



PLASTICS MACHINERY CORPORATION

宁波海雄塑料机械有限公司

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NINGBO BEILUN HIGHSUN MACHINERY CO.,LTD.

地址：中国宁波市北仑区甬江南路36号

Add: No.36 Yongjiang South Road, Beilun District, Ningbo, China

Tel: +86-574-86961055; +86-574-86961178

Website: www.highsun-machinery.com

Ningbo Beilun Highsun Machinery Co.,Ltd.

HIGHSUN HIGHSUN MACHINERY



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版

HXM 系列伺服节能注塑机 | **SP** 系列注塑机 | **HXH** 系列高速注塑机 | **HXYD** 系列油电复合注塑机

HXS 系列清双色注塑机 | **HXZ** 系列二板式注塑机 | **PET** 瓶胚系列注塑机



国家重点支持高新技术企业

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缔造中国一流的高性能注塑机制造商!



TO BE THE NATIONAL TOP MANUFACTURER
OF HIGH-PERFORMANCE PLASTICS INJECTION MOLDLING MACHINES!



COMPANY PROFILE

公司简介

3

综合实力前三强制造商
Honored with "Top 3" manufacturer of comprehensive strength by NBPMA over the past decade.

50⁺

销往全球50多个国家
Sold to more than 50 countries around the world

50⁺

50年创建历史
Established in 1973. Concentrate on Injection Molding field more than 48 years.

7000⁺

年产量7000多台
Annual output more than 7000 sets, ensuring faster delivery time.

120000⁺

占地面积12万平方米
It covers an area of 120000 square meters

130,000,000⁺

全球销量1.3亿美元
Worldwide sales reached 130 million US dollars, exports maintain steady growth.



宁波海雄塑料机械有限公司, 地处“中国塑机之都”——浙江省宁波市北仑科技园区, 专业生产“海雄”牌高档精密塑料注射成型机。“走科技路, 造高档机”是海雄的经营宗旨, “追求卓越、塑造完美”是海雄的经营理念。

海雄公司长期致力于精细化管理和零缺陷施工, 形成了以小型油电机、中型连杆机、大型二板机为代表的海雄特色系列。

海雄凭借强大的研发能力、优良的加工设备、专业的售后服务、诚信的经营作风, 产品畅销全国各地。

Ningbo Highsun Plastic Machinery Co., Ltd. is located in Beilun science and Technology Park, Ningbo, Zhejiang Province, which is the "capital of plastic machines in China". It specializes in the production of "Highsun" brand high-grade precision plastic injection molding machines. "Taking the road of science and technology and making high-grade machines" is Highsun's business purpose, "pursuing excellence and shaping perfection" is Highsun's business philosophy.

Highsun company has long been committed to fine management and zero defect construction, and has formed a Highsun characteristic series represented by small oil motor, medium connecting rod machine and large second board machine.

With strong R & D capability, excellent processing equipment, professional after-sales service and honest business style, Highsun's products sell well all over the country.

R&D TECHNOLOGY

INDEPENDENCE, INNOVATION, EXCELLENCE!

自主创新, 精益求精!

敬业的技术团队, 先进的研发技术, 一流的产品品质, 及时周到的服务, 为企业带来良好的口碑以及多项荣誉。

The company owns a good reputation and several honors. It all depends on the dedicated technique team, advanced R&D technology, first-class product quality as well as the timely and thoughtful service.



“高新技术企业证书”
Certificate of High-tech Enterprise



“专利证书”
Certificate of Utility Model Patent



塑料机械工程技术中心
Engineering Technology Center
of Plastic Machinery



浙江省著名商号
Zhejiang Famous Firm

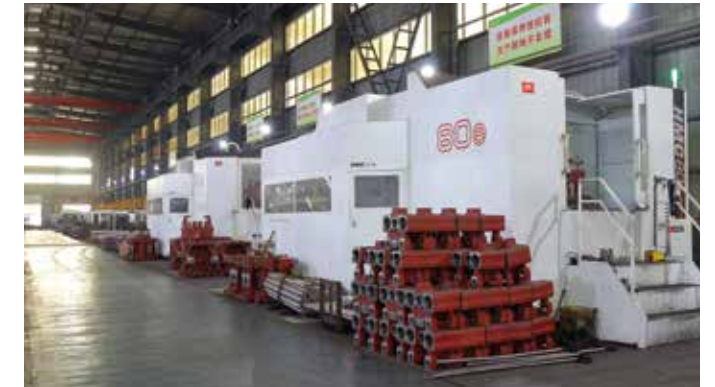


“浙江名牌产品证书”
Certificate of Zhejiang Name Brand



PROCESSING ABILITY WELL-EQUIPPED, ENSURING TOP QUALITY!

