

EV HYBRID SERIES INJECTION MOLDING MACHINE

油电混合系列注塑成型机



- ◆ 优化注射运动部件，加快注射速度，提升响应效率，充分满足客户对超薄精密零件的高精度制造需求。

Optimize the injection molding components to accelerate injection speed and enhance response efficiency, fully meeting customers' high-precision manufacturing requirements for ultra-thin precision parts.

- ◆ 专用全硬电镀螺杆，双金属料筒，提升制品的稳定性及料管组寿命。

Equipped with full-hard chromeplate screw and bi-metallic barrel to improve stability and lengthen lifespan of screw & barrel.

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

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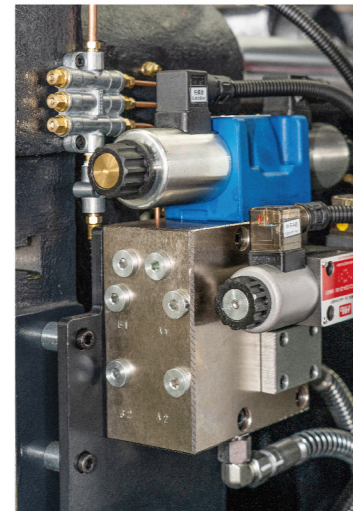
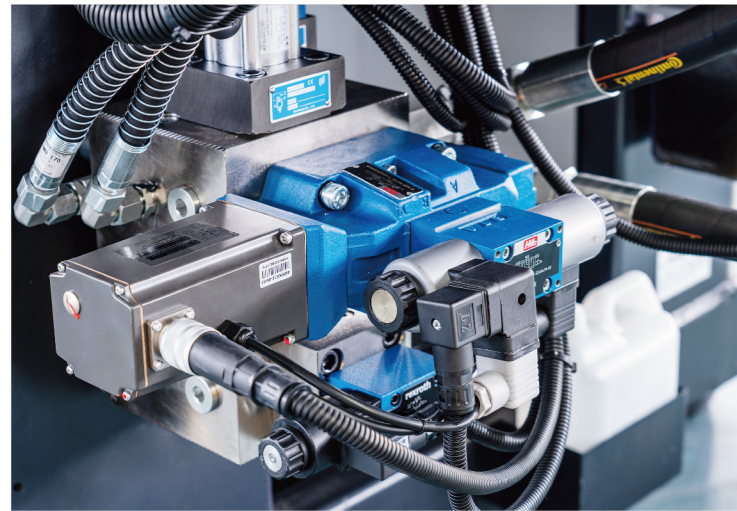


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- ◆ 注射机构采用模块化设计理念，相同锁模部件可与不同规格的注射部件自由组合，每种吨位的机型均可以配备大，中，小三种不同规格的射台，满足客户对不同产品的注射量需求。

Wide variety injection unit with modular design can be provided depending on the features of molded product.

- ◆ 低惯量的注射部件设计，匹配大功率全电动专用高响应电机，使得机器注射动态响应性能极佳。

Using low-inertia injection component design, and matching high-power motor which is special for all-electric machine, to improve the machine injection response performance.



- ◆ 高响应全电动注塑机专用电脑，配合EATHERCAT总线通讯技术，抗干扰能力强，运算速度和数据实时传输快，控制精度高，制品稳定性高。

The high performance controller co-effective with EATHERCAT can-bus system offers high efficiency anti-jamming performance and high speed internal calculation to guarantee real-time bulk data transfer and precise control.

- ◆ 配置高精度开合模比例阀，开模定位精度可以达到0.2mm。

Equipped with high-precise clamping proportional valve, the positioning accuracy can reach 0.2mm.

技术参数表 SPECIFICATIONS

参数	PARAMETER	UNIT	HMD EV90				HMD EV130				HMD EV170						HMD EV218						HMD EV268							
国际认证号	International size rating	—	C210h				C210h				C210h			C430			C430			C620			C620		C850					
注射装置	INJECTION UNIT																													
理论注射容量	Injection volume(theoretical)	cm ³	74	86	113	142	74	86	113	142	74	86	113	142	204	251	318	204	251	318	251	318	392	251	318	392	342	422	511	
注射重量	Injection weight(PS)	g (克)	67.3	78	102	130	67.3	78	102	130	67.3	78	102	130	186	228	289	186	228	289	228	289	357	228	289	357	311	384	465	
		oz (盎司)	2.37	2.75	3.6	4.59	2.37	2.75	3.6	4.59	2.37	2.75	3.6	4.59	6.5	8.1	10.2	6.5	8.1	10.2	8.1	10.2	13.2	8.1	10.2	13.2	11.0	13.5	16.4	
注射速度	Injection speed	mm/s	440				440				440						300			300			250			250		250		
注射速率	Injection rate(PS)	g/s	214	246	321	407	214	246	321	407	214	246	321	407	278	342	434	278	342	434	285	361	446	285	361	445	361	446	540	
螺杆直径	Screw diameter	mm	26	28	32	36	26	28	32	36	26	28	32	36	36	40	45	36	40	45	40	45	50	40	45	50	45	50	55	
注射压力	Injection pressure	MPa	300	276	211	167	300	276	211	167	300	276	211	167	248	201	160	248	201	160	251	198	160	251	198	160	250	203	167	
连续保压压力	Continuous holding pressure	MPa	225	207	158	125	225	207	158	125	225	207	158	125	186	151	120	186	151	120	188	148	120	188	148	120	200	162	134	
螺杆长径比	Screw L/D ratio	—	22.8	23.4	20.5	18.2	22.8	23.4	20.5	18.2	22.8	23.4	20.5	18.2	23.3	21	18.6	23.3	23.6	21	23.6	21	18.9	23.6	21	18.9	23.3	21	19.1	
螺杆行程	Screw stroke	mm	140				140				140						200			200			200			215				
螺杆转速	Screw speed	r/ min	400				400				400						400			360			300			300				
合模装置		CLAMPING UNIT																												
锁模力	Clamping force	kN	900				1300				1700						2180						2680							
移模行程	Mold opening stroke	mm	320				380				450						510						560							
模板尺寸	Platen size	mm	535 x 535				630 x 610				710 x 690						780 x 780						835x835							
拉杆内间距	Dist. between tie bars (H x V)	mm	360 x 360				430 x 410				480 x 460						530 x 530						580 x 580							
模板最大距离	Max.daylight	mm	680				840				970						1060						1160							
容模量 (最小—最大)	Mold thickness(Min—Max)	mm	150 ~ 360				150 ~ 460				180 ~ 520						200 ~ 550						220 ~ 600							
顶出行程	Ejector stroke	mm	100				125				140						140						160							
顶出力	Ejector tonnage	kN	31				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						17.5							
油泵马达	Pump motor power	kW	28.1				28.1				28.1			50.7			50.7			50.7			50.7		50.7					
电热功率	Heater power	kW	6.92				6.92				6.92			10			10			15			15		18					
温度控制区数	Number of temp control zones	—	4				4				4			4			4			4			4		6					
其它		OTHERS																												
油箱容积	Oil tank	L (升)	135				135				170						270						325							
外形尺寸 (L x W x H)	Machine dimension (L x W x H)	m	4.4 x 1.4 x 2.0				5.2 x 1.5 x 2.1				5.9 x 1.6 x 2.1						5.7 x 1.8 x 2.4						6.2x1.7x2.3							
机器重量	Machine weight	Ton	3.6				4				5						7						9							

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.