CHINA·HWAMDA

THE CRAFTSMANSHIP OF THE WORLD

中国的华美达,世界的工匠心

宁波华美达集团有限公司

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PVC专用机

SPECIAL INJECTION MOLDING MACHINE FOR PVC POWER MATERIALS



宁波华美达集团有限公司

NINGBO HWAMDA GROUP CO., LTD.



宁波华美达机械制造有限公司地处“中国塑机之都”的浙江省宁波市，是一家专业化生产塑胶注塑成型机械的高新技术企业，经过不断的技术创新，公司自主研发的系列产品已广泛应用于汽车、电子、医疗、环保、包装、物流等众多注塑生产行业，目前，华美达已经成长为具有雄厚规模和竞争实力的中国注塑机行业前列企业。

华美达拥有4个生产基地，超过10万平方米厂房设施，各种大型先进精密加工设备，团结了一支高素质的企业管理与技术创新团队。公司一直致力于高效节能型注塑机的开发制造与市场推广，已成功推出的有伺服节能注塑机、二板注塑机、全电动注塑机、高速精密注塑机、双色注塑机等多个系列以及各种行业专用型产品。

为贴近客户，公司大力开拓国际市场，在国内外建立60余处完善的销售机构及海外服务中心，华美达注塑机受到了北美、中东、南美、东南亚、欧洲等各个国家和地区客户的使用和欢迎，建立了面向国际的市场营销体系。

华美达公司通过了ISO9001、ISO14001、OHSAS18001管理体系认证以及CE产品认证，所生产的各系列注塑机均配备世界知名品牌的液压、电器及控制系统，引进国际领先设计理念，通过严格的检验、加工、装配、调试，为客户提供最优质的产品与服务。

一流的品质，是华美达执着追求的重要目标。尽力满足顾客需求，以精益求精、开拓进取的企业精神缔造辉煌的未来，公司始终坚持“专心专注，做好塑机”的企业理念，为中国注塑机械产业的发展和提高做出自己的贡献。

关于华美达
About us



Ningbo Hwamda Machinery Manufacturing Co., Ltd. is a new and high technology enterprise devoted to manufacture plastic injection machine, lying in the "City of China plastic molding machine" - Ningbo, Zhejiang.

Now, Hwamda Company owns four factories with more than one hundred thousand square meters. There are over 400 workers and staff members, holding together a high-quality team of managers and technical team. Our company always devoted to R&D for high efficiency and energy-saving injection molding machine. At present, our main products including servo motor energy saving machines, two platen machines, full electric machines, high speed machine for thin-wall products, twin-color machines and other standard or special injection molding machines.

Following the idea of serving customers, we have established more than 60 perfect sales & service branch in China and abroad. Hwamda machine has sold to many countries such as North America, Europe, Russia, Poland, Mexico, India, Sri Lanka, Egypt, Brazil, Peru, Colombia, etc. Hwamda has gradually set up a marketing system covering both the domestic and overseas markets.

Hwamda has passed the ISO9001, ISO14001, OHSAS18001 and CE certification. All the series of injection machine are equipped with world famous hydraulic & electric elements and control system. Through strict inspection, assembly and test, Hwamda has provided first-class products and services to customers.

"First-class quality" is what we are pursuing the most. We will try our best to meet the requirements of customers and create even better future. Our company firmly sticks to the idea of "With undivided attention to manufacture excellent plastic injection molding machines", and makes our own contribution for the development and improvement of national plastic industry.