装备精良,确保一流品质!



卓越的品质来自严格科学的生产过程。在海雄, 产品质量被视为企业的生命。

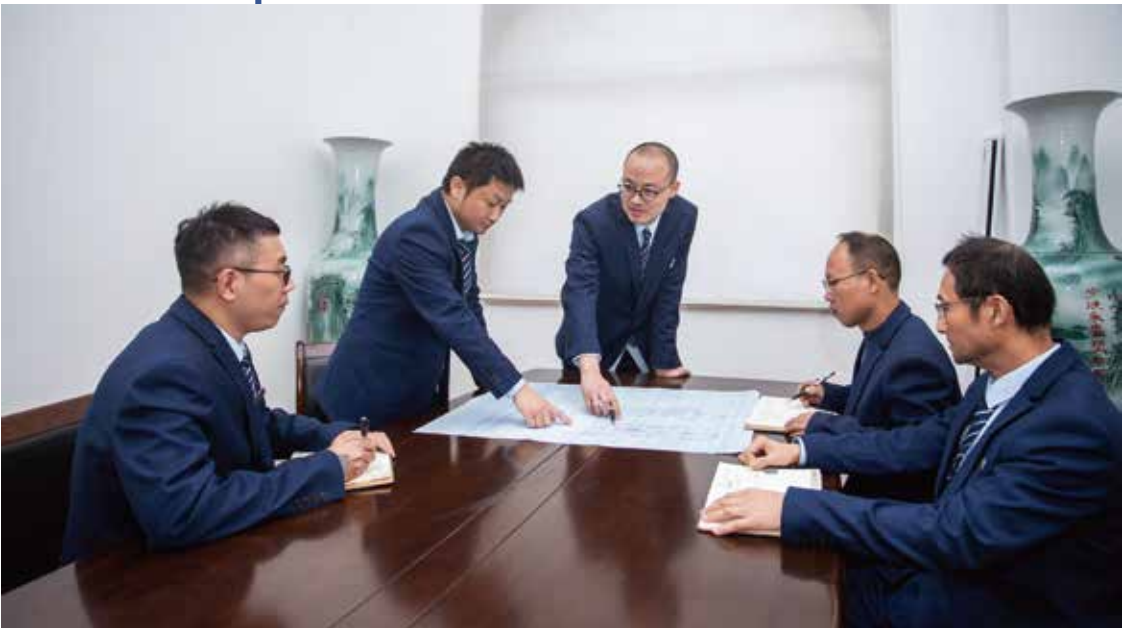
Excellent quality comes from the strict and scientific production process. In Highsun product quality is considered to be the life of the company.

机加工零件生产车间购进多台加工中心, 大型数控镗铣床, 确保生产的效率与精度。

The workshop has purchased many processing centers and large-size milling machines, so the production efficiency and accuracy can be guaranteed.

PERFECT DESIGN

追求完美的设计



优良的品质必然要用精湛的技术打造,以满足日益提高的客户要求为己任,以追求卓越塑造完美的理念,精益求精设计,为客户设计出技术领先的产品。

Good quality must rely on the excellent technology.
Our mission is to meet the increasing customers' requirements.
With the pursuit of perfect design, we have produced leading machines for the customers.



检测队伍 INSPECTION TEAM

海雄的检验检测队伍均为业内资深人员,具有丰富的专业知识和经验。

The company's inspection and testing team are all veterans with rich professional knowledge and experience.

检测标准 INSPECTION STANDARD

按照国家标准和国际标准的要求,海雄针对不同机型产品制定了严格的品质检测标准。
完美的检测标准,确保了机械制造过程的质量。

According to the national and international standard request,Highsun formulates strict quality testing standard based on different types of products.The perfect testing standard ensures the quality of mechanical manufacturing process.



QUALITY INSPECTION PERSIST IN PERFECTIONISM, PURSUE ZERO DEFECT!

塑造完美,追求零缺陷!

我们的战略目标是： 缔造中国一流的高性能注塑机制造商！

OUR OBJECTIVE IS TO BE THE NATIONAL TOP MANUFACTURER
OF HIGH-PERFORMANCE PLASTICS INJECTION MOLDLING MACHINES!

