735×600			830×600			900×680			1000×750							
200±20			200±20			200±20			200±20			200±20							
115			150			150			200			200							
5.4			6.1			6.1			7			7							
140			140			140			140			140							
535			600			700			700			800							
22			30			37			41			48							
15			17.5			19.8			19.8			22							
37			47.5			56.8			60.8			70							
-	720	720	-	-	1100	1100	-	-	1300	1300	-	-	1350	1350	-	-	1350	1350	-
-	-	-	φ1572	-	-	-	φ1572	-	-	-	φ1680	-	-	-	φ1680	-	-	-	φ1880
38×12×31	38×28×31	42×265×32	38×22×31	48×16×36	48×32×36	48×35×36	48×24×36	54×20×40	54×34×40	54×38×40	54×28×40	55×37×40	55×37×42	55×40×42	64×40×42	58×37×44	58×42×45	59×42×45	59×42×46
9.9	10	10.2	10.3	11.2	12	12.4	12.3	12.9	13	13.2	13.1	13.6	14.3	12.4	14.2	15	15.4	15.8	15.6

DOUBLE COLOR INJECTION MACHINE

Two sets of feed pipes fit one set of compound nozzle, double-colored 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 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.



VERTICAL INJECTION SYSTEM

DESCRIPTIO		UNIT	SERIES																							
			A		B			C			D			E			F			G			H			
Machine Type	Screw diameter	mm	φ20	φ22	φ22	φ25	φ28	φ25	φ28	φ32	φ32	φ36	φ42	φ42	φ46	φ50	φ45	φ50	φ55	φ50	φ55	φ60	φ55	φ60	φ65	
	Injection pressure	Kg/cm²	2834	2342	2242	1813	1446	2723	2170	1662	2180	1723	1266	2630	2193	2017	2062	1856	1534	2116	1749	1470	1889	1588	1353	
	Theoretical injection volume	cm³	31	38	40	51	65	59	74	96	143	182	249	304	365	396	381	471	570	510	617	735	677	806	945	
	Maximun shot weight(PS)	g/Oz	29/1.0	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	
	Injection rate	cm³/sec	26	32	33	42	53	49	61	80	72	91	124	135	163	176	151	186	226	177	214	255	225	269	315	
	Injection stroke	mm	100		100			120			180			220			220			260			280			
	Temperature control	ZONE	3		3			3			3			4			4			4			5			
	Heating capacity	KW	2.7		2.7			4.1			4.5			10.4			10.4			12.5			16.8			

★ Note: IF there is change about the above specification parameters, please forgive we will not notice

- Rotary bi-color injection machine series
clamping force from: 55ton-500 ton,
shot weight: 2 × 68g -2 × 740g
- Fixed bi-color injection machine series
clamping force from: 25ton-500 tons,
shot weight: 2 × 30g -2 × 740g
- Mixed bi-colored (cloud color) series
clamping force from: 40ton-350 ton,
shot weight: 2 × 68g- 2 × 509g



VERTICAL CLAMP SYSTEM

Machine Type		UNIT	TY500-2R-2C		TY850-2R-2C		TY1200-2R-2C		TY1500-2R-2C		TY2100-2R-2C		TY2500-2R-2C		TY3000-2R-2C		TY4000-2R-2C		TY5000-2R-2C	
Option Injection System		Series No.	I		II		I		II		I		II		I		II		I	
			A	AB	ABC	ABC	ABC	ABC	BCD	BCD	BCD	BCD	CDE	CDE	DEF	DEF	DEFG	DEFG	EFGH	EFGH
Clamping system	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)	
	Opening force	ton	8.3		13.5		15		17.3		19		21		23		30		35	
	Round set diameter	mm	680		780		980		1100		1180		1360		1500		1600		1810	
	Minimum mold height	mm	150/200		200/250		220/300		250/330		280/390		300/400		350/450		350/450		400/500	
	Opening stroke	mm	200		250		250		300		350		400		400		450		500	
	Ejector force	ton	2.5		2.5		3.9		3.9		3.9		4.5		4.5		5.5		60	
	Ejector stroke	mm	50		50		75		75		75		100		100		120		120	
Hydraulic electric system	Maximum hydraulic pressure	Kg/cm ²	140		140		140		140		140		140		140		140		140	
	Oil tank capacity	L	180		250		310		340		360		450		600		650		750	
	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)	
Others	Machine weight	ton	2.8		4.3		5.1		8.2		11.6		14.6		19.3		22		28	
	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	

THERMOSET BAKELITE SERIES

TAYU is brave to challenge the highest peak of thermoset (Bakelite,BMC) jetting moulding thermonuclear,breaks through the technical limit and stably stands in the industry.Clamping Force 25-350T,Shot weight 50-3000g



	型號	UNIT	TK-BMC-		TK-BMC-	
			400		550	
Injection system	Screw Diameter	mm	Φ32	Φ36	Φ32	
	Theoretical Injection Volume	cm ³	120	152.6	120	
	Shot Weight	g/Oz	143/5	181.5/6.4	143/5	
	Injection Rate	cm ³ /sec	71	90.6	71	
	Injection Pressure	Kg/cm ²	1531	1209	1531	
	Injection Speed	mm/s	89		89	
	Material Hopper Capacity	L	10		10	
Clamping system	Clamping Force	T	40		5.5	
	Opening Force	T	8.3		8.3	
	Minimum Mold Height	mm	250		250	
	Opening Stroke	mm	200		200	
	Maximum Daylight	mm	450		450	
	Mold Dimension	mm	415 x 250		415 X 250	
	Nozzle Center Height	mm	150-200		150-200	
	Nozzle Center Distance	mm	75		75	
	Eject Force	T	1.3		1.3	
	Eject Stroke	mm	40		40	
	Maximum hydraulic pressure	kg/cm ²	140		140	
Hydraulic electric system	Pump output	L	160		160	
	Pump motor power	KW	7.5		7.5	
	Heating capacity	KW	/		/	
	Total wattage	KW	7.5		7.5	
	Machine Weight	T	2.8		2.9	
Others	Machine Dimension(L x W x H)	m	3.0 x 1.2 x 2.3		3.0 x 1.2 x 2.3	

★ Note: IF there is change about the above specification parameters,please forgive we will not notice

THERMOSET BMC SERIES



	TK-BMC-		TY-BMC-		TK-BMC-		TK-BMC-	
	700		850		1200		1500	
φ36	φ40	φ45	φ40	φ45	φ50	φ55	φ55	φ60
152.6	213	270	213	270	471	569	569	678
181.5/6.4	254/8.9	321.5/11.3	254/8.9	321.5/11.3	560/19.7	678/23.9	678/23.9	807/28.4
90.6	135	171	135	171	157	190	190	226
1209	1312	1037	1312	1037	1856	1534	1534	1289
	107		107		80		80	
	15		15		30		30	
	70		85		120		150	
	7.25		7.25		9.6		14	
	300		300		325		350	
	250		250		300		350	
	550		550		625		700	
	500X340		500x340		570x450		600 X 460	
	150-200		150-200		235-335		250-350	
	100		100		125		125	
	2.7		2.7		4.6		5.4	
	75		75		100		115	
	140		140		140		140	
	240		240		480		480	
	11		11		18.5		18.5	
	/		/		/		/	
	11		11		18.5		18.5	
	4.5		4.7		8.2		8.9	
4	3.2×1.2×2.7		3.2x1.4x2.7		3.4 x 1.5 x 3.4		3.5x1.6x3.5	

TYU SERIES

A new masterpiece of "TAYU"

Vertical injection molding machines for covering position small, low energy consumption, easy inserts molding was widely used, but the clamping force big, machine height has subsequently heighten, especially vertical injection vertical locking whole set vertical machine, not only need machine factory super-high but also tie-in appropriate workbench, operation highly inconvenient, also neither machine production environment by many constraints.

The advent of TAYU's new "TYU" series linkage mould clamping vertical plastic injection moulding machine solves this problem at the root. It effectively reduces the height of work top and the machine. Therefore, the problem which has troubled the vertical plastic injection moulding machine industry for many years is broken through, and bring new innovation to plastic machinery industry.



● TYU-R

Clamping force 100~1000T

Shot weight 100~2000g



● TYU-R



● TYU-S

AUTOMATIC INJECTION MOLDING MACHINE



B Material

A Material

**Automatic
Flush Out**



APPLICATION EXTENSION

Application of individualized plan:

Through full analysis products are developed and applied with pertinency, so as to highlight the outstanding performances, such as high efficiency and cost saving.

1.The project or production unit satisfies all the individualized solutions with various kinds of requirements through compound plastic jetting-moulding machine, arm-and-hand system and peripheral devices.

2.Generally, the jetting-moulding technology which needs several steps to complete shall be completed by the same equipment or all the previous and subsequent working procedures of the jetting-moulding process shall operate automatically.

3.TAYU Company provides customers with individualized and complete solutions in this field from project planning, development of applied technologies and field implementation and operation to overall service.

4.TAYU Company takes full charge of the planning, implementation and functions of the production unit.



- **TY-APC Series**

Automatic pull (LED) and transmission belt continuous moulding machine



- **Precise minim high-speed machine**



- **horizontal type clamping vertical-type injection molding machine**



- **Full automatic slide zipper machine**



- **Automatic Dental Floss Machine**



- **Special-purpose Machine For Automobile Stamping Steel Ribbon**



- **Special Machine For Pre-branching Cable**

LSR SPECIAL MACHINE SERIES



LSR liquid silica gel molding machines

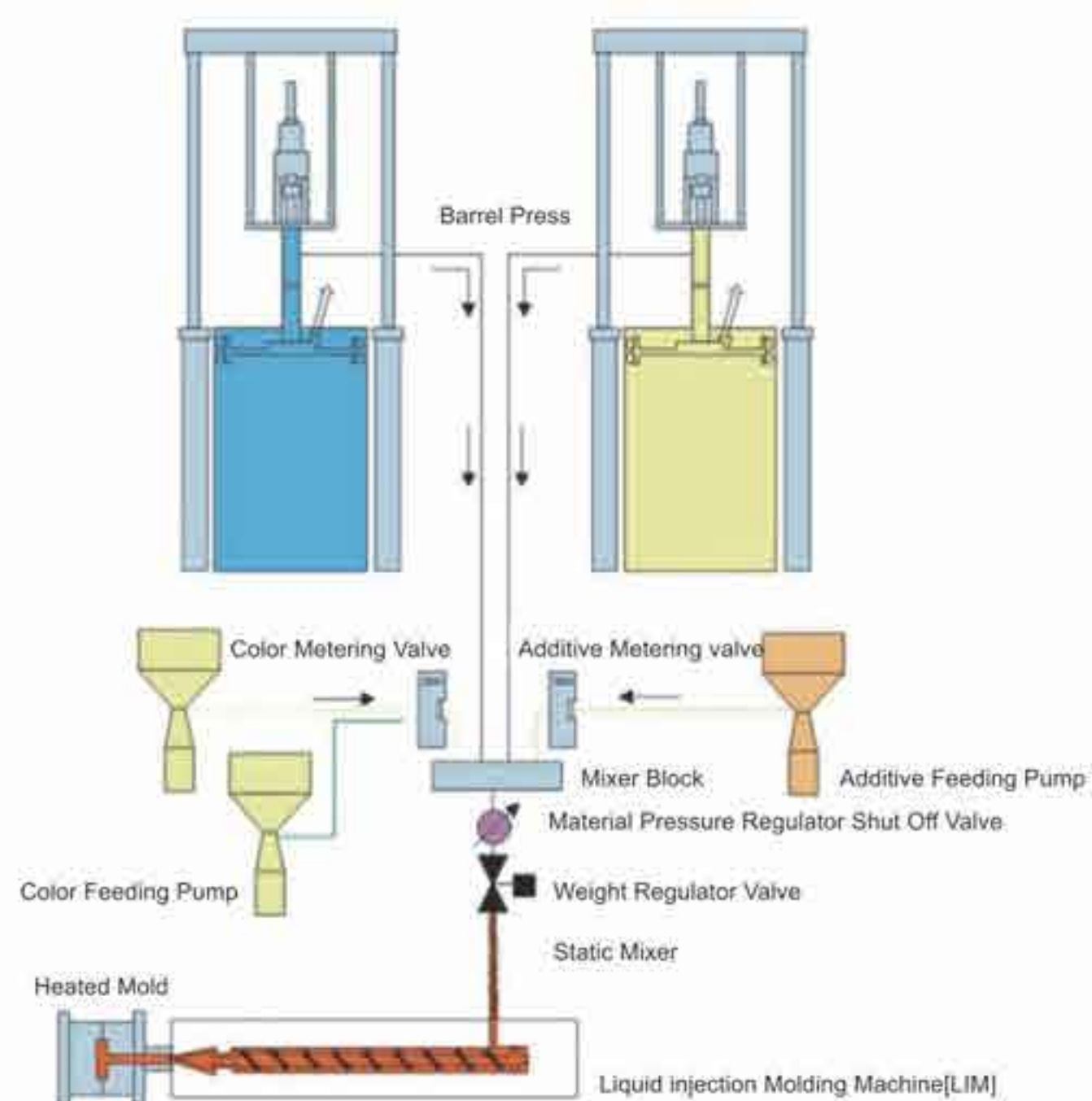
With years improvement, TAYU has possessed manufacturing technology and experience of various silica gel molding machines and the application of TAYU products has expanded to many fields such as medical products, kitchen articles, lady and baby articles, electron and electrical appliances, sports articles, etc and penetrated markets with outstanding high price-performance ratio and rich resource allocation.



