



CHINA-HWAMDA
THE CRAFTSMANSHIP OF THE WORLD
中国的华美达,世界的工匠心

2023年3月修订



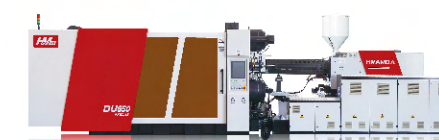
二板注塑机
*TWO PLATEN INJECTION
MOLDING MACHINE*

宁波华美达集团有限公司
NINGBO HWAMDA GROUP CO., LTD.

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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.

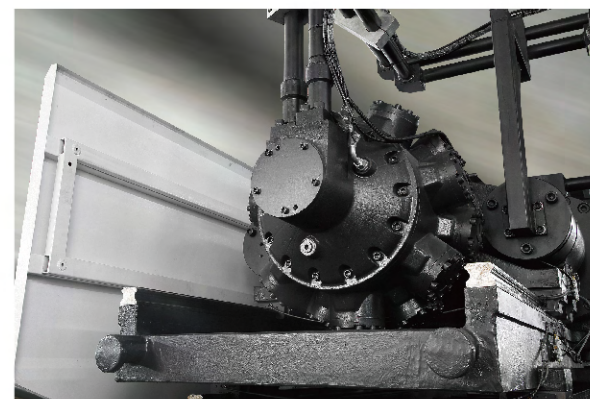
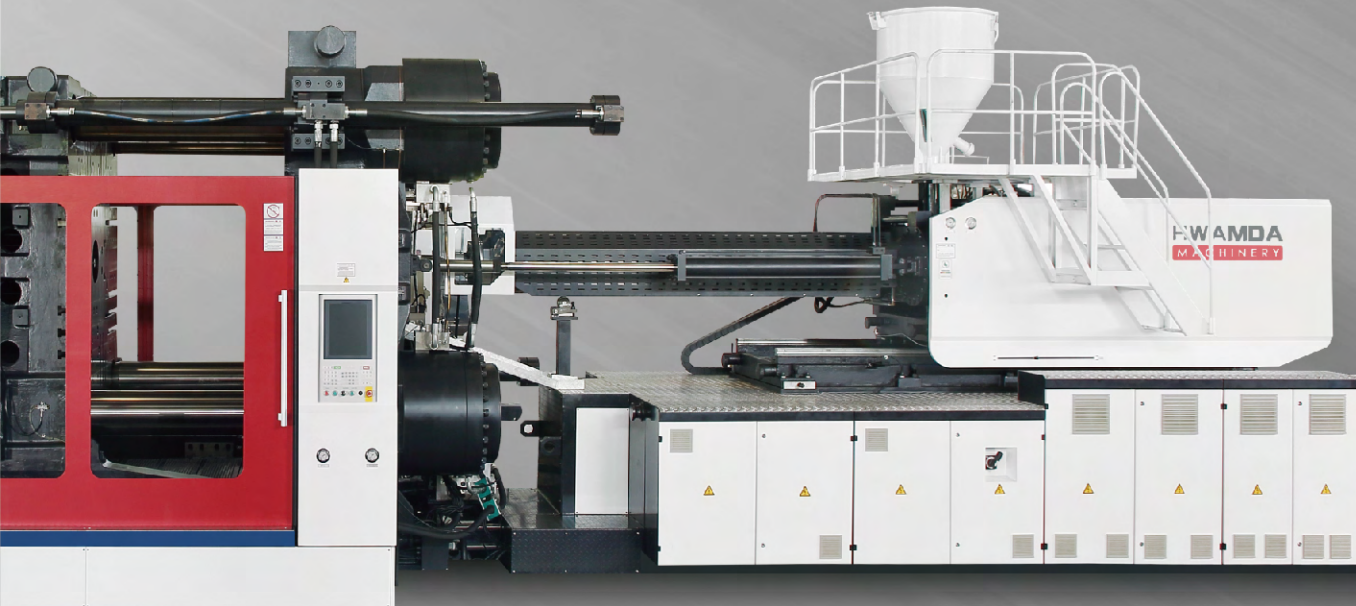
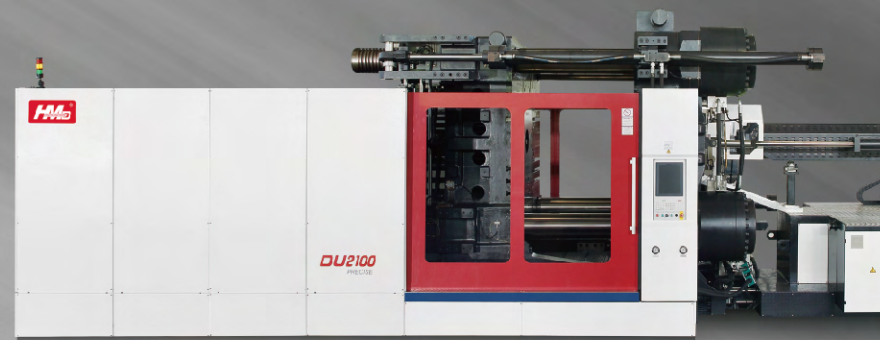
Hwamda has passed the ISO9001, ISO14001, OHSAS18001 and CE certification. All the series of injection machine are equipped with world famous hydraulic & electric elements and control system. Through strict inspection, assembly and test, Hwamda has provided first-class products and services to customers.