核心价值

创造性
Creativity

挑战精神
Challenge spirit

正确的价值观
Correct values

相互信赖
Mutual trust

现在,海雄已经迈开了国际化的步伐。路漫漫其修远兮,海雄人将会在更大的舞台上不断创造更多奇迹。有了您的支持,我们将走得更远。

Now, Highsun has taken up the pace of internationalization. With your support, Highsun will create more miracles on a larger stage in future.

海雄历来十分重视新产品的研发工作,一直以满足客户需求作为公司发展的目标。以高质量让客户满意,并不断提升自己的实力来满足市场需求。

Highsun has always attached great importance to new products, and regards meeting customer requirements as the company's development goals. We win customer satisfaction through the high-quality, and continuously upgrade our skills to meet market demand.



ENTERPRISE CULTURE

企业文化



企业使命:

为顾客创造价值、为股东创造效益、
为员工创造机会、为社会创造和谐

Enterprise Mission:

Create value for customers, benefit for
shareholders, opportunities for employ-
ees, and harmony for society;



发展战略:

管理规范化、经营品牌化、
服务网络化、合作共赢化

Development Strategy:

Management in Standardization,
Operation in Branding, Service through
Network, Cooperation for win-win



核心价值观:

以客户为关注点(价值目标),以奋斗者为本
(价值取向),诚信经营(价值准则)

Core values:

Focus on the customers(value goal),based
on thestrivers(value orientation),manage
sincerely(value criterion).



战略目标:

缔造中国一流的高性能注塑机制造商

Strategy Objective:

To be the national top manufacturer of
high-performance plastics injection
molding machines!



企业精神:

(工作)勤奋、(管理)务实、
(思维)进取、(措施)创新

Enterprise Spirit:

Diligent, Practical, Enterprising, Innovative!



经营理念:

追求卓越、塑造完美

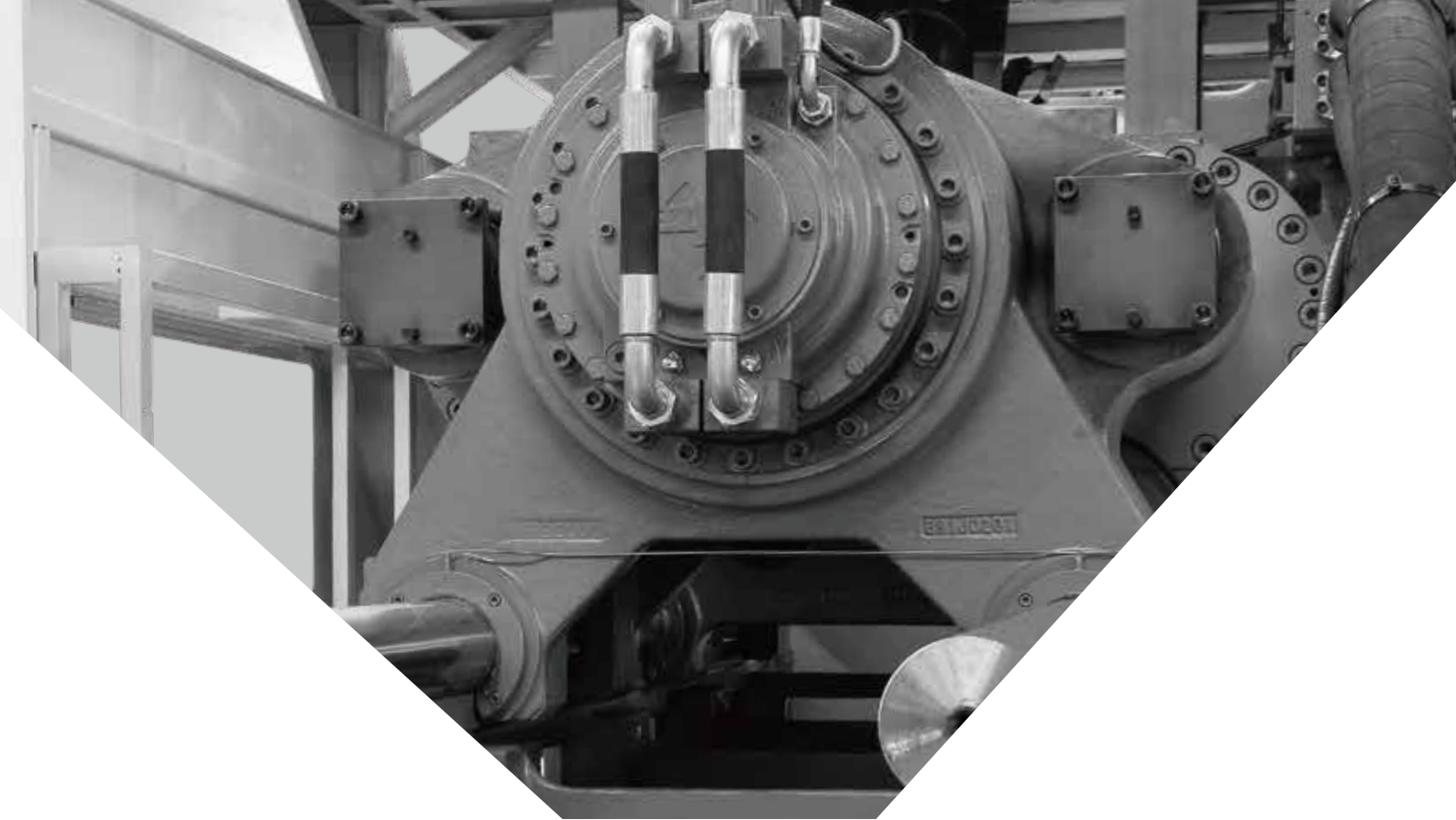
Business Philosophy:

Pursue the Excellence, Mold Perfectly

HXM SERIES

伺服节能型注塑机

SERVO ENERGY-SAVING
INJECTION MOLDING MACHINE



超强节能 SUPER ENERGY SAVING

输出功率随负载变化而变化,不存在多余能量的浪费,保压阶段伺服电机低速运转,耗能极低,冷却阶段电机不工作,耗电为零。与普通注塑机相比,节能达20%~80%。

Output power varies with the load, and no energy is wasted. In the holding pressure phase, the servo motor will reduce speed, with low energy consumption; during the cool-down period, the motor does not work, with zero power consumption. Compared with the ordinary injection molding machines, it can save 20%-80% of the power.

精密、稳定 HIGH PRECISION AND HIGH STABILITY

配备高精度、高灵敏旋转编码器、压力传感器,分别对流量与压力进行监控与反馈。依据反馈信息,高性能同步伺服电机通过改变转速和扭矩对流量与压力进行相应调整,形成高精闭环控制,从而确保产品质量的稳定。

Equipped with the precise pressure sensor and rotary encoder, it can respectively monitor and feed back on flow and pressure. Based on the feedback, the high performance synchronous servo motor will adjust flow and pressure accordingly by changing the speed and torque. The closed-loop control can ensure the stability of product quality.

高响应、高效率 HIGH RESPONSE AND HIGH EFFICIENCY

伺服节能注塑机的驱动系统响应灵敏迅速,仅需0.05秒即可达到最大输值。响应速度远远快于普通注塑机驱动系统,从而显著地缩短了成型周期,生产效率得到大幅度提高。

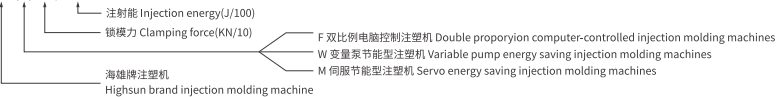
The driving system responds with high sensitivity. It takes only 0.05 seconds to reach maximum value. The response speed is much faster than the ordinary injection molding machines. In that way, it significantly shortens the cycle time and increases the production efficiency.