● Automatic measure equipment



System Scheme of an LIM Metering Unit



CE SERIES

All series products of TAYU have won CE Certificate. CE series machines are the augmented products of TAYU on the stable basis of many years' manufacture. The taking and putting area for components adopts ergonomic design, and all sections have safety protection devices to prevent accidents.



● **TY-550.CE**



● **TY-850.2R.CE**

Except applying the relevant criteria to all the products to be exported to Europe, TAYU also introduces part of the concept into other products, so as to further improve the security of products.

PERFORMANCE & EQUIPMENT

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 if for easy replacement of material and mold.

STANDARD EQUIPMENT:

1. Safety sensor
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. Proportional pressure and flow control valves
10. Auto clean equipment

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.

OPTIONAL EQUIPMENT:

1. Spring nozzle
2. Auto alarm device
3. Optics-ruler equipment
4. Hopper dryer, auto loader
5. Double-proportional pressure and flow control
6. Special dynamo-electric control unit configuration
7. Special hydraulic unit configuration
8. Drawer equipment
9. Zipper machine huff-setting
10. Zipper Safety Grating Equipments
11. Mechanical Protection Equipments

MATCHING REFERENCE FOR DYNAMO-ELECTRIC CONTROL UNIT CONFIGURATION

I Control Unit



II Control Unit



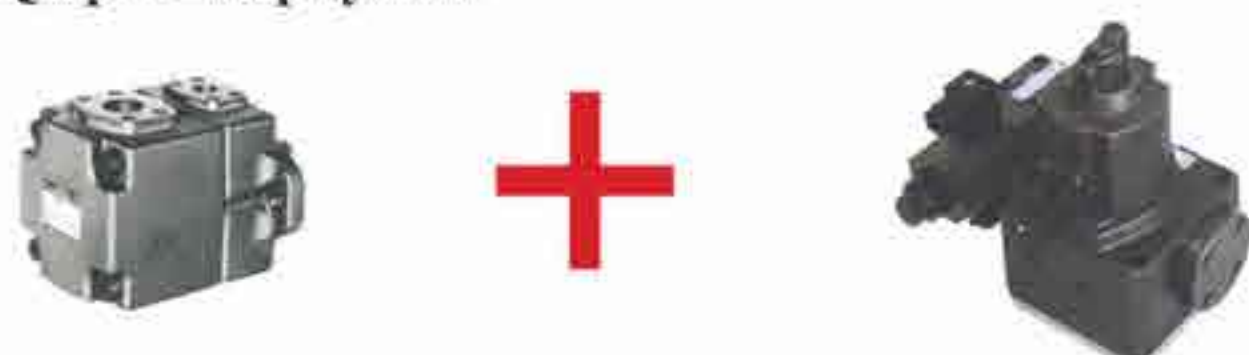
III Control Unit



MATCHING REFERENCE FOR HYDRAULIC UNIT

No.	System name	Project	Responsiveness (ms)	Repeatability (%)	Noise (Hb)	Energy-saving (%)
A.	PQ open-loop system		80	3	75~85	-
B.	Precise semiclosed-loop system		30~75	0.5	45~85	-
C.	Electricity-saving closed-loop system		30~75	0.5	65~75	20-40
D.	Electricity-saving high-precise full closed-loop system		30~40	0.3	60~70	40-50
E.	High-precise jetting full closed-loop system		25~35	0.1	75~85	-
F.	SP-ACC high-speed and high-precise jetting full closed-loop system		25~35	0.1	75~85	-