专用机 PVC | HMD PVC SERIES

Special injection molding machine for PVC power materials







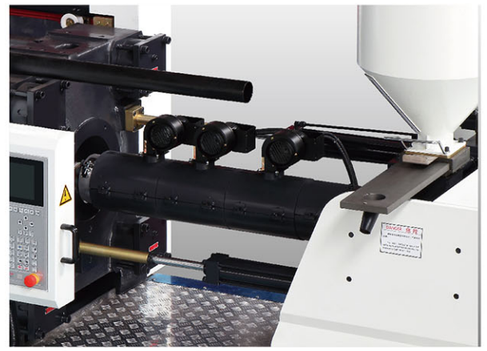


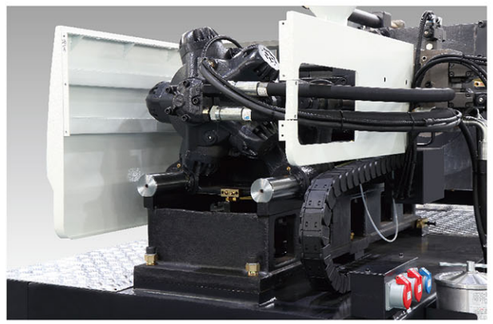
2 专用风冷装置

SPECIAL AIR FAN COOLING DEVICE

PVC原料的热容性很窄，受温度的影响变化很大，在料筒上加装风机，并用吹风程序控制风机的启动和停止，以确保各段温度在设定的范围内。

Due to the PVC material thermoelasticity,easy to reflection by temperature changed. Special with air fan cooling device, to automatic control the air fan motor on/off, ensure to control the precise of temperature.





3 加大储料马达

INCREASED HYDRAULIC MOTOR

由于PVC原料的流动性较差，根据需要增加储料马达扭矩，并且使螺杆的转速不过快，以避免PVC原料容易在剪切的作用下烧焦。

Increased hydraulic motor torque due to the slowly fluidity of PVC material, and control the screw speed accordingly with PVC material, to avoid PVC material decompose by screw shear.

1 PVC专用料管组

SPECIAL PVC SCREW AND BARREL

采用PVC专用螺杆，充分实现均匀塑化并有高度耐腐蚀性，保证PVC原料的生产要求。

Using special PVC screw, to reach good plasticizing and highly corrosion.

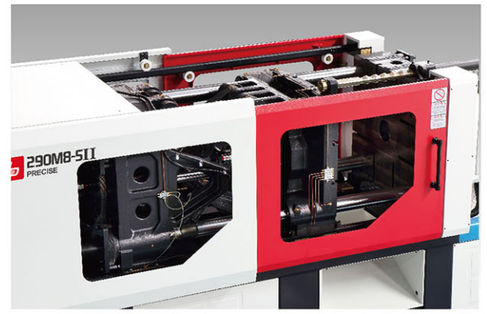


4 加宽安全门

ENLARGE WIDTH OF SAFETY DOOR

PVC管件模具常带抽芯油缸，根据客户需要专门为此类模具设计加宽机门。

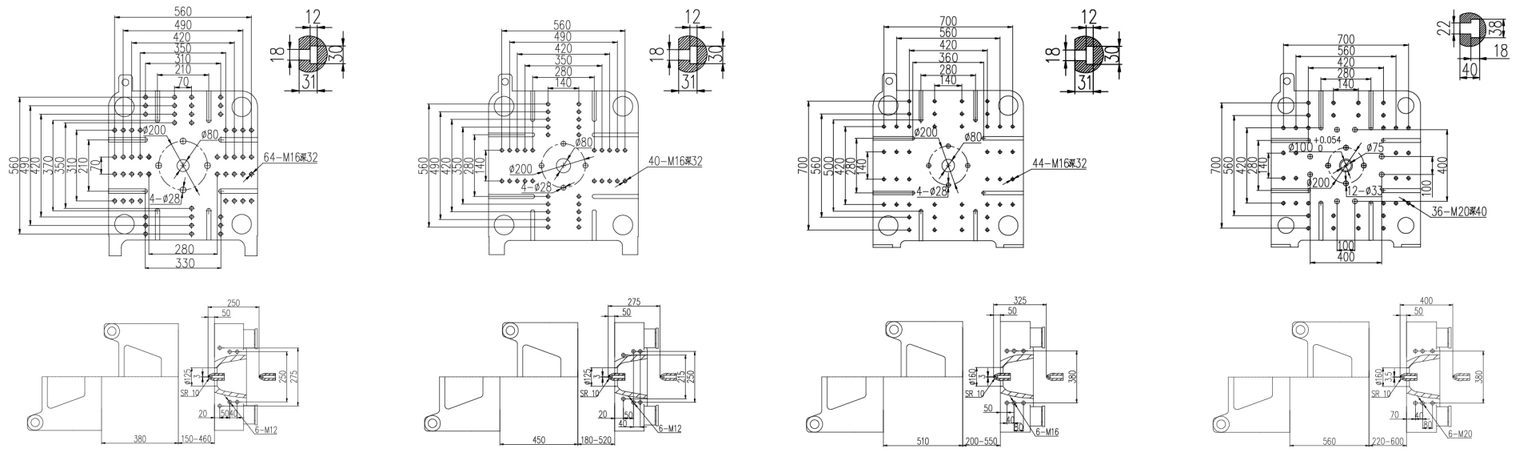
PVC pipes mold usually with core puller cylinder, design to enlarge width of safety door to suit the molds.