"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.



锁模力 CLAMPING FORCE

6500-30000 KN

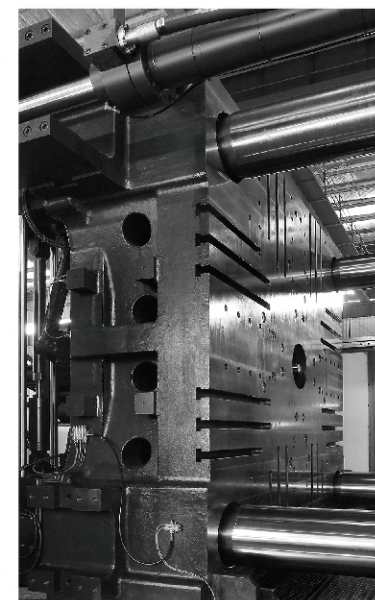


整体落地式射台设计，配合双射移设计，注射稳定。
One whole unit injection unit design, double
cylinder nozzle movement, stable injection
performance.

INJECTION
UNIT
注射单元

CLAMPING UNIT —

锁模单元

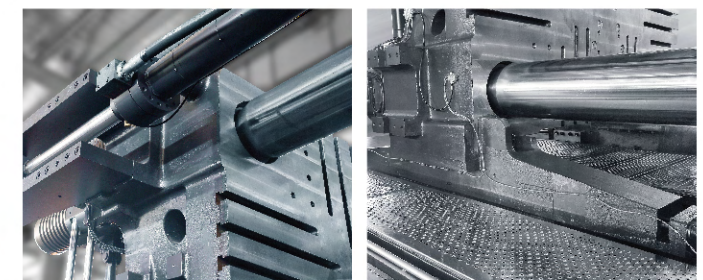


欧式纯二板锁模设计，非接触式拉杆，配合拉杆位置独立调整功能和机械同步式抱闸机构，保证抱闸开闸可靠，高压锁模运行稳定。

EUROPEAN 2 PLATEN CLAMPING UNIT, unique tie bar design, with independent mold adjusts and mold locking, which ensure precise and reliable high pressure mold close.

参数设计相比常规三板机，具有更小的机器外形尺寸，同时具备更大的拉杆内间距，更大的开模行程，更大的顶出行程。

Compare with normal toggle machine, the machine size is smaller, but the tie bar distance is bigger, mold open stroke is larger, ejector stroke is longer.



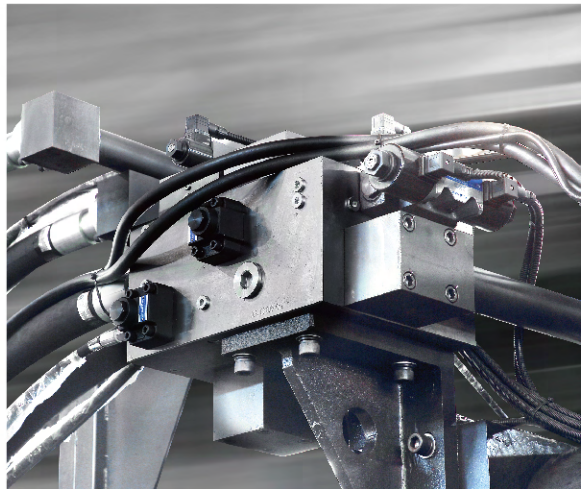
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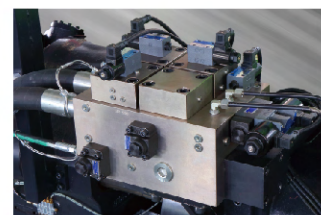
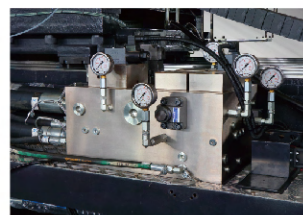
HYDRAULIC UNIT