A.PQ open-loop system



YUKEN Proportional pump

Double-proportion valve

B.Electricity-saving closed-loop system

Electricity-saving

BOSCH Electronic closed-loop variable displacement pump



C.Precise semiclosed-loop system



YUKEN Proportional pump

BOSCH High-responsive (semiclosed) PQ valve

D.Electricity-saving high-precise full closed-loop system

Electricity-saving



BOSCH Servo pump

E.High-precise injection full closed-loop system

Repeat precision



YUKEN Proportional pump

YUKEN Double-proportion valve

BOSCH Hydraulic valve

F.SP-ACC high-speed and high-precise injection full closed-loop system

Shot rate



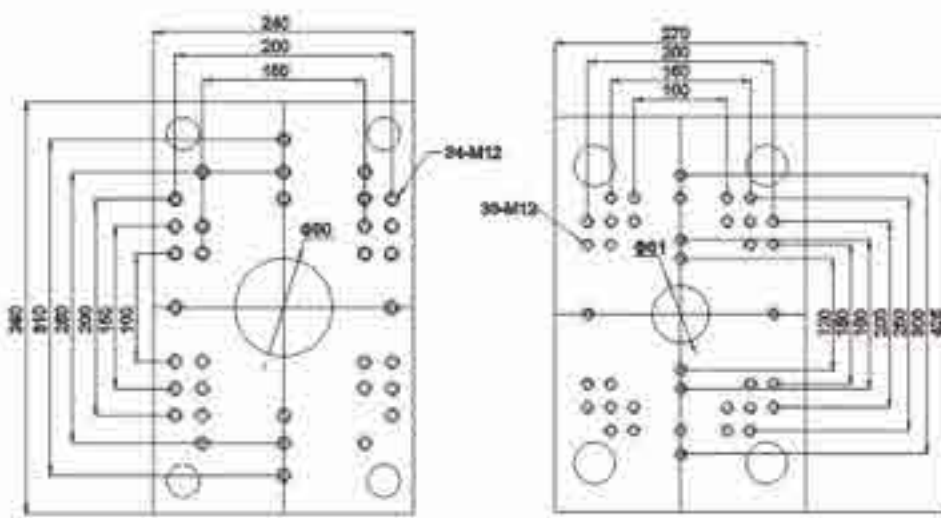
YUKEN Proportional pump

YUKEN Double-proportion valve

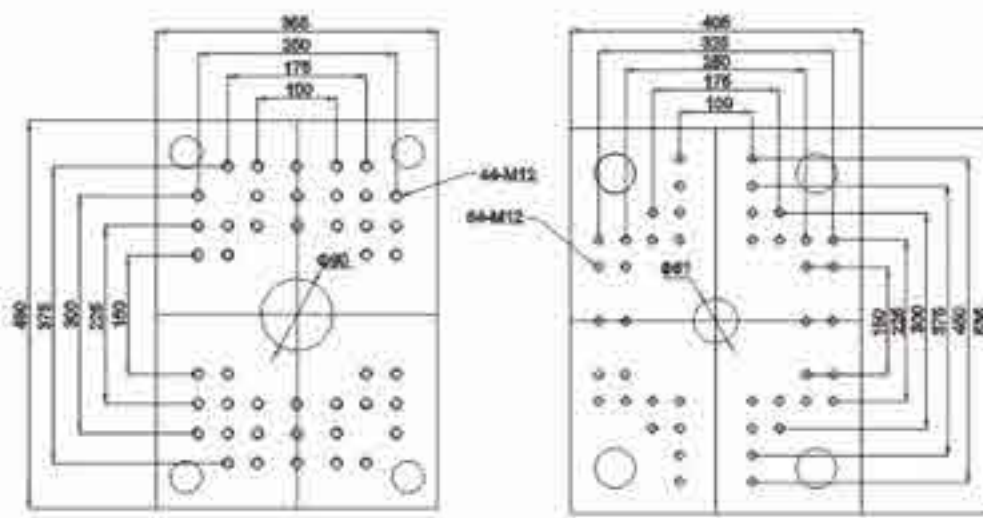
ACC

BOSCH Servo valve

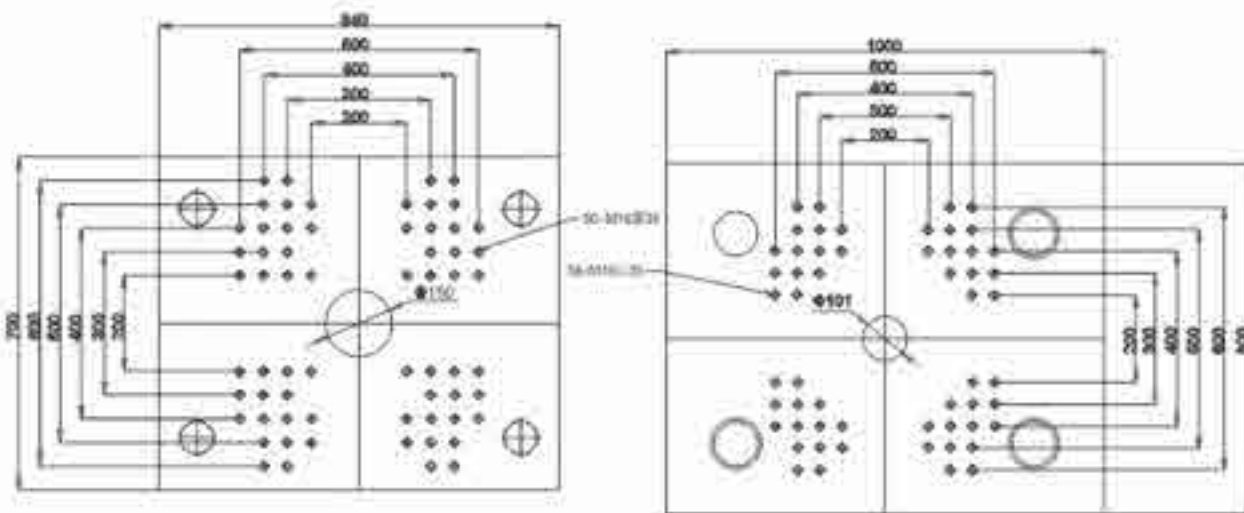
PLATE MEASUREMENT



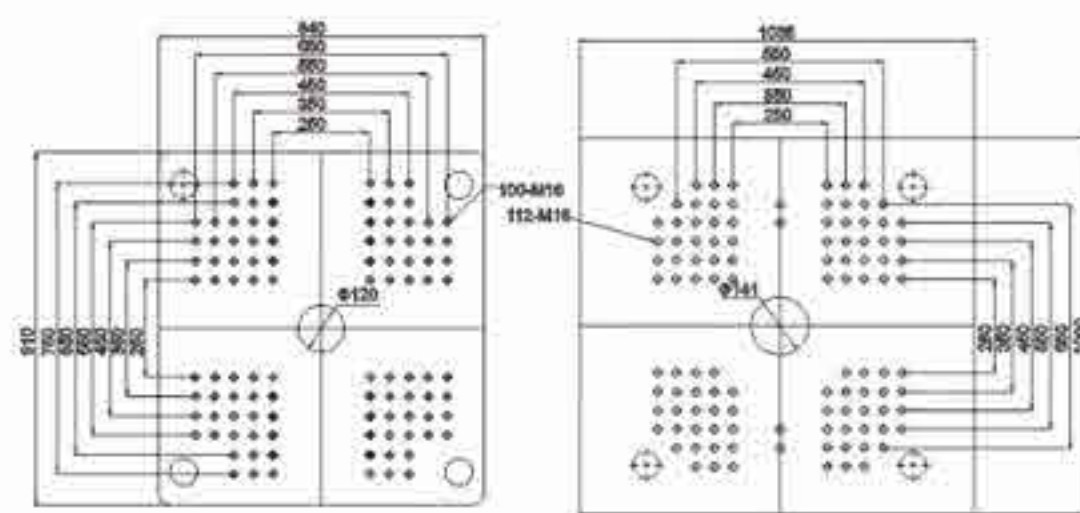
TY-120



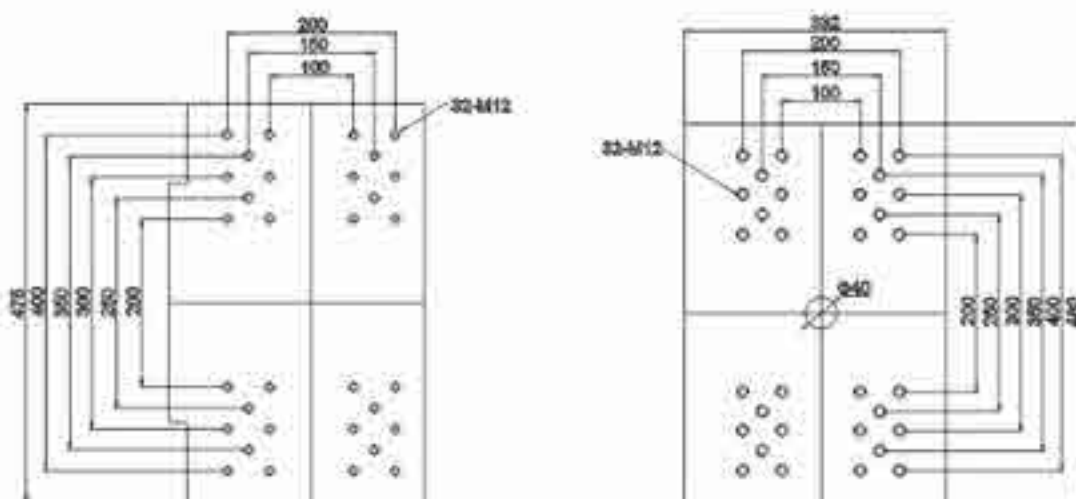
TY-200



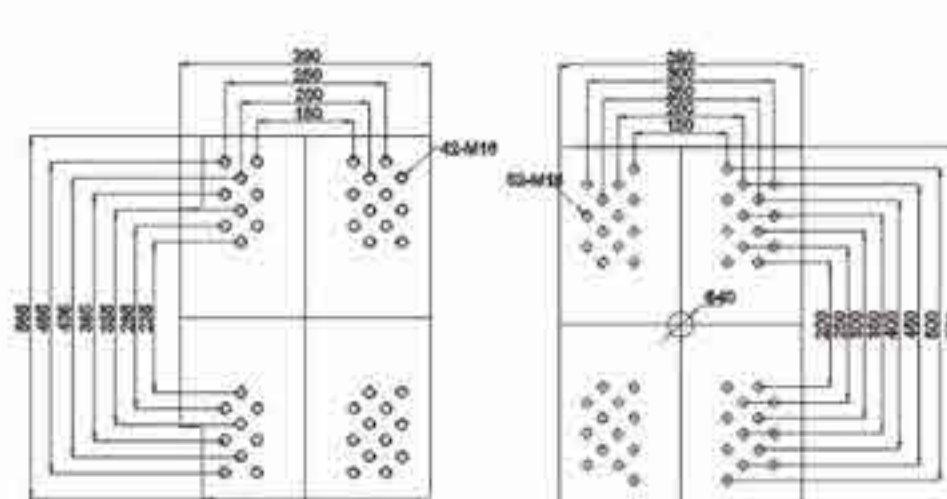
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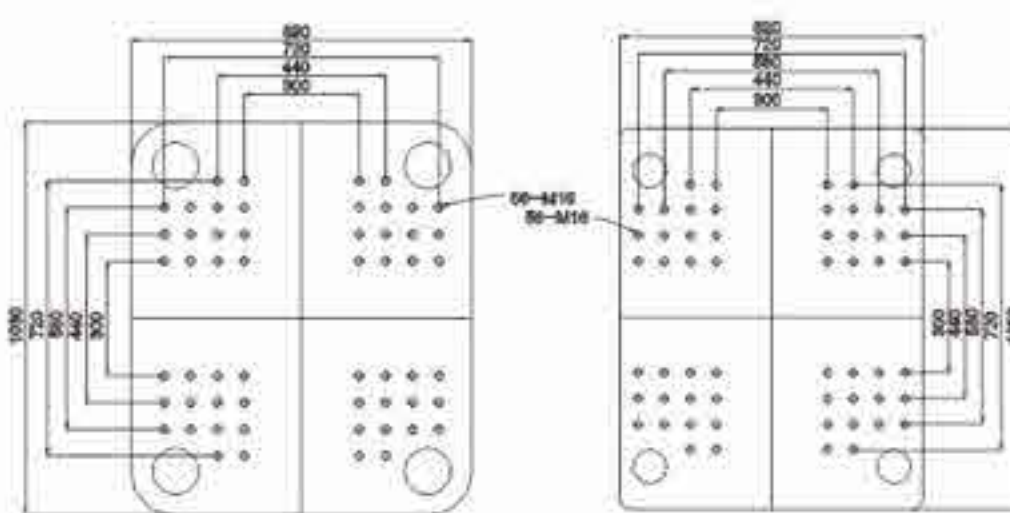
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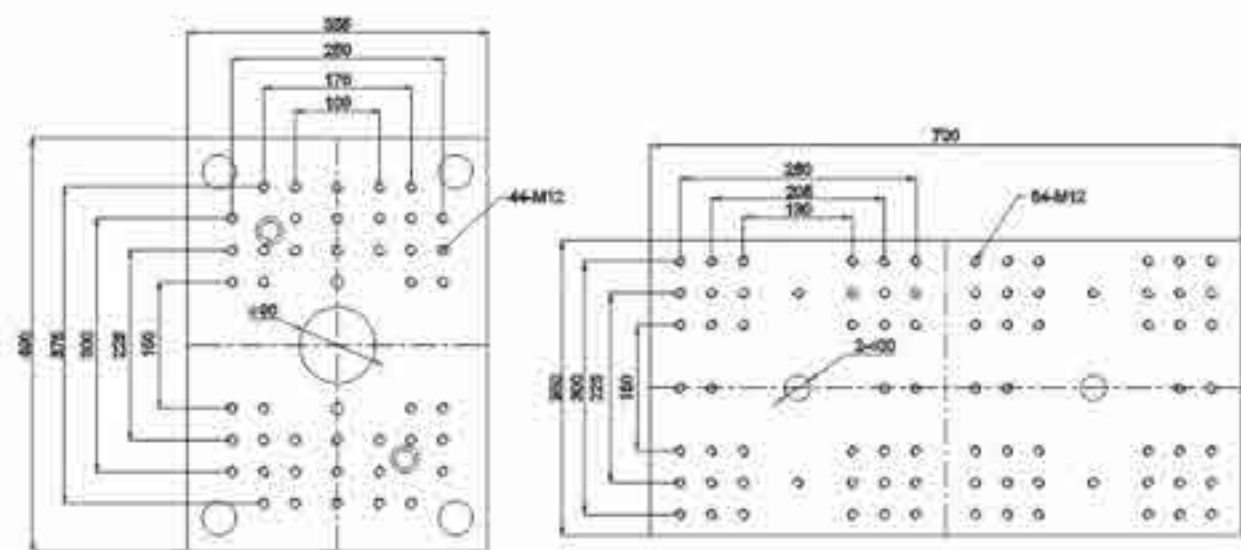
TC-450



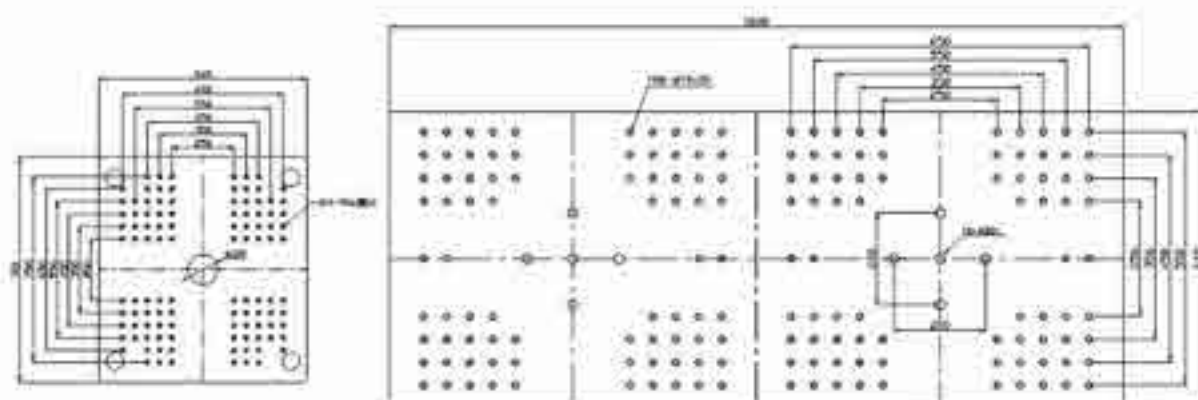
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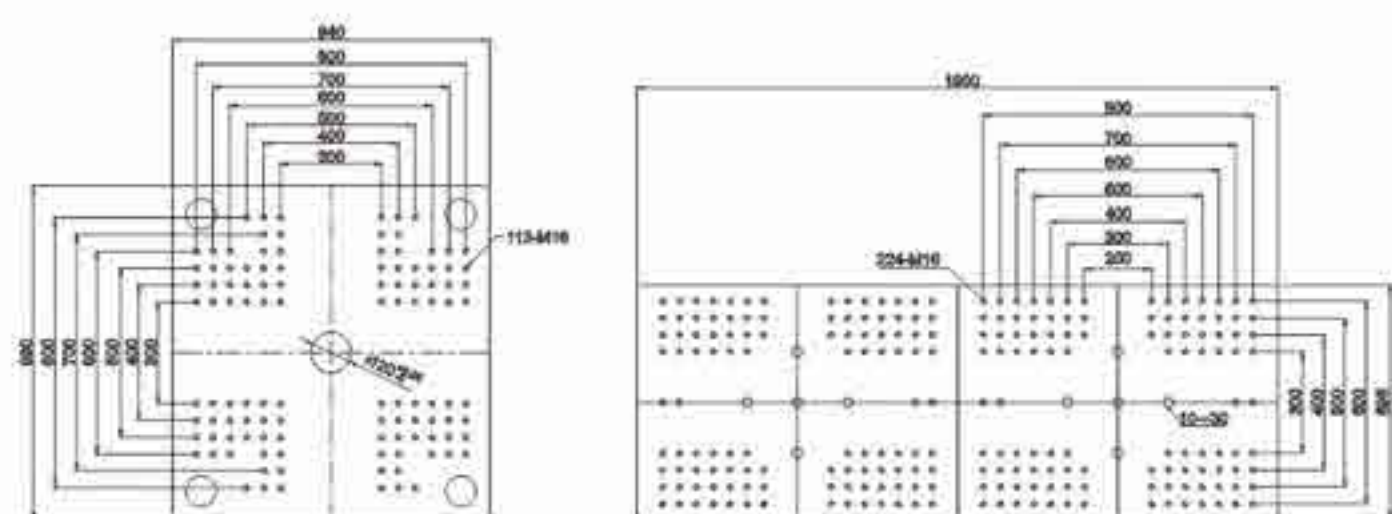
TK-2100