参数	PARAMETER	UNIT	HX(*)98/370				HX(*)138/460			HX(*)168/670				HX(*)208/750				HX(*)228/870				HX(*)268/1100			
注射装置	INJECTION UNIT		A	B	C	D	A	B	C	a	A	B	C	a	A	B	C	A	B	C	D	A	B	C	D
螺杆直径	Screw diameter	mm	32	35	38	40	35	38	42	38	42	45	48	40	42	45	48	45	50	55	60	50	55	60	65
螺杆长径比	Screw L/D ratio	L/D	24	22	21	20	23	22	20	24	22	21	20	24	23	22	21	22	20	19	19	22	20	19	19
理论注射容积	Injection capacity in theory	cm³	128	154	181	200	192	226	277	260	318	365	416	320	353	405	461	381	471	570	678	490	593	706	829
注射重量	Injection weight(ps)	g	116	140	164	182	175	206	252	237	289	332	378	291	321	369	419	347	428	518	617	446	540	643	754
		oz	4.0	4.9	5.7	6.4	6.1	7.2	8.8	8.3	10.1	11.7	13.3	10.2	11.3	13.0	14.7	12.2	15.1	18.2	21.7	15.7	19.0	22.6	26.5
注射压力	Injection pressure	MPa	287	240	203	183	240	203	166	260	212	185	163	234	212	185	163	229	186	153	129	224	185	155	132
注射速率	Injection rate	g/s	68	81	95	109	101	119	146	117	143	164	187	130	143	164	187	167	206	219	297	204	247	294	345
塑化能力	Plasticizing capacity	g/s	10	12	15	17	12	15	15	13	15	20	23	14	15	20	23	20	26	33	40	26	33	40	45
螺杆转速	Screw apeed	rpm	240				265			220				190				200				200			
合模装置	CLAMPING UNIT																								
合模力	Clamping force	kN	980				1380			1680				2080				2280				2680			
移动模板行程	Moving mould-plate stroke	mm	315				390			450				500				520				550			
最大模厚	Max.Mould height	mm	390				450			500				550				580				600			
最小模厚	Min.Mould height	mm	150				150			150				200				200				230			
拉杆有效间距	Space between tie-bars	mm	360 x 340				420 x 370			470 x 430				530 x 480				570 x 520				620 x 570			
液压顶出力	Hydraulic ejector force	kN	56				56			56				56				86				86			
液压顶出行程	Hydraulic ejector stroke	mm	100				120			130				140				150				170			
顶出点数	Ejector number	n	5				5			5				5				9				13			
其 它	OTHER																								
油泵压力	Pump pressure	MPa	17.5				17.5			17.5				17.5				17.5				17.5			
电机功率	Motor power	kW	16				16			21				21				30				30			
加热功率	Heating capacity	kW	8.2				10.5			10.95				12.95				13.55				16.83			
外形尺寸	Machine dimension	m	4.12 x 1.05 x 1.79				4.28 x 1.05 x 1.86			4.93 x 1.31 x 1.93				5.38 x 1.28 x 2.04				5.64 x 1.34 x 2.10				5.88 x 1.41 x 2.15			
机器重量	Machine wight	t	2.7				3.2			4.3				5.2				7.0				8.0			
油箱容积	Oil tank capacity	L	130				160			200				200				250				300			
模板正面尺寸 Platen Dimensions(frontal)																									

