

HX-HIGHSUN is one of the most professional Injection Molding Machine manufacturer with more than 40years' history (founded 1973) in China.

As one of the leading innovator and developer of Injection Molding Machine, HX-HIGHSUN has the world's first class production plant occupied more than 100 million square ft; equipped with the most advanced CNC machining system and processing equipments & inspection devices (CNC utilization ratio: above 83%) , achieve with mass production with higher-quality and quicker-delivery.

Production capacity may reach 7000sets per year. Supply variety of series with clamping force from 65ton to 3000ton coverage with HXF (standard proportional fix pump), HXW(variable pump), HXM(servo drive),HXH(high-speed performance) , Hybrid & Full electric, Two-platen and special solution as PET series, PVC series, BMC series, etc.

Realized more than 100million US\$ sales in 2017, constantly keep 15% increase in sales in the past 3years; and from 2013 to 2017, a fourth consecutive HX awarded TOP-3 leader by CPIMMA for comprehensive strength of IMM manufacture and develop.

Based on strict management, superior quality, stressing reputation and paying attention to service, HX-HIGHSUN hot sale to Europe and United States, Asia, Africa and the world, won majority of customers good reputation and recognition.



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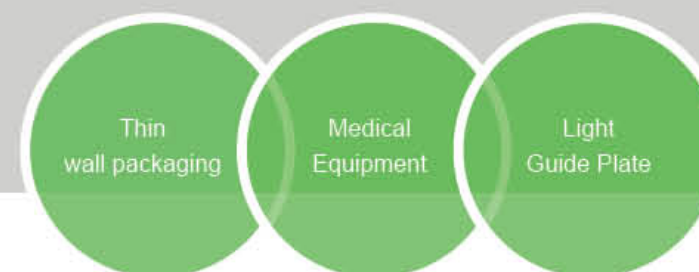
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HIGHSUN
High-Speed Solution

海雄薄壁高速机系列

HIGHSUN High-Speed Solution

海雄薄壁高速机系列是在多年实验、研究的基础上专门针对成型周期短、高速注射成型的制品精心打造的。在运动特性、机器精度、使用寿命等方面表现卓越。广泛应用于包装类塑料制品、医疗类塑料制品、3C 电子产品的生产。

HIGHSUN thin-wall high speed IMM series is based on years of experiment and researching, specifically for the molding cycle is short, high speed injection molding requirement products. Outstanding performance in the aspects of motion characteristics, machine precision, service life and so on. Widely used in packaging, medical and 3C electronic products.



- 1 料筒采用红外线加热保温装置。该装置为红外线辐射加热方式，具有加热快、高效、节能、使用寿命长等优点。

The barrel adopts infrared ray heat insulation device. With infrared ray radiation heating mode, it has quick heating, high efficiency, energy saving, longer service life and other advantages.

- 2 动模板位置测量采用磁致伸缩位移传感器。为无接触式测量，传送数字信号，测量数据精准可靠，重复精度高，全面提升动模板的位置精度。

The position measurement of moving mold-plate adopts the magnetostrictive displacement sensor. Using the non-contact measurement, it can transmit digital signals and make the measuring data accurate and reliable. Meanwhile, with the high repeat precision, it can fully improve the position precision of the moving mold-plate.

- 3 经过优化设计的曲肘连杆合模机构，具有平稳的运动曲线和更高的强度设计，使机构高速运动时动作平稳，并且有更长的使用寿命。

With optimized design of bent elbow connecting rod clamping structure, it has a smooth movement curve. With higher strength design, it makes the unit run steadily and have a longer service life.

- 4 全新设计的斜楔式动模板滑脚结构，加大支撑面积，支撑点前移，在装载模具时可有效保持机器的模板平行精度。

The feet slip structure of moving mold-plate is new designed oblique-wedge. It increases the support area and makes the point forward. While loading the mold, it can effectively keep the parallel precision of the mold-plate.



Product advantages 产品优势

- 电脑控制系统采用 CANbus EtherCAT 等总线通讯，实现全数字化控制。
- 温控采用专用控制模块，精确度为 1 度。
- 具有电力监测功能，可监测当前生产的能耗状况。
- With CANbus EtherCAT bus communication , the computer system is full digital controlled.
- The temperature control adopts special control module. The accuracy can achieve 1 degree.
- With the power monitoring function, it can monitor the current energy consumption during the production.



专用的单缸注射结构，大幅减少高速注射时的回油量，降低了注射时的回油压力，从而提高了机器注射时的加速度。

The special single cylinder structure drastically reduces the return-oil amount during the high speed injection. At the same time, it reduces the return-oil pressure. In this way, it increases machine injection acceleration.



曲肘连杆处及导杆处采用石墨钢套，配合稀油润滑，具有更好的承载性和耐磨性。使机器具有更长的使用寿命。

In using the graphite steel sets as well as thin oil lubrication, the bent elbow connecting rods and guide bars have better bearing resistance and abrasive resistance. The machine has a longer service life.