TY-200DS

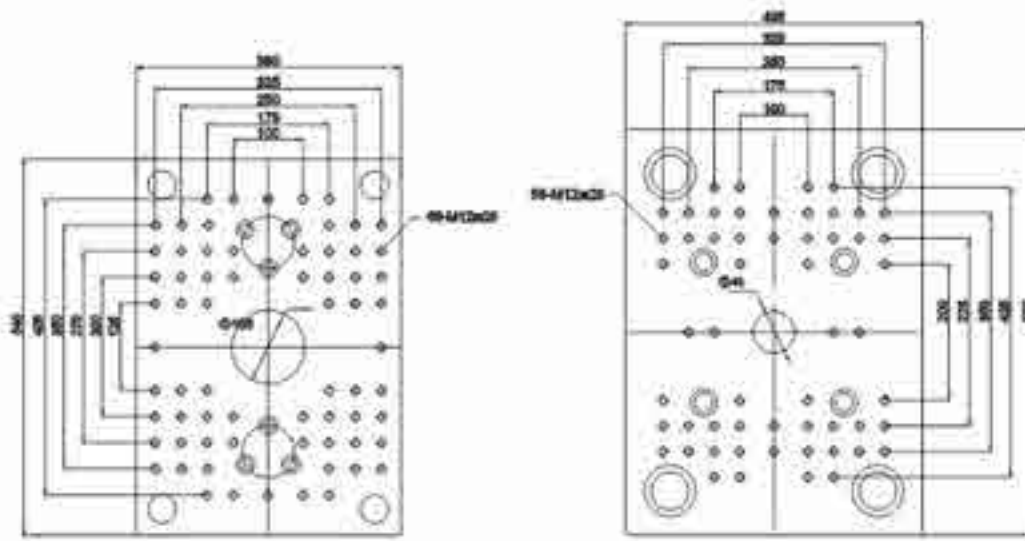


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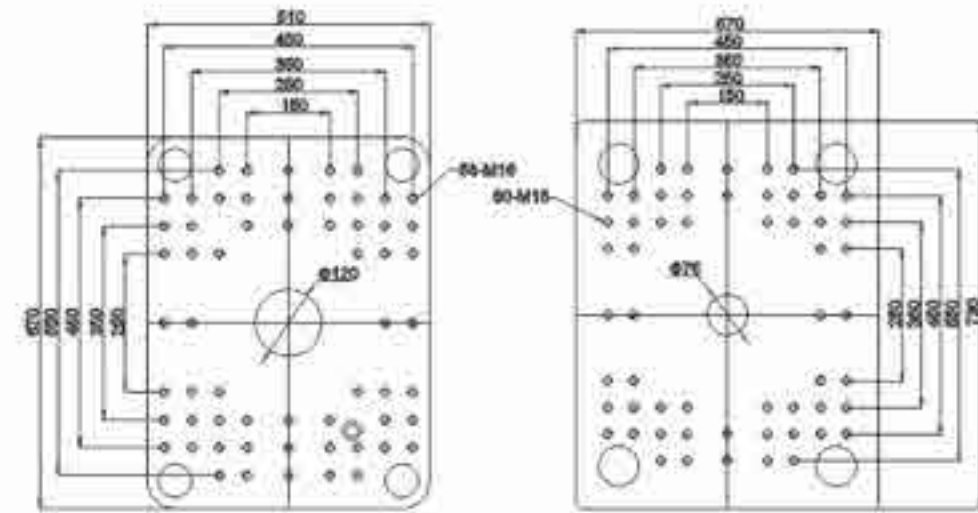


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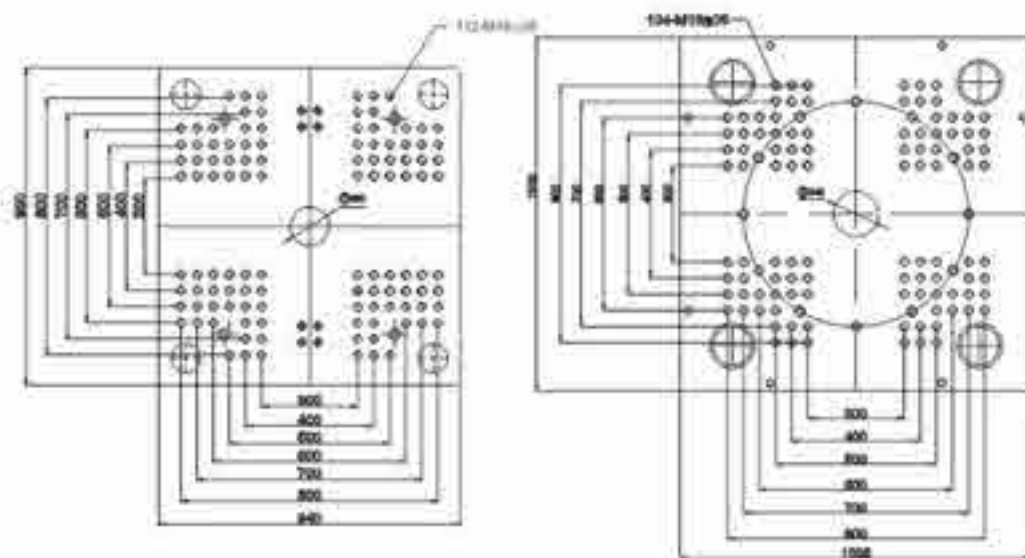
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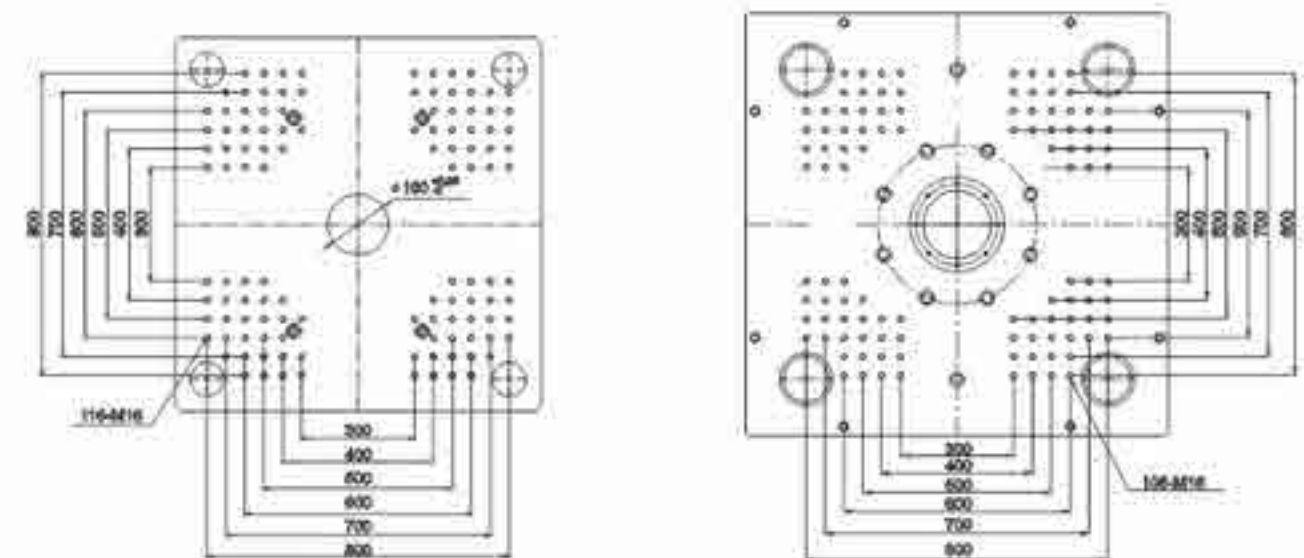
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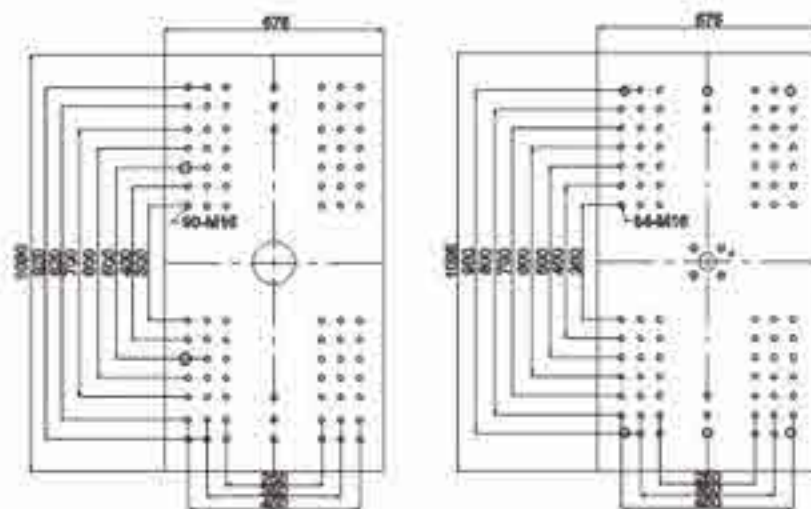
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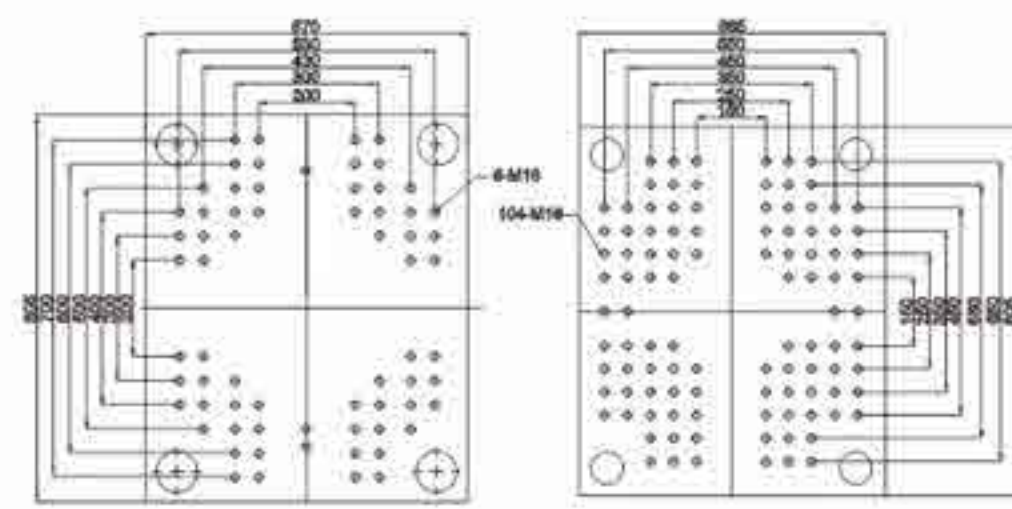
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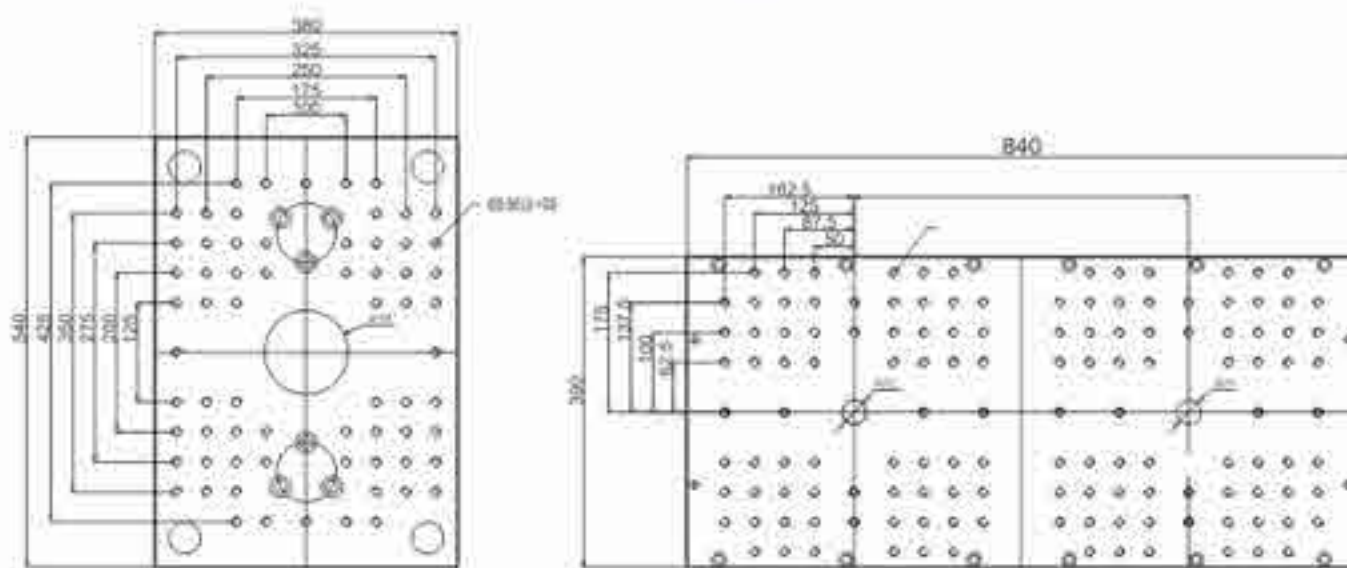
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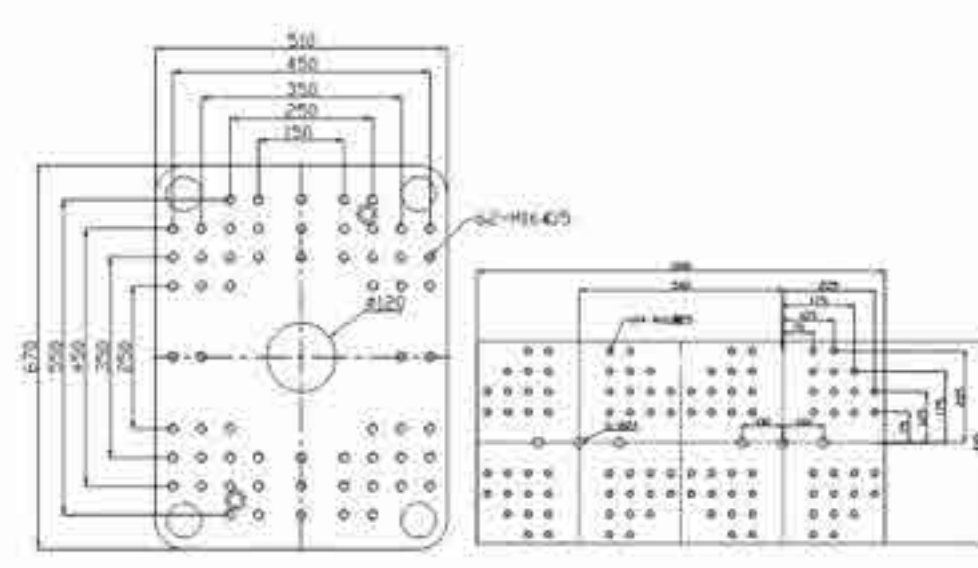
TC-1200