技术参数表 *SPECIFICATIONS*

参数	PARAMETER	UNIT	HMD130M8–SII PVC		HMD170M8–SII PVC		HMD218M8–SII PVC		HMD268M8–SII PVC	
国际公认型号	International size rating	——	445/130		587/170		876/218		1385/268	
注射装置	INJECTION UNIT		A	B	A	B	A	B	A	B
理论注射容量	Injection volume(theoretical)	cm^3	215	263	277	332	471	529	713	848
注射重量	Injection weight(PVC)	g (克)	280	342	360	432	613	688	927	1103
		oz (盎司)	9.88	12.1	12.7	15.2	21.6	24.3	32.7	38.9
注射速率	Injection rate(PVC)	g/s	161	197	200	238	274	308	341	405
螺杆直径	Screw diameter	mm	38	42	42	46	50	53	55	60
注射压力	Injection pressure	MPa	207	169	202	169	186	166	194	163
螺杆长径比	Screw L/D ratio	——	22:1	22:1	22:1	22:1	22:1	22:1	22:1	22:1
螺杆行程	Screw stroke	mm	190		200		240		300	
螺杆转速	Screw speed	r/ min	0 ~ 259		0 ~ 243		0 ~ 240		0 ~ 217	
合模装置	CLAMPING UNIT									
锁模力	Clamping force	kN	1300		1700		2180		2680	
移模行程	Mold opening stroke	mm	380		450		510		560	
模板尺寸	Platen size	mm	630x610		710x690		780x780		835x835	
拉杆内间距	Dist. between tie bars (H × V)	mm	430x410		480x460		530x530		580x580	
模板最大距离	Max.daylight	mm	840		970		1060		1160	
容模量 (最小—最大)	Mold thickness(Min–Max)	mm	150~460		180 ~ 520		200 ~ 550		220 ~ 600	
顶出行程	Ejector stroke	mm	125		140		140		160	
顶出力	Ejector tonnage	kN	42		50		50		77	
动力/电热	POWER UNIT									
油压系统压力	Hydraulic system pressure	MPa	17.5		17.5		17.5		17.5	
油泵马达	Pump motor power	kW	18.7		23		31.3		36.5	
电热功率	Heater power	kW	9.1		12.5		16.4		21.9	
温度控制区数	Number of temp control zones	——	4		4		5		6	
其 它	OTHERS									
油箱容积	Oil tank	L (升)	135		170		270		325	
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	4.5x1.4x1.9		4.9x1.4x2.1		5.5x1.6x2.1		6.2x1.7x2.3	
机器重量	Machine weight	Ton	4		5		7		9	