液压单元



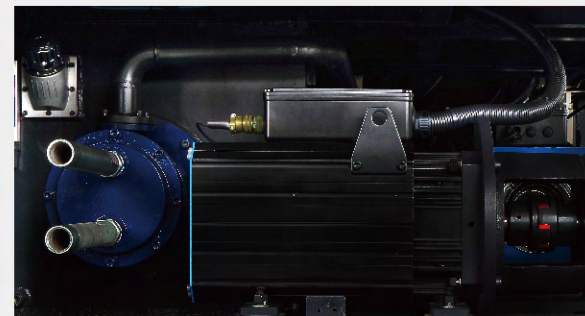
采用闭环永磁伺服泵系统，控制精确、稳定，同时节能。

Sync servo motor enables efficiency response and capacity and offers excellent performance in energy saving.



CONTROL SYSTEM

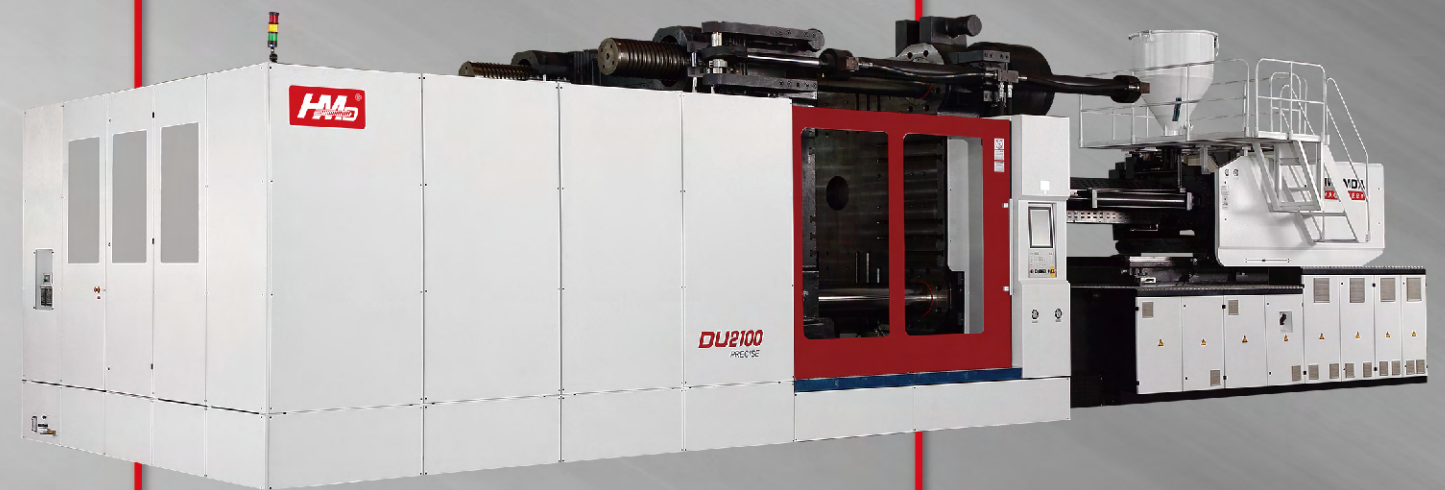
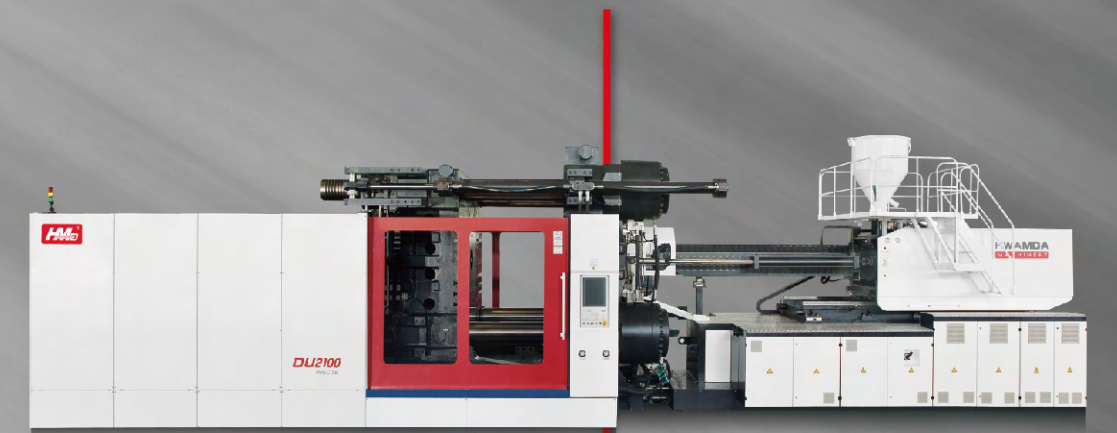
电器和控制系统