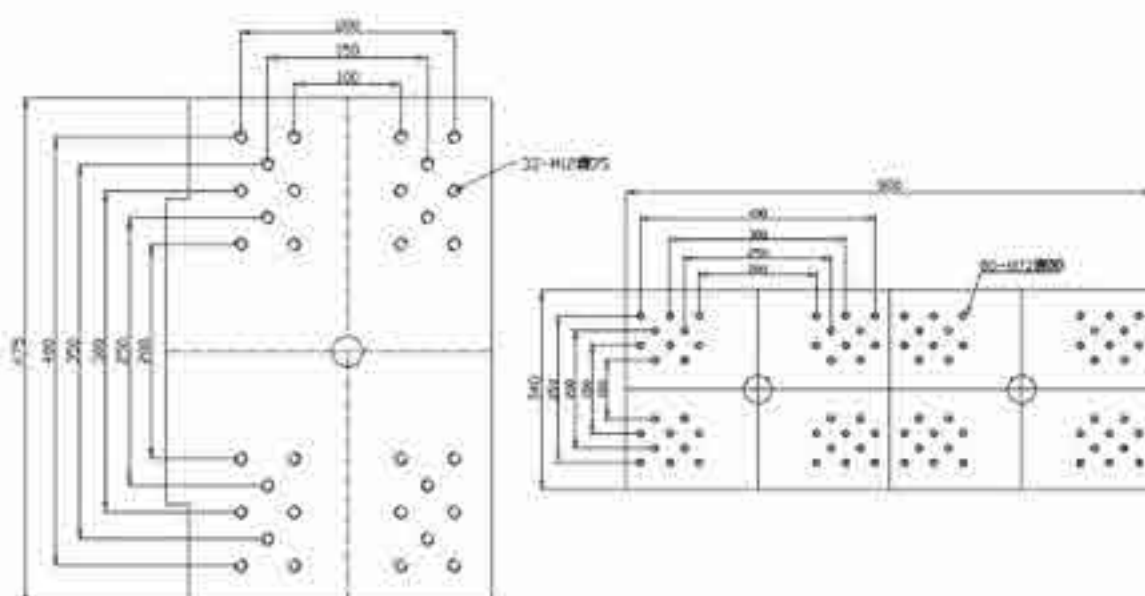
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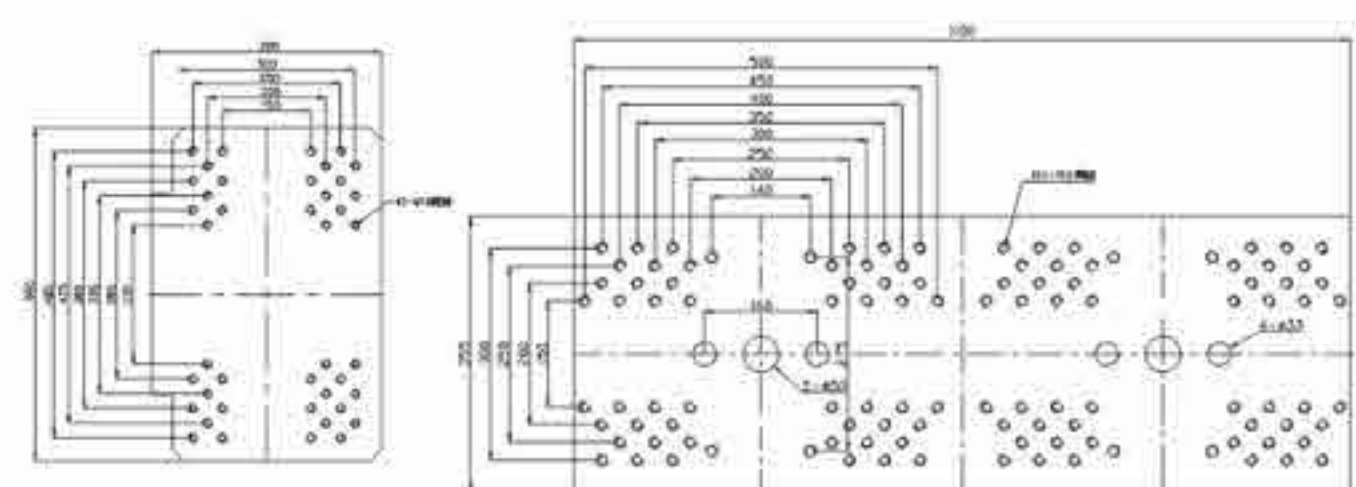
TY-400DS