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

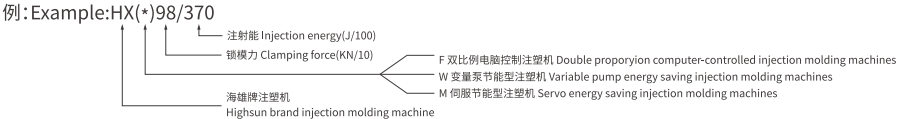
例:Example:HX(*)98/370





参数		UNIT	HX(*)318/1600				HX(*)368-I/2300			HX(*)368-II/2400			HX(*)428-I/2400		HX(*)428-II/3300		
注射装置	INJECTION UNIT		A	B	C	D	A	B	C	A	B	C	A	B	A	B	C
螺杆直径	Screw diameter	mm	55	60	65	70	60	65	70	65	70	75	65	70	70	75	80
螺杆长径比	Screw L/D ratio	L/D	22	21	19	19	22	21	20	22	21	20	22	21	21	20	19
理论注射容积	Injection capacity in theory	cm³	736	876	1028	1193	989	1161	1346	1211	1401	1612	1211	1401	1539	1767	2010
注射重量	Injection weight(ps)	g	670	797	936	1085	900	1056	1225	1102	1278	1467	1102	1278	1400	1608	1829
		oz	23.6	28.7	33.0	38.2	31.7	37.2	43.2	38.8	45.0	81.7	38.8	45.0	49.3	56.7	64.5
注射压力	Injection pressure	MPa	218	183	156	135	239	204	176	198	171	149	198	171	217	189	166
注射速率	Injection rate	g/s	251	299	350	406	229	268	311	307	356	408	307	356	387	444	505
塑化能力	Plasticizing capacity	g/s	33	40	45	50	40	42	47	42	47	52	42	47	50	55	65
螺杆转速	Screw apeed	rpm	190				160			160			160		190		
合模装置	CLAMPING UNIT																
合模力	Clamping force	kN	3180				3680			3680			4280		4280		
移动模板行程	Moving mould-plate stroke	mm	600				710			710			770		770		
最大模厚	Max.Mould height	mm	690				750			750			800		800		
最小模厚	Min.Mould height	mm	230				250			250			280		280		
拉杆有效间距	Space between tie-bars	mm	660 x 590				720 x 690			720 x 690			770 x 740		770 x 740		
液压顶出力	Hydraulic ejector force	kN	86				134			134			134		134		
液压顶出行程	Hydraulic ejector stroke	mm	170				180			180			210		210		
顶出点数	Ejector number	n	13				13			13			13		13		
其 它	OTHER																
油泵压力	Pump pressure	MPa	17.5				17.5			17.5			17.5		17.5		
电机功率	Motor power	kW	40				40			40			40		30+30		
加热功率	Heating capacity	kW	18.15				20.35			23.15			23.15		23.15		
外形尺寸	Machine dimension	m	6.31 x 1.42 x 2.20				6.87 x 1.89 x 2.16			7.4 x 1.99 x 2.24			7.43 x 1.93 x 2.25		7.63 x 2.02 x 2.32		
机器重量	Machine wight	t	8.8				11			11.5			13.7		14		
油箱容积	Oil tank capacity	L	350				420			420			420		530		
模板正面尺寸 Platen Dimensions(frontal)																	
外型尺寸 Machine Dimensions																	

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HXM系列伺服节能型注塑机产品规格

2024年04月版

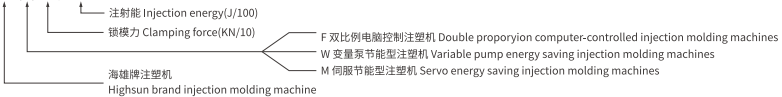
HXM Series Servo Energy-saving Injection Molding Machine Specifications



参数		UNIT	HX(*)488-I/3300		HX(*)488-II/3800			HX(*)558-I/3800		HX(*)558-II/4800			HX(*)658-I/4800	
注射装置	INJECTION UNIT		A	B	A	B	C	A	B	A	B	C	A	B
螺杆直径	Screw diameter	mm	70	75	75	80	85	75	80	80	85	90	75	80
螺杆长径比	Screw L/D ratio	L/D	21	20	21	20	19	21	20	21	20	19	22	21
理论注射容积	Injection capacity in theory	cm³	1539	1767	1855	2111	2383	1855	2111	2362	2667	2990	2076	2362
注射重量	Injection weight(ps)	g	1400	1608	1688	1921	2168	1688	1921	2149	2426	2720	1889	2149
		oz	49.3	56.7	59.5	67.7	76.4	59.5	67.7	75.8	85.5	95.9	66.6	75.8
注射压力	Injection pressure	MPa	217	189	209	183	162	209	183	206	182	162	234	206
注射速率	Injection rate	g/s	387	444	437	498	562	437	498	488	551	618	429	488
塑化能力	Plasticizing capacity	g/s	50	55	55	65	70	55	65	65	70	80	55	65
螺杆转速	Screw apeed	rpm	190		150			150		150			150	
合模装置	CLAMPING UNIT													
合模力	Clamping force	kN	4880		4880			5580		5580			6580	
移动模板行程	Moving mould-plate stroke	mm	830		830			870		870			970	
最大模厚	Max.Mould height	mm	820		820			830		830			950	
最小模厚	Min.Mould height	mm	300		300			330		330			350	
拉杆有效间距	Space between tie-bars	mm	820 x 800		820 x 800			870 x 840		870 x 840			970 x 920	
液压顶出力	Hydraulic ejector force	kN	134		134			193		193			227	
液压顶出行程	Hydraulic ejector stroke	mm	210		210			230		230			260	
顶出点数	Ejector number	n	13		13			17		17			17	
其 它	OTHER													
油泵压力	Pump pressure	MPa	17.5		17.5			17.5		17.5			17.5	
电机功率	Motor power	kW	30+30		30+30			30+30		30+40			30+40	
加热功率	Heating capacity	kW	23.15		26.45			26.45		28.85			28.85	
外形尺寸	Machine dimension	m	7.77 x 2.02 x 2.36		8.05 x 2.07 x 2.41			8.08 x 2.07 x 2.47		8.35 x 2.19 x 2.47			9.37 x 2.19 x 2.48	
机器重量	Machine wight	t	16.2		16.5			19.7		20.5			30	
油箱容积	Oil tank capacity	L	530		630			630		750			750	
模板正面尺寸 Platen Dimensions(frontal)														
外型尺寸 Machine Dimensions														