采用高阶进口KEBA控制器，控制精准。
KEBA controller, accurate, stable and reliable control.

SPECIALIZED *AND CUSTOMIZED PRODUCT SERVICES*

专业化、定制化的产品服务

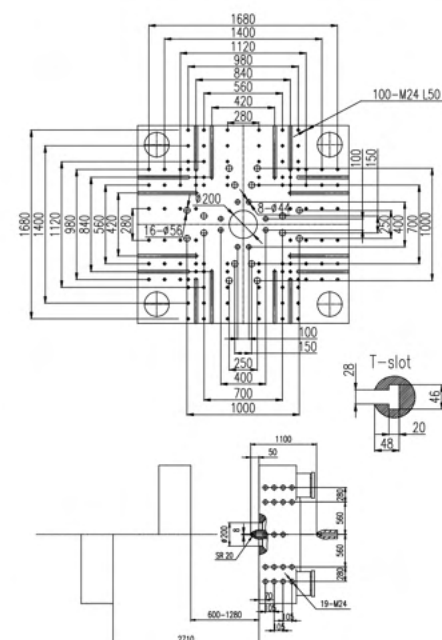
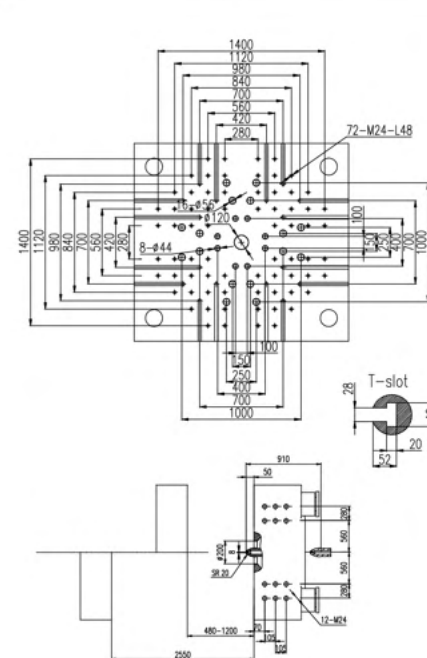
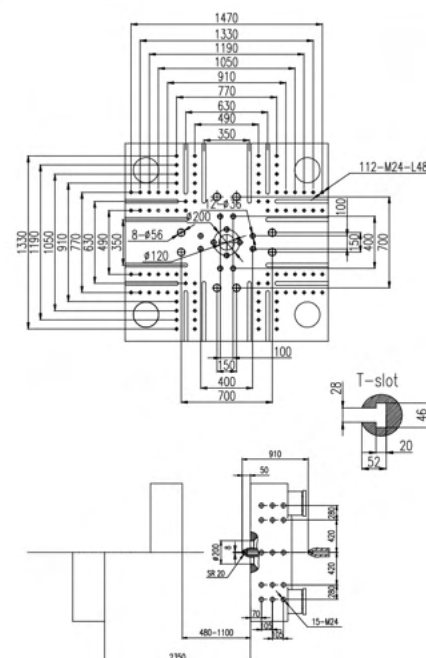
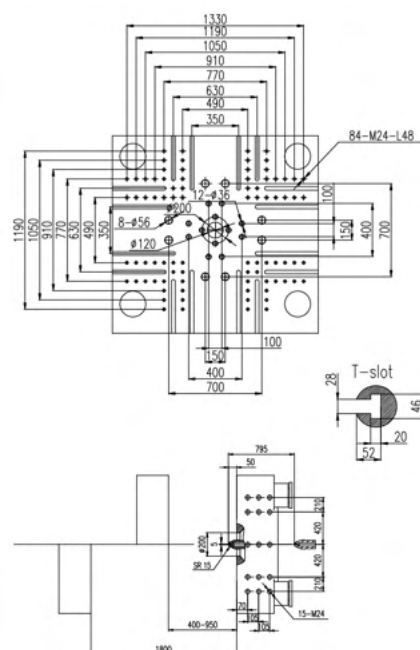
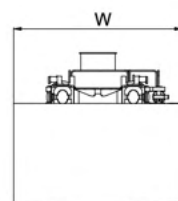
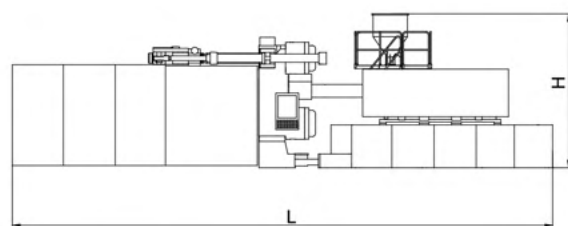