TY-850DS

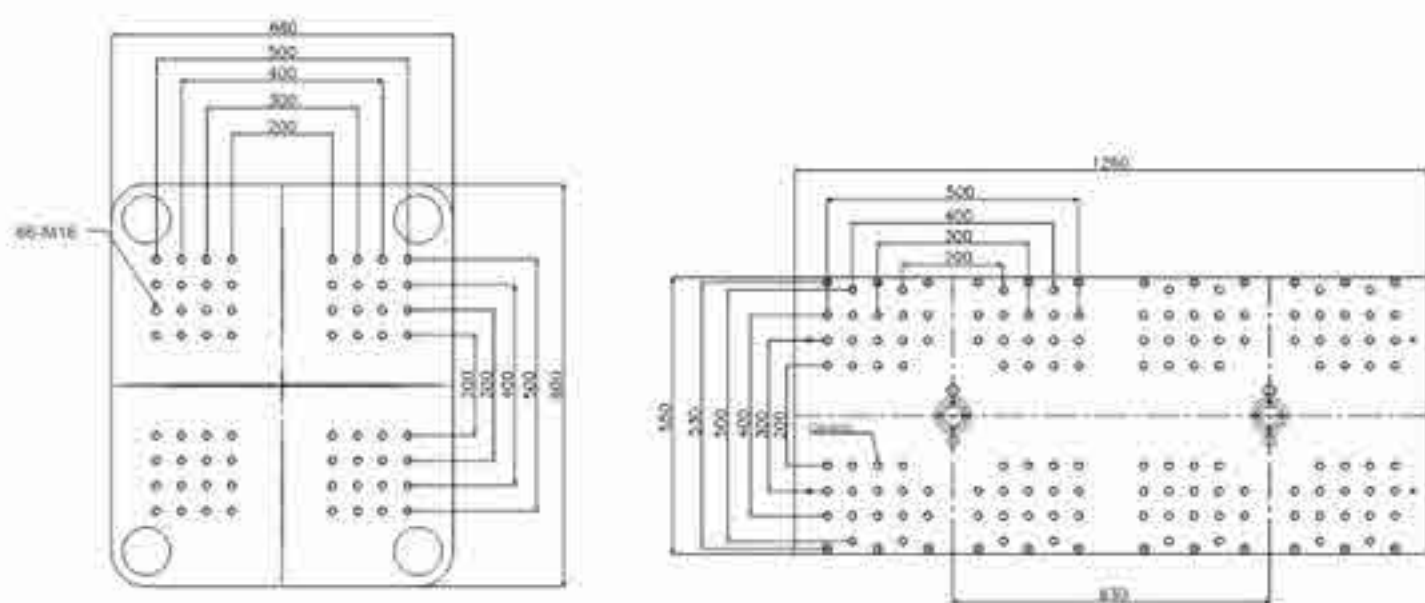


TC-450DS

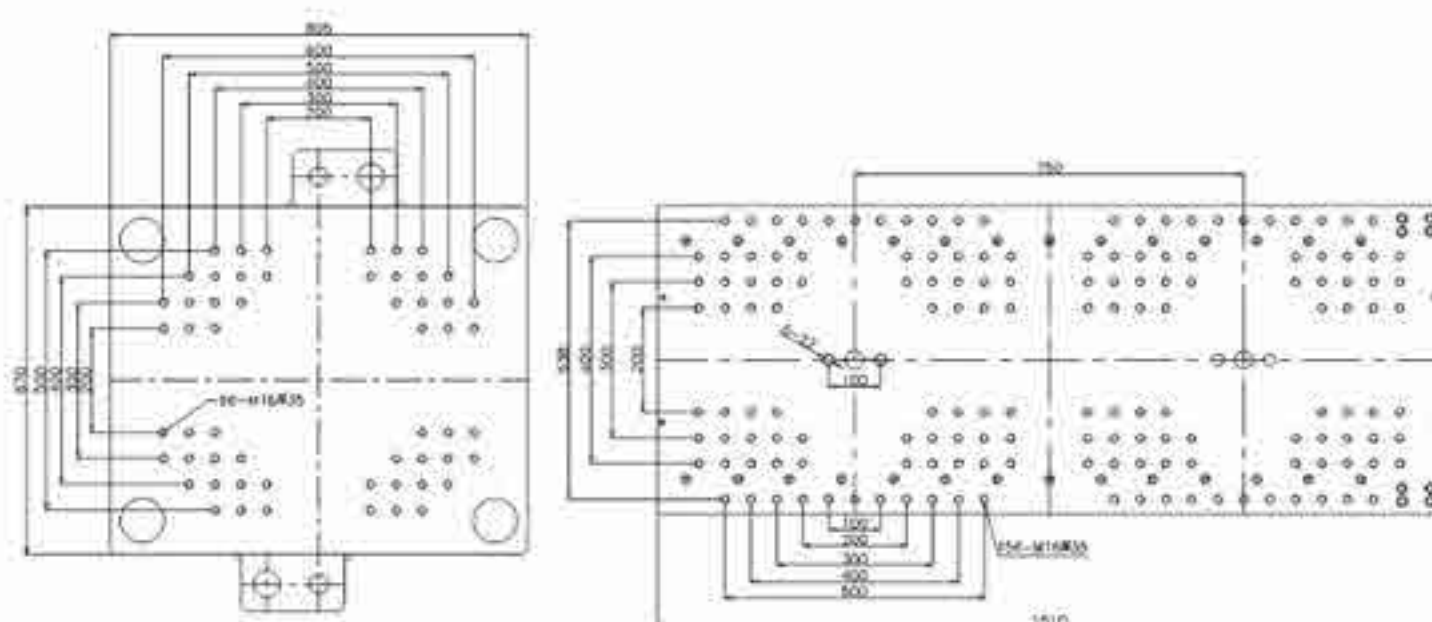


TC-750DS

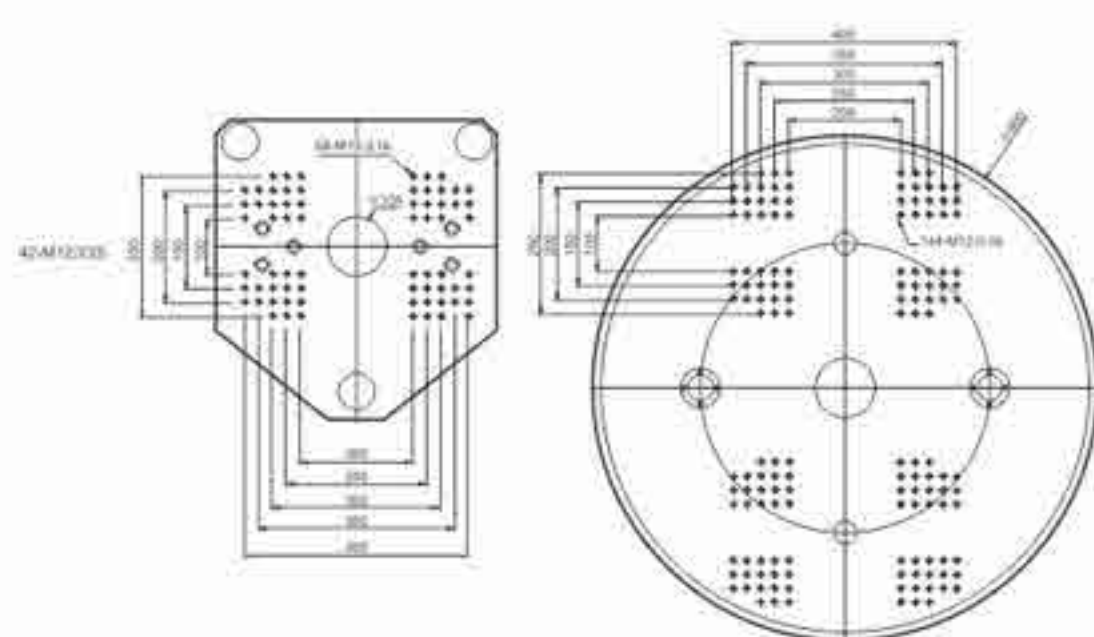
■ PLATE MEASUREMENT



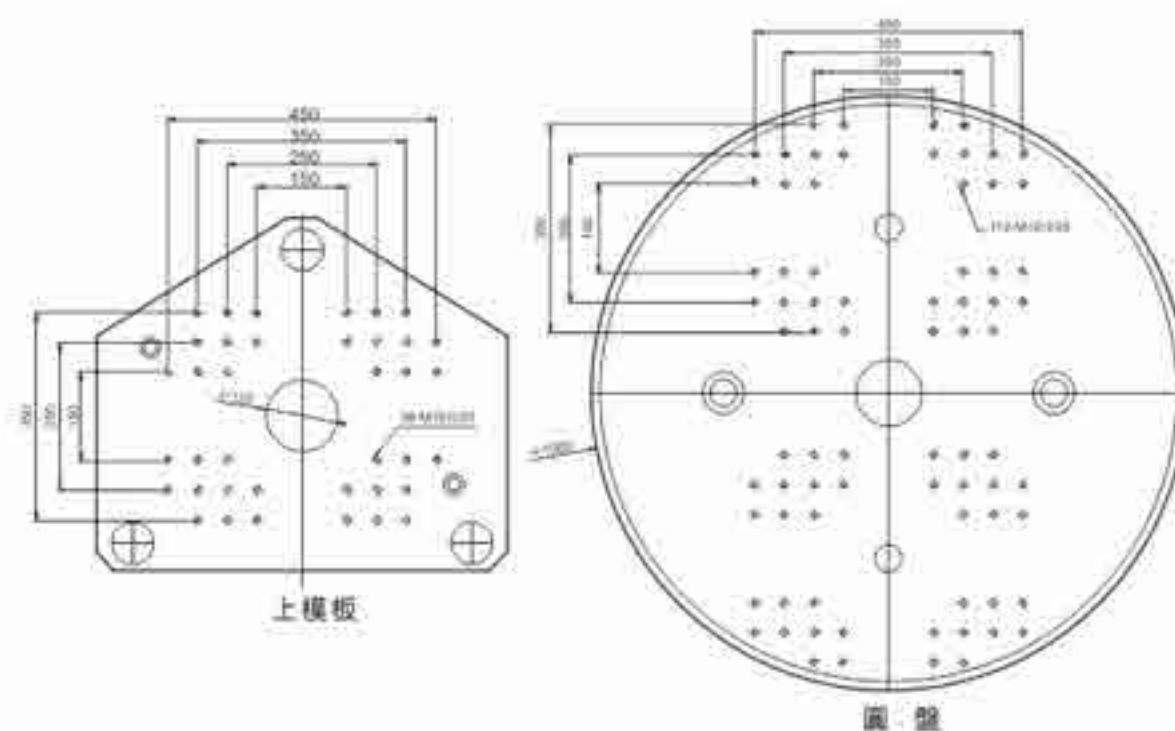
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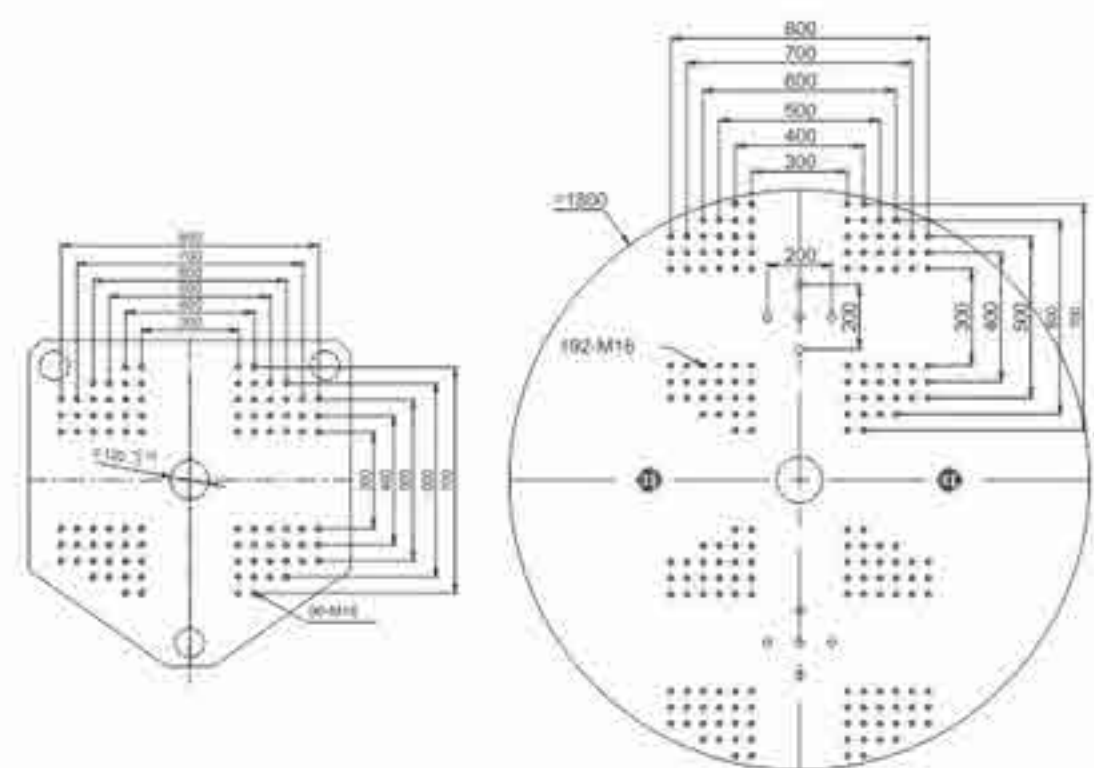
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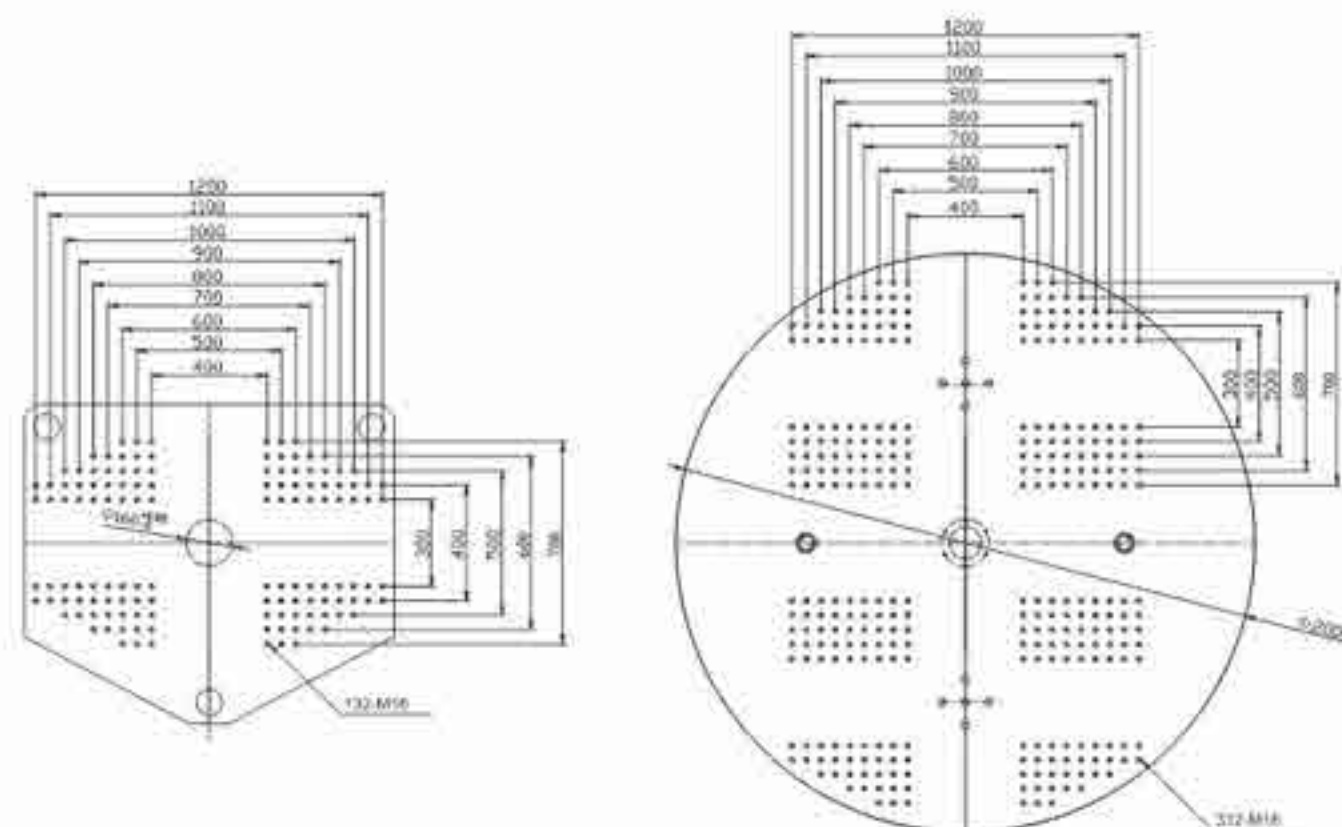
TY-550.2R