模板尺寸
PLATEN DIMENSION



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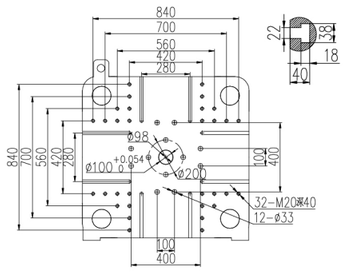
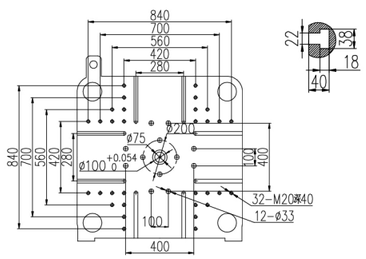
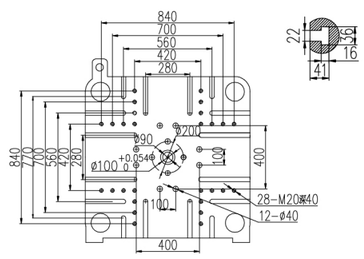
技术参数表 *SPECIFICATIONS*

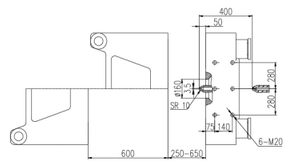
参数	PARAMETER	UNIT	HMD290M8-SII PVC		HMD320M8-SII PVC		HMD430M8-SII PVC	
国际公认型号	International size rating	——	1385/290		1930/320		2853/430	
注射装置	INJECTION UNIT		A	B	A	B	A	B
理论注射容量	Injection volume(theoretical)	cm^3	713	848	919	1146	1590	1810
注射重量	Injection weight(PVC)	g (克)	927	1103	1195	1490	2068	2352
		oz (盎司)	32.7	38.9	42.1	52.5	72.9	83
注射速率	Injection rate(PVC)	g/s	341	405	397	496	526	597
螺杆直径	Screw diameter	mm	55	60	60	67	75	80
注射压力	Injection pressure	MPa	194	163	210	168	198	174
螺杆长径比	Screw L/D ratio	——	22:1	22:1	22:1	22:1	22:1	22:1
螺杆行程	Screw stroke	mm	300		325		360	
螺杆转速	Screw speed	r/ min	0 ~ 217		0 ~ 178		0 ~ 150	
合模装置	CLAMPING UNIT							
锁模力	Clamping force	kN	2900		3200		4300	
移模行程	Mold opening stroke	mm	600		670		730	
模板尺寸	Platen size	mm	920x920		960x960		1032x1042	
拉杆内间距	Dist. between tie bars (H × V)	mm	630x630		680x680		760x730	
模板最大距离	Max.daylight	mm	1250		1340		1460	
容模量 (最小—最大)	Mold thickness(Min–Max)	mm	250 ~ 650		250 ~ 670		250 ~ 730	
顶出行程	Ejector stroke	mm	160		160		185	
顶出力	Ejector tonnage	kN	77		77		111	
动力/电热	POWER UNIT							
油压系统压力	Hydraulic system pressure	MPa	17.5		17.5		17.5	
油泵马达	Pump motor power	kW	36.5		50.2		64.6	
电热功率	Heater power	kW	21.9		31		38.5	
温度控制区数	Number of temp control zones	——	6		6		6	
其 它	OTHERS							
油箱容积	Oil tank	L (升)	340		380		500	
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	6.4x1.8x2.4		6.8x1.8x2.4		8.0x2.0x2.6	
机器重量	Machine weight	Ton	11.5		12		18	