技术参数表 SPECIFICATIONS

参数	PARAMETER	UNIT	HMD DU650				HMD DU850				HMD DU1080				HMD DU1200			
国际公认型号	International size rating	——	4741/650				7222/850				7918/1080				9508/1200			
注射装置	INJECTION UNIT		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
理论注射容量	Injection volume(theoretical)	cm³	2210	2789	3117	3808	3179	3925	4750	5652	3542	4327	5190	6132	4318	5224	6218	7297
注射重量	Injection weight(PS)	g (克)	2012	2546	2836	3465	2893	3571	4321	5143	3223	3938	4723	5580	3929	4754	5657	6640
		oz (盎司)	70	89	99.3	121.3	102.1	126.0	152.4	181.4	113.7	138.9	166.6	196.9	138.7	167.8	199.7	234.3
注射速率	Injection rate(PS)	g/s	610	772	860	1051	626	772	934	1112	751	918	1101	1301	930	1126	1339	1572
螺杆直径	Screw diameter	mm	80	90	95	105	90	100	110	120	95	105	115	125	100	110	120	130
注射压力	Injection pressure	MPa	215	170	153	125	227	184	152	128	223	183	153	129	220	182	153	130
螺杆长径比	Screw L/D ratio	— —	26.8:1	23.7:1	22.5:1	20.1:1	24.5:1	22:1	20:1	18.3:1	24.7:1	22.1:1	20.2:1	18.3:1	25:1	22.5:1	20.7:1	18.6:1
螺杆行程	Screw stroke	mm	440				500				500				550			
螺杆转速	Screw speed	r/ min	0 ~ 175				0 ~150				0 ~150				0 ~ 140			
合模装置	CLAMPING UNIT																	
锁模力	Clamping force	kN	6500				8500				10800				12000			
移模行程	Mold opening stroke	mm	1400/850				1870/1250				2070/1350				2110/1430			
模板尺寸	Platen size	mm	1400×1350				1560×1500				1700×1660				1860×1760			
拉杆内间距	Dist. between tie bars (HxV)	mm	1060×930				1180×1000				1260×1120				1320×1200			
模板最大距离	Max.daylight	mm	1800				2350				2550				2710			
容模量 (最小—最大)	Mold thickness(Min—Max)	mm	400-950				480-1100				480-1200				600-1280			
顶出行程	Ejector stroke	mm	260				300				330				330			
顶出力	Ejector tonnage	kN	182				210				230				230			
动力/电热	POWER UNIT																	
油压系统压力	Hydraulic system pressure	MPa	17.5/21				17.5/21				17.5/21				17.5/21			
油泵马达	Pump motor power	kW	72+36+13				72+48+13				72+72+13				60+60+48+17			
电热功率	Heater power	kW	49.7				65				65.9				76.5			
温度控制区数	Number of temp control zones	— —	6				7				7				7			
其 它	OTHERS																	
油箱容积	Oil tank	L (升)	770				1000				1150				1232			
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	9.2×2.9×2.8				9.5×3.2×3.3				10.2×3.6×3.5				11.4×3.5×3.5			
机器重量	Machine weight	Ton	32				38				46				55			