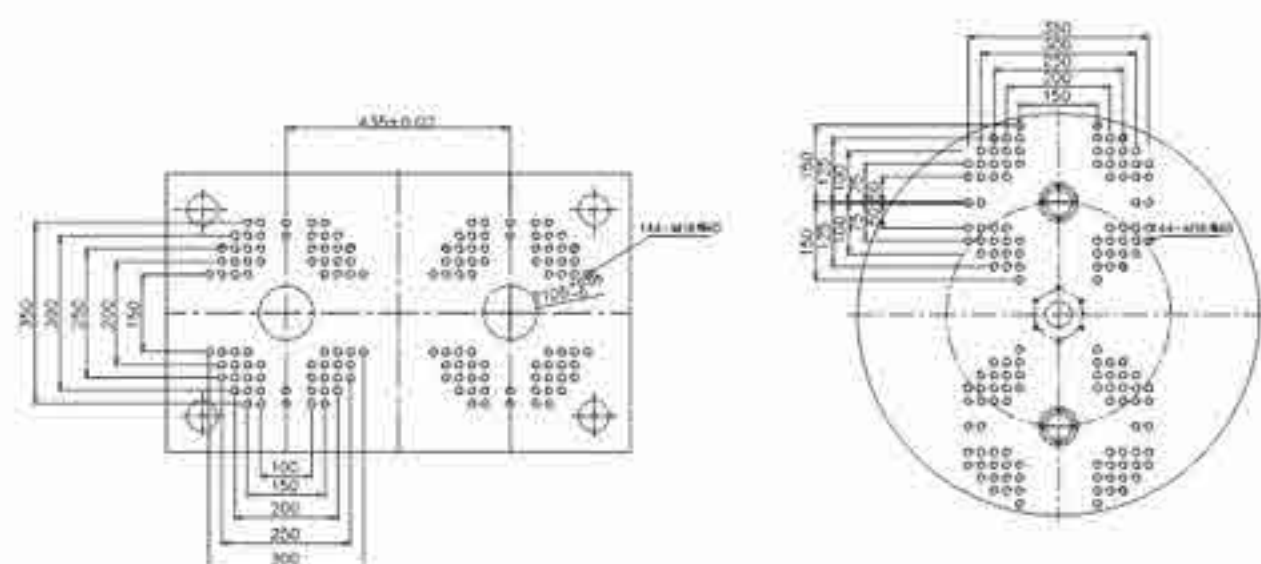
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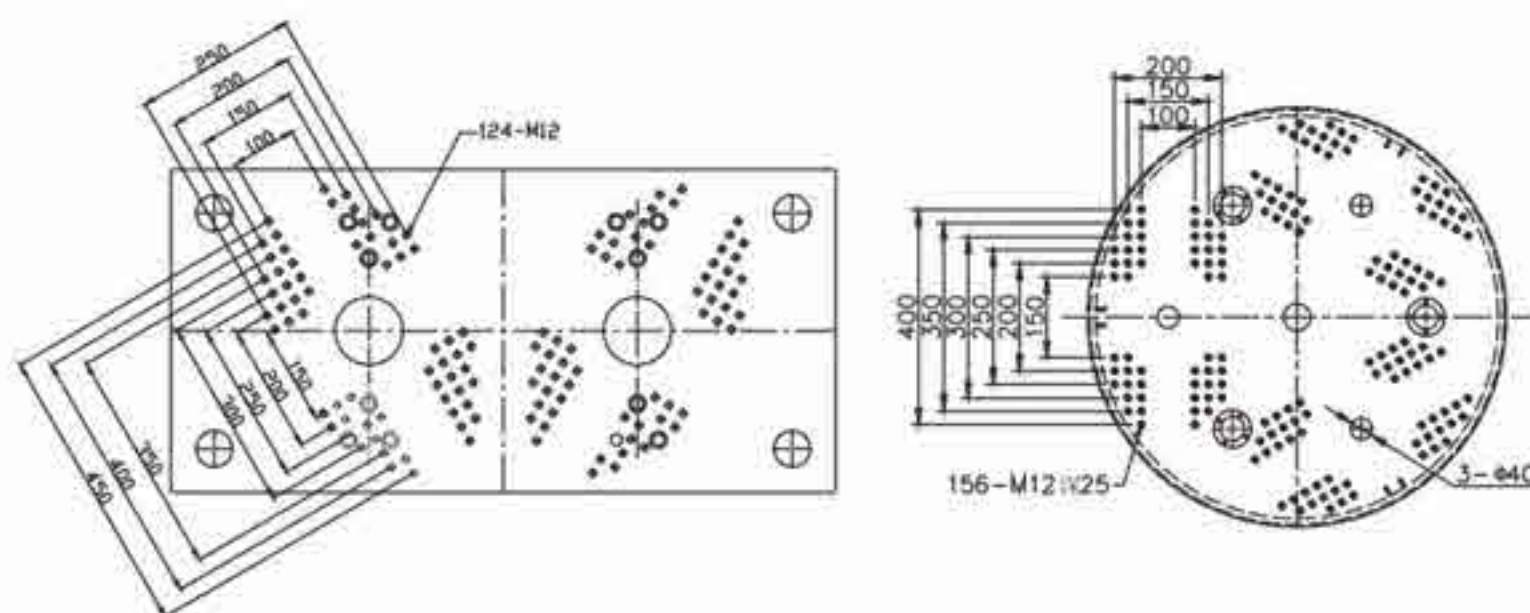
TY-2100.2R