开关模动作采用比例方向阀控制，具有动作加速迅速、高速运行平稳、开模位置控制精准的特点。

Controlled by the proportional direction valve, the movement can accelerate quickly. During the high speed running, it can operate steadily and precisely control the mold open position.



液压系统采用双伺服驱动控制，具有高效节能、低噪音的优点，可实现开模、储料同步功能。

The hydraulic system adopts double servo drive control. It has the advantages of high efficiency, energy saving and low noise. Meanwhile, it can realize mold-open and charge synchronization function.

Thin-wall snack-box series

- 名称：圆形、方形快餐盒体 Name: Circular Snack、Square Snack –Box Body
- 原料：PP Material: PP
- 重量：16.8g Weight: 16.8g
- 模具：一出四 Mold: Four Cavities
- 使用机型：HXH350 Machine Model: HXH350
- 成型周期：5.2s Molding Cycle: 5.2s
- 名称：圆形、方形快餐盒盖 Name: Circular Snack、Square Snack –Box Cover
- 原料：PP Material: PP
- 重量：7.2g Weight: 7.2g
- 模具：一出八 Mold: Eight Cavities
- 使用机型：HXH430 Machine Model: HXH430
- 成型周期：5.8s Molding Cycle: 5.8s

薄壁餐盒系列



Thin-wall milky-tea cup、atypical snack –box series

- 名称：奶茶杯 700ml Name: Milky-Tea Cup 700ml
- 原料：PP Material: PP
- 重量：21g Weight: 21g
- 模具：一出六 Mold: Six Cavities
- 使用机型：HXH350 Machine Model: HXH350
- 成型周期：8s Molding Cycle: 8s
- 名称：异形餐盒 Name: Atypical Snack – Box
- 原料：PP Material: PP
- 主打产品：多格、非标类 Major Products: Multiple Squares、Non Standard Snack – Box
- 使用机型：HXH260、HXH350 Machine Model: HXH260、HXH350
- 成型周期：5.2s Molding Cycle: 5.2s

薄壁奶茶杯、异形餐盒系列



Packaging Series 包装系列



Tableware Series 餐具系列



Milky-Tea Cup 奶茶杯



SPECIFICATIONS 产品规格

				HXH160		HXH200		HXH260		HXH350		HXH430		HXH520	
				A	B	A	B	A	B	A	B	A	B	A	B
注射装置 Injection Unit	螺杆直径	Screw diameter	mm	40	45	45	50	50	55	55	60	55	60	60	65
	螺杆长径比	Screw L/D ratio	L/D	22	20	24	22	24	22	24	22	24	22	24	22
	理论注射容积	Injection capacity in theory	cm ³	232	294	341	422	422	510	582	692	582	692	692	846
	注射重量	Injection weight(ps)	g	211	268	311	384	384	464	529	630	529	630	630	770
	注射压力	Injection pressure	MPa	237	187	211	171	191	158	175	148	175	148	148	126
	注射速度	Injection velocity	mm/s	250		250		310		320		350		380	
	塑化能力	Plasticizing capacity	g/s	28	40	46	57	57	80	80	97	80	97	97	110
	螺杆转速	Screw speed	rpm	400		400		400		400		400		400	
合模装置 Clamping Unit	合模力	Clamping force	kN	1600		2000		2600		3500		4300		5200	
	移动模板行程	Moving mould-plate stroke	mm	420		500		530		630		690		780	
	最大模厚	Max.Mould height	mm	530		580		600		650		780		800	
	最小模厚	Min.Mould height	mm	150		200		230		250		280		320	
	拉杆有效间距	Space between tie-bars	mm	520 x 470		570 x 520		610 x 560		710 x 660		760 x 710		820 x 770	
	液压顶出力	Hydraulic ejector force	kN	62		76		80		125		181		181	
	液压顶出行程	Hydraulic ejector stroke	mm	130		150		150		180		180		200	
	顶出点数	Ejector number	n	5		9		13		13		13		13	
其它 Other	油泵压力	Pump pressure	MPa	17.5		17.5		17.5		17.5		17.5		17.5	
	驱动功率	Motor/Driving power	kW	37		37		30+30		37+37		37+45		45+45	
	加热功率	Heating capacity	kW	13.55		16.8		17.8		20.3		20.3		28	
	外形尺寸	Machine dimension	m	5.37 x 1.50 x 1.80		5.80 x 1.75 x 2.05		6.49 x 1.80 x 2.11		7.20 x 1.88 x 2.12		7.5 x 1.96 x 2.10		7.85 x 2.00 x 2.40	
	机器重量	Machine weight	t	7.0		8		10		13.5		16		17.5	
	油箱容积	Oil tank capacity	L	280		410		560		800		850		1000	
模板正面尺寸 Platen Dimensions(frontal)															
	模板侧面尺寸 Platen Dimensions(flank)														
		外型尺寸 Machine Dimensions													

*产品技术参数更改, 恕不另行通知 / Due to continual improvement, specifications are subject to change without notification