模板尺寸

PLATEN DIMENSION



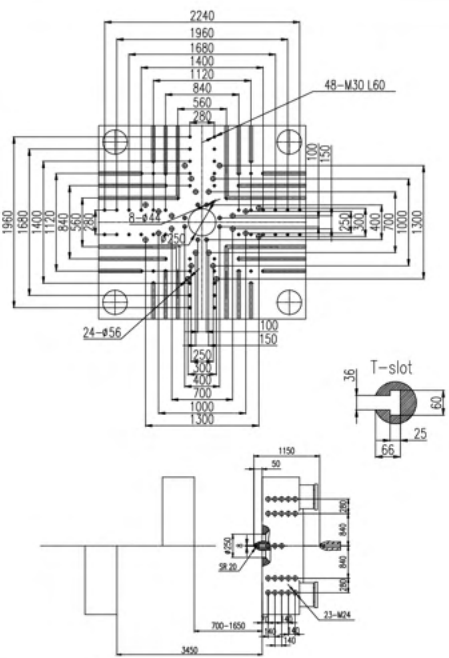
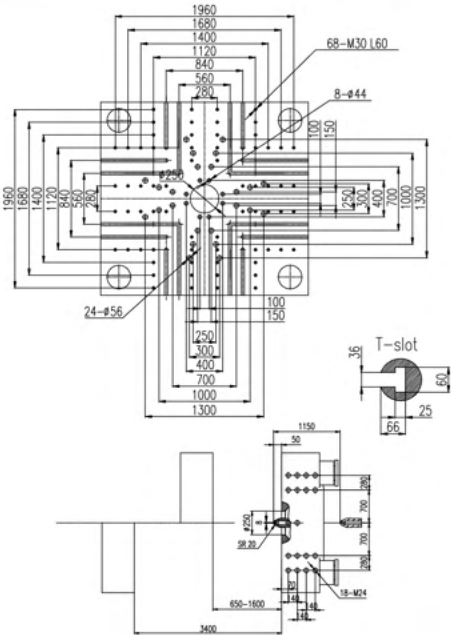
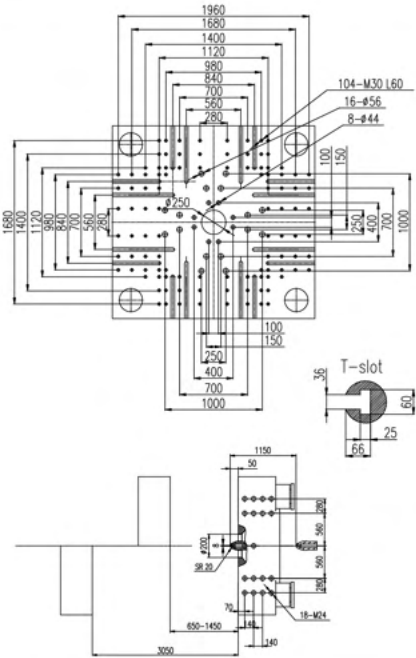
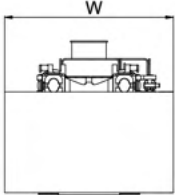
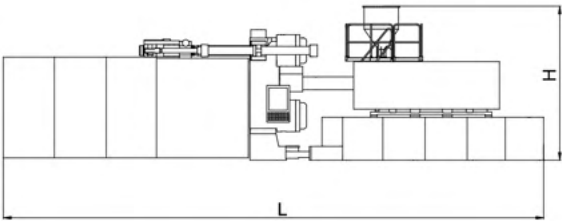
说明：由于产品改进，技术参数的变更，恕不另行通知。

Remark: We reserve the right to make any technical improvement without prior notice.