TY-2500.2R

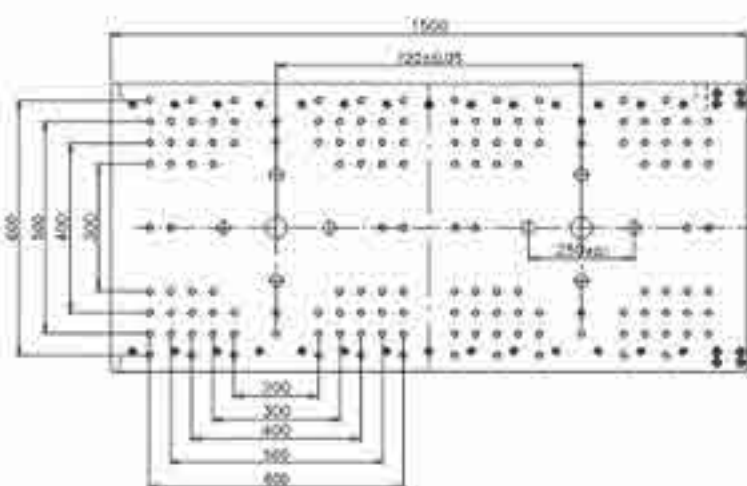


TY-850.2R.2C

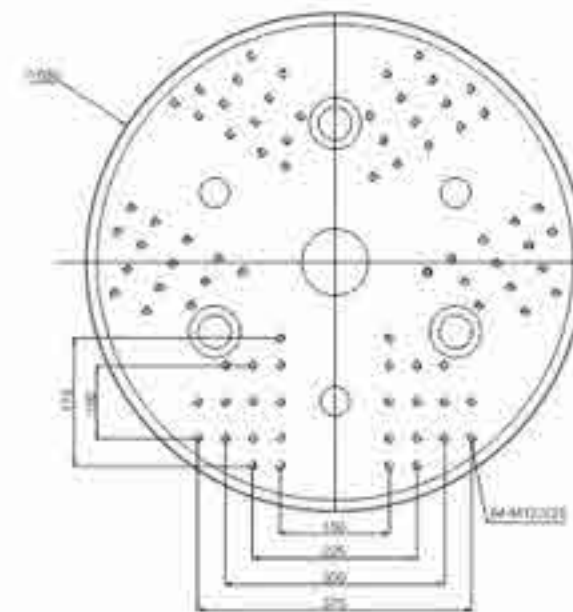


TY-850.3R.2C

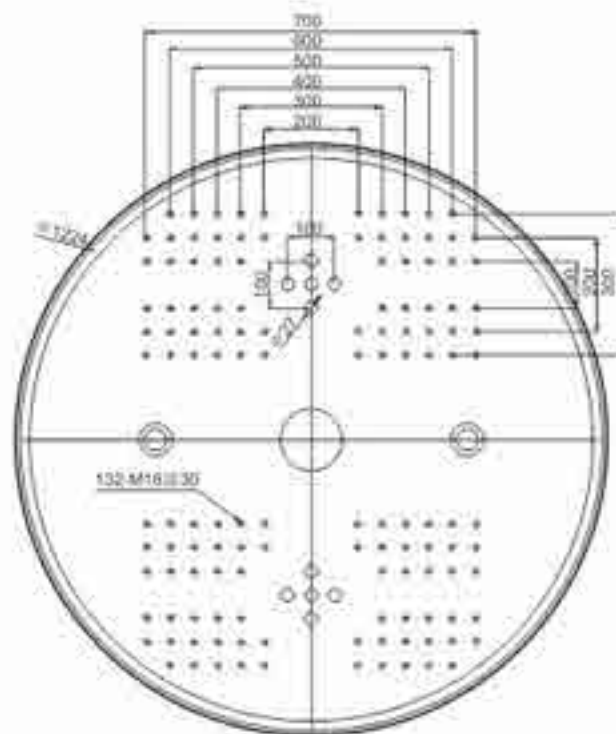
■ PLATE MEASUREMENT



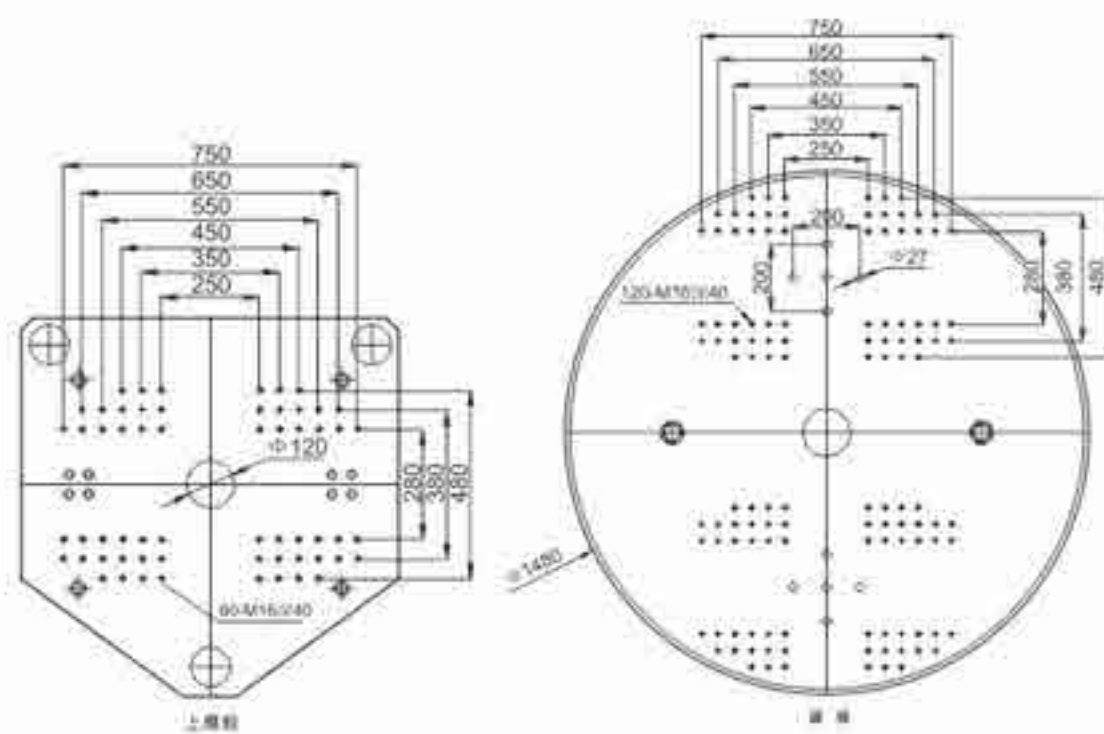
TK-2100DS



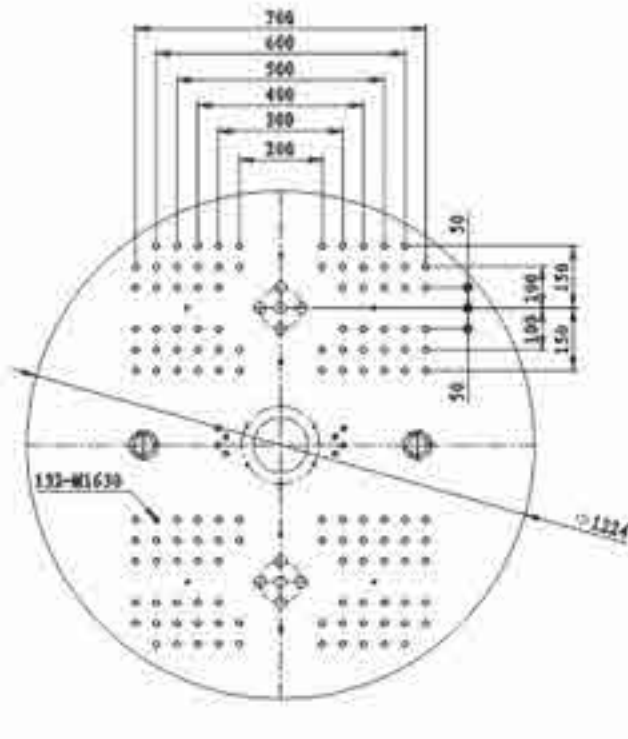
TY-200.3R



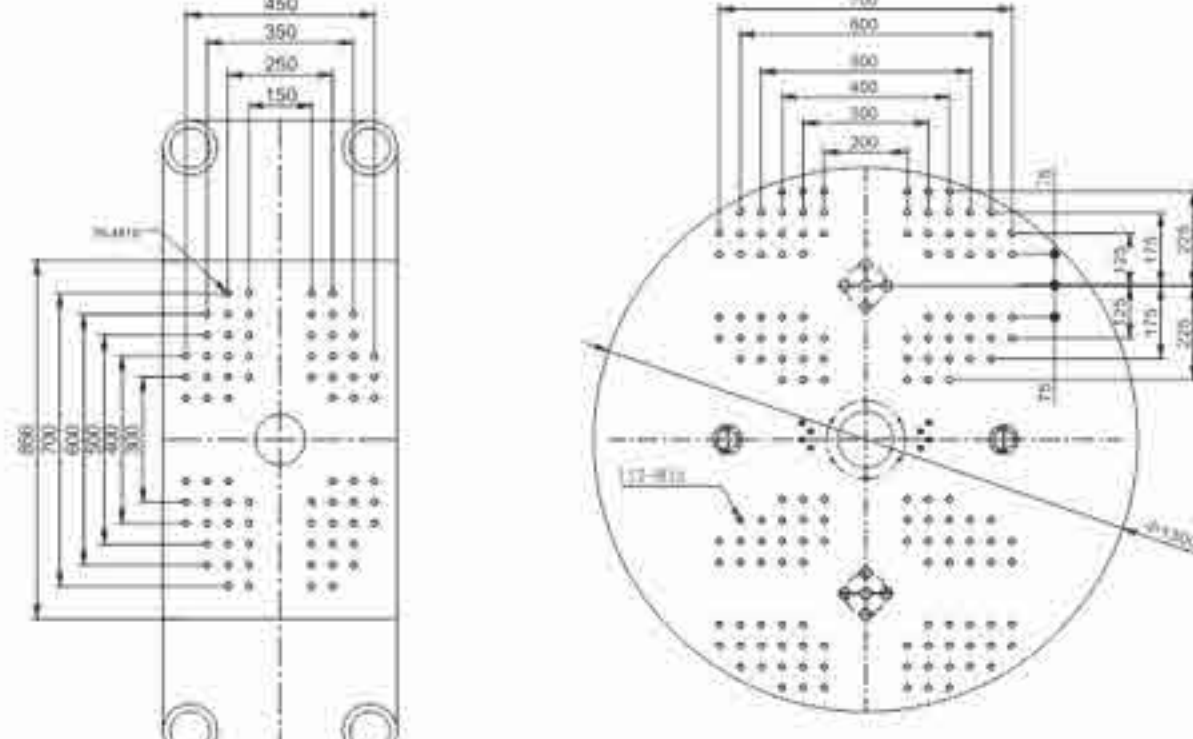
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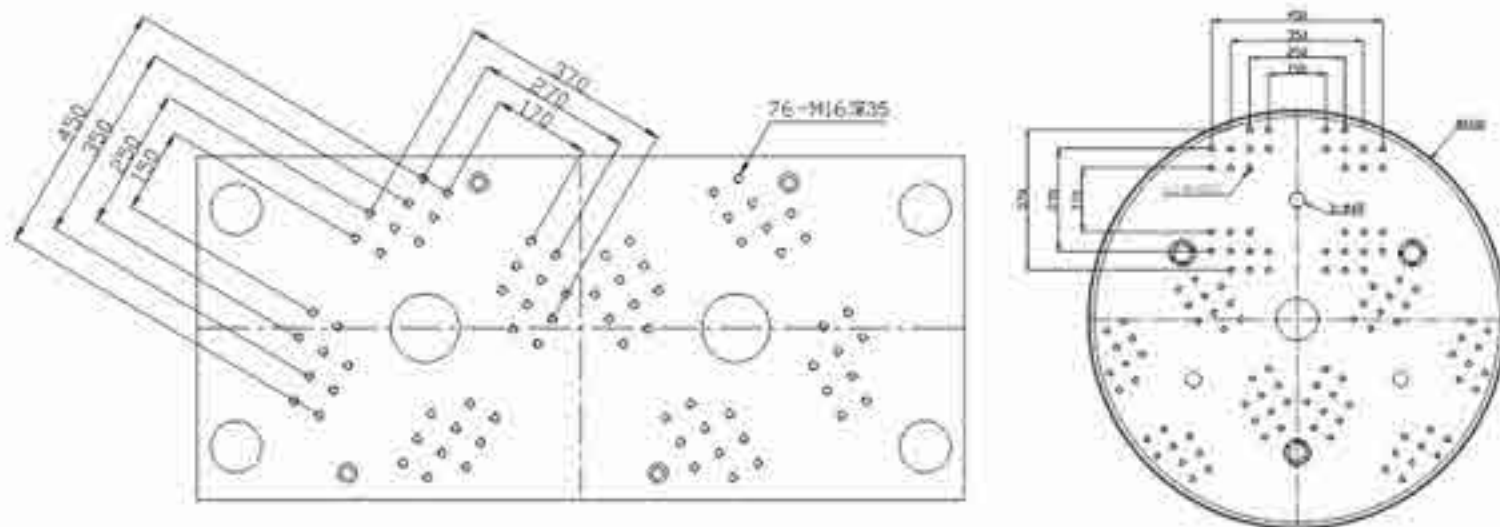
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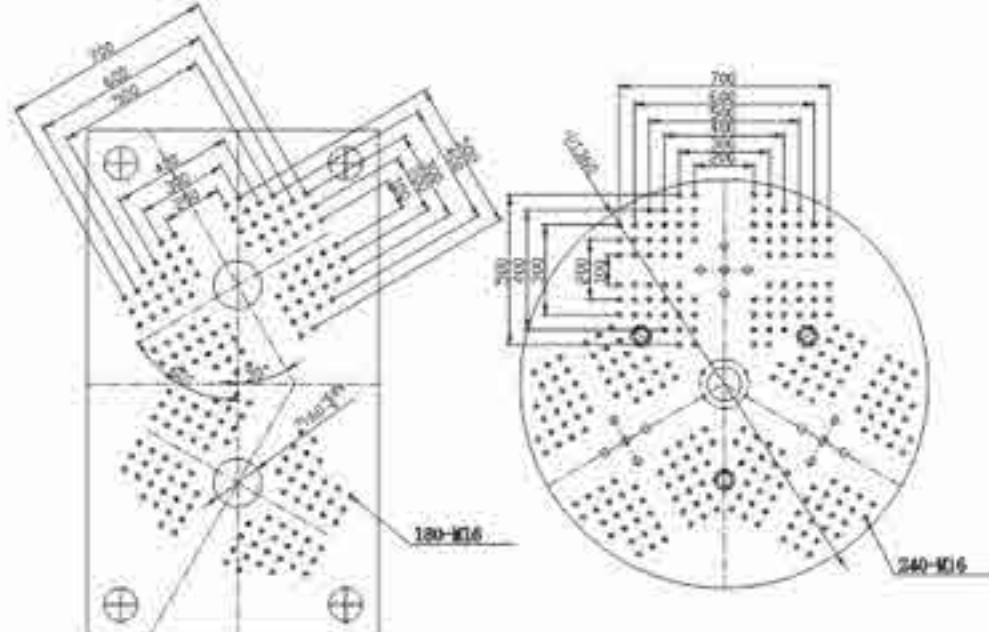
TK-1200.2R



TK-1500.2R



TY-1500.3R.2C



TY-2500.3R.2C