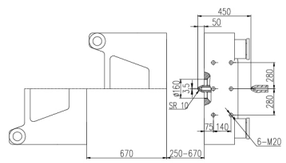
模板尺寸
PLATEN DIMENSION

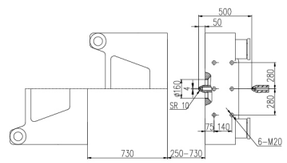












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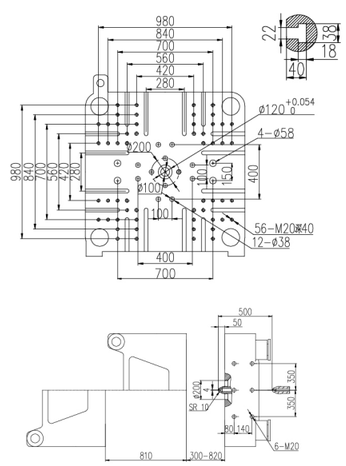
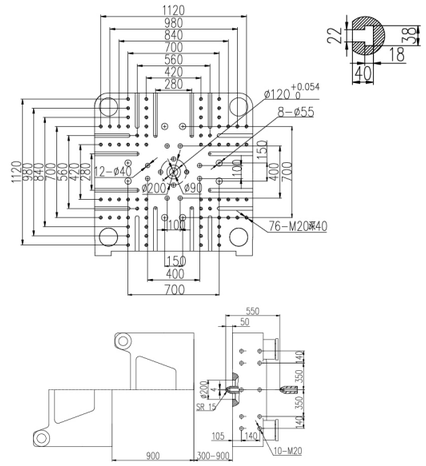
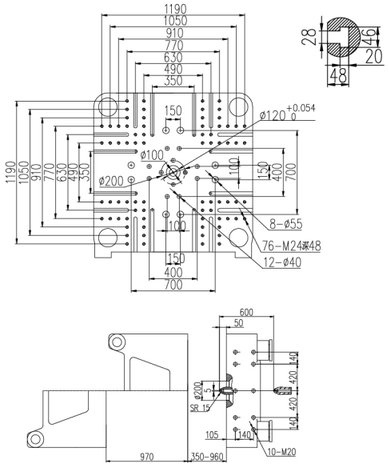
技术参数表 *SPECIFICATIONS*

参数	PARAMETER	UNIT	HMD500M8-SII PVC		HMD600M8-SII PVC		HMD700M8-SII PVC	
国际公认型号	International size rating	——	3148/500		4456/600		5312/700	
注射装置	INJECTION UNIT		A	B	A	B	A	B
理论注射容量	Injection volume(theoretical)	cm^3	1590	1810	2262	2554	2863	3190
注射重量	Injection weight(PVC)	g (克)	2068	2352	2941	3320	3722	4147
		oz (盎司)	72.9	83	103.7	117.1	131.3	146.3
注射速率	Injection rate(PVC)	g/s	606	688	692	783	810	901
螺杆直径	Screw diameter	mm	75	80	80	85	90	95
注射压力	Injection pressure	MPa	198	174	197	174	185	166
螺杆长径比	Screw L/D ratio	——	22:1	22:1	22:1	22:1	22:1	22:1
螺杆行程	Screw stroke	mm	360		450		450	
螺杆转速	Screw speed	r/ min	0 ~ 155		0 ~140		0 ~148	
合模装置	CLAMPING UNIT							
锁模力	Clamping force	kN	5000		6000		7000	
移模行程	Mold opening stroke	mm	810		900		970	
模板尺寸	Platen size	mm	1128x1168		1210x1250		1325x1345	
拉杆内间距	Dist. between tie bars (H × V)	mm	830x830		900x880		970x930	
模板最大距离	Max.daylight	mm	1630		1800		1930	
容模量 (最小—最大)	Mold thickness(Min-Max)	mm	300 ~ 820		300 ~ 900		350 ~ 960	
顶出行程	Ejector stroke	mm	210		240		265	
顶出力	Ejector tonnage	kN	111		151		182	
动力/电热	POWER UNIT							
油压系统压力	Hydraulic system pressure	MPa	17.5		17.5		17.5	
油泵马达	Pump motor power	kW	36.5+31.3		50.2+31.3		50.2+36.5	
电热功率	Heater power	kW	41.5		46.3		52.7	
温度控制区数	Number of temp control zones	——	6		6		6	
其 它	OTHERS							
油箱容积	Oil tank	L (升)	590		550		680	
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	8.3x2.1x2.6		9.2x2.3x2.5		9.7x2.4x2.7	
机器重量	Machine weight	Ton	22		25		32	

模板尺寸
PLATEN DIMENSION







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