技术参数表 SPECIFICATIONS

参数	PARAMETER	UNIT	HMD DU1400				HMD DU1600				HMD DU1850			
国际公认型号	International size rating	——	12844/1400				14462/1600				15342/1850			
注射装置	INJECTION UNIT		A	B	C	D	A	B	C	D	A	B	C	D
理论注射容量	Injection volume(theoretical)	cm³	6232	7363	8588	9907	7065	8291	9616	11040	7666	8942	10315	11787
注射重量	Injection weight(PS)	g (克)	5680	6737	7858	9065	6430	7544	8750	10046	6976	8137	9387	10726
		oz (盎司)	200	236.3	275.7	318	226.9	266.3	308.8	354.5	246	287	331	378
注射速率	Injection rate(PS)	g/s	1062	1255	1464	1689	1184	1390	1612	1851	1270	1481	1709	1952
螺杆直径	Screw diameter	mm	115	125	135	145	120	130	140	150	125	135	145	155
注射压力	Injection pressure	MPa	206	174	150	130	205	174	155	131	200	171	149	130
螺杆长径比	Screw L/D ratio	— —	24.2:1	22.3:1	20.6:1	19.6:1	25:1	22.6:1	20:1	18.7:1	24.5:1	22.7:1	21:1	19.7:1
螺杆行程	Screw stroke	mm	600				625				625			
螺杆转速	Screw speed	r/ min	0 ~ 100				0 ~ 110				0 ~ 115			
合模装置	CLAMPING UNIT													
锁模力	Clamping force	kN	14000				16000				18500			
移模行程	Mold opening stroke	mm	2400/1600				2750/1800				2750/1800			
模板尺寸	Platen size	mm	2080×1980				2200×2120				2360×2200			
拉杆内间距	Dist. between tie bars (HxV)	mm	1460×1360				1620×1460				1720×1560			
模板最大距离	Max.daylight	mm	3050				3400				3450			
容模量 (最小—最大)	Mold thickness(Min–Max)	mm	650-1450				650-1600				700-1650			
顶出行程	Ejector stroke	mm	400				400				450			
顶出力	Ejector tonnage	kN	330				330				450			
动力/电热	POWER UNIT													
油压系统压力	Hydraulic system pressure	MPa	17.5/21				17.5/21				17.5/21			
油泵马达	Pump motor power	kW	60+60+60+17				72+72+60+17				72+72+72+17			
电热功率	Heater power	kW	79.6				98.8				97.1			
温度控制区数	Number of temp control zones	— —	7				8				8			
其 它	OTHERS													
油箱容积	Oil tank	L (升)	1570				2300				1950			
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	12×3.7×3.7				12.9×4.0×3.9				13.1×4.2×3.9			
机器重量	Machine weight	Ton	74				85				95			

模板尺寸
PLATEN DIMENSION



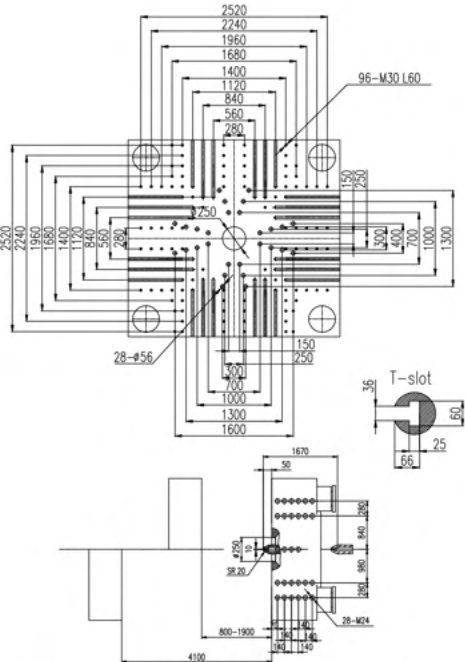
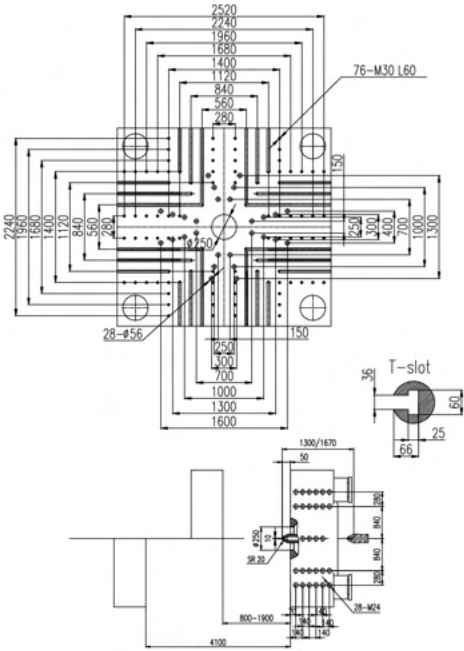
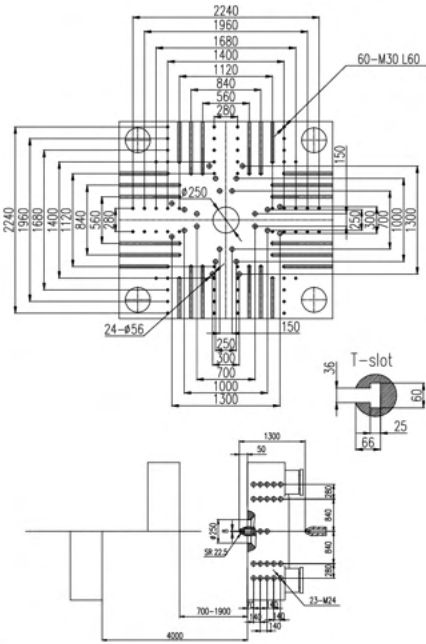
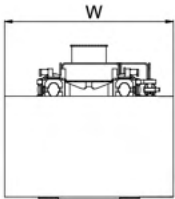
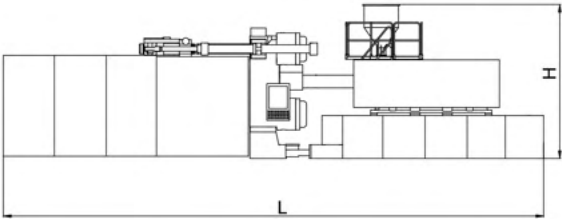
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技术参数表 SPECIFICATIONS

参数	PARAMETER	UNIT	HMD DU2100				HMD DU2500				HMD DU3000			
国际公认型号	International size rating	——	23519/2100				39584/2500		58027/2500		61070/3000			
注射装置	INJECTION UNIT		A	B	C	D	A	B	A	B	A	B	C	D
理论注射容量	Injection volume(theoretical)	cm³	12314	14136	16084	18158	25434	28339	37680	41542	34022	37698	41562	45614
注射重量	Injection weight(PS)	g (克)	11206	12864	14637	16524	23145	25788	34289	37803	30960	34305	37821	41509
		oz (盎司)	392	450	511.8	577.8	816.4	909.6	1209.5	1333.5	1094	1212.2	1336	1466
注射速率	Injection rate(PS)	g/s	1527	1752	1944	2251	1875	2089	2165	2387	1852	2052	2262	2483
螺杆直径	Screw diameter	mm	140	150	160	170	180	190	200	210	190	200	210	220
注射压力	Injection pressure	MPa	191	167	145	130	156	140	154	139	179	162	147	134
螺杆长径比	Screw L/D ratio	— —	24:1	22.4:1	21:1	19.8:1	24:1	22.7:1	21.5:1	20.5:1	23.7:1	22.5:1	21.5:1	20.5:1
螺杆行程	Screw stroke	mm	800				1000		1200		1200			
螺杆转速	Screw speed	r/ min	0~90				0-80		0-65		0-55			
合模装置	CLAMPING UNIT													
锁模力	Clamping force	kN	21000				25000				30000			
移模行程	Mold opening stroke	mm	3300/2100				3300/2200				3300/2200			
模板尺寸	Platen size	mm	2570×2400				2700×2500				2840×2640			
拉杆内间距	Dist. between tie bars (HxV)	mm	1820×1620				1920×1720				2020×1820			
模板最大距离	Max.daylight	mm	4000				4100				4100			
容模量 (最小—最大)	Mold thickness(Min—Max)	mm	700-1900				800-1900				800-1900			
顶出行程	Ejector stroke	mm	450				500				500			
顶出力	Ejector tonnage	kN	450				560				560			
动力/电热	POWER UNIT													
油压系统压力	Hydraulic system pressure	MPa	17.5/21				17.5/21				17.5/21			
油泵马达	Pump motor power	kW	60+60+60+60+17				60+60+60+60+17		72+72+60+60+17		60+60+60+60+60+17			
电热功率	Heater power	kW	109.6				170.7		181		206.9			
温度控制区数	Number of temp control zones	— —	8				11		13		13			
其 它	OTHERS													
油箱容积	Oil tank	L (升)	2500				3350				3850			
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	14.5×4.4×4				17.3×4.65×4.4				17.4×4.9×4.5			
机器重量	Machine weight	Ton	110				145		150		168			

模板尺寸
PLATEN DIMENSION



说明：由于产品改进，技术参数的变更，恕不另行通知。

Remark:We reserve the right to make any technical improvement without prior notice.