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例:Example:HX(*)98/370



HXM系列伺服节能型注塑机产品规格

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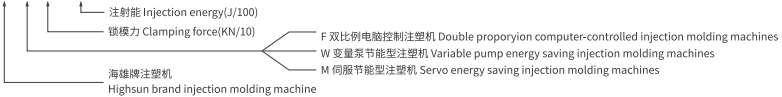
HXM Series Servo Energy-saving Injection Molding Machine Specifications



参数	PARAMETER	UNIT	HX(*)658-II/5700				HX(*)730-I/5700		HX(*)730-II/6100				HX(*)850/7300			HX(*)1100/11200		
注射装置	INJECTION UNIT		A	B	C	D	A	B	A	B	C	D	A	B	C	A	B	C
螺杆直径	Screw diameter	mm	85	90	95	100	85	90	90	95	100	105	95	100	105	110	120	130
螺杆长径比	Screw L/D ratio	L/D	22	21	20	19	22	21	23	22	21	20	22	21	20	22	21	19
理论注射容积	Injection capacity in theory	cm³	2610	2926	3260	3612	2610	2926	2861	3188	3534	3894	3849	4264	4701	5797	6898	8096
注射重量	Injection weight(ps)	g	2375	2663	2967	3287	2375	2663	2603	2901	3216	3543	3502	3880	4278	5275	6278	7367
		oz	83.7	93.9	104.6	115.9	83.7	93.9	91.8	102.3	113.4	124.9	123.5	136.8	150.8	186.0	221.4	259.8
注射压力	Injection pressure	MPa	221	197	177	159	225	200	213	191	173	157	191	173	157	194	163	139
注射速率	Injection rate	g/s	496	556	620	687	496	556	546	608	674	743	608	674	743	858	1021	1198
塑化能力	Plasticizing capacity	g/s	70	80	85	90	70	80	76	85	90	98	85	90	98	101	112	125
螺杆转速	Screw apeed	rpm	145				145		110				110			110		
合模装置	CLAMPING UNIT																	
合模力	Clamping force	kN	6580				7300		7300				8500			11000		
移动模板行程	Moving mould-plate stroke	mm	970				950		950				1120			1220		
最大模厚	Max.Mould height	mm	950				960		960				1050			1170		
最小模厚	Min.Mould height	mm	350				400		400				400			450		
拉杆有效间距	Space between tie-bars	mm	970 x 920				1000 x 950		1000 x 950				1070 x 1020			1160 x 1160		
液压顶出力	Hydraulic ejector force	kN	227				227		227				227			260		
液压顶出行程	Hydraulic ejector stroke	mm	260				280		280				300			320		
顶出点数	Ejector number	n	17				21		21				21			21		
其 它	OTHER																	
油泵压力	Pump pressure	MPa	17.5				17.5		17.5				17.5			17.5		
电机功率	Motor power	kW	40+40				40+40		40+40				40+40			40+40+40		
加热功率	Heating capacity	kW	42				42		48.8				48.8			68.85		
外形尺寸	Machine dimension	m	9.52 x 2.27 x 2.65				9.67 x 2.45 x 2.95		11.60 x 2.28 x 2.74				12.18 x 2.40 x 2.74			12.18 x 2.65 x 3.50		
机器重量	Machine wight	t	31				33		34				39			56		
油箱容积	Oil tank capacity	L	850				1000		1000				1000			1200		
模板正面尺寸 Platen Dimensions(frontal)																		
外型尺寸 Machine Dimensions																		

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

例:Example:HX(*)98/370



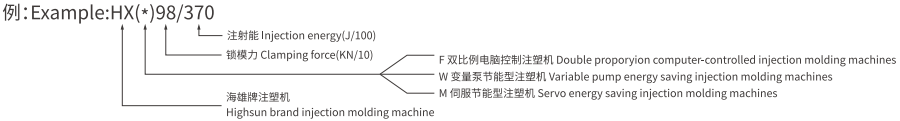


参数	PARAMETER	UNIT	HX(*)1300/13000			HX(*)1500/15500			HX(*)2000/19000				HX(*)2200/32000			HX(*)2500/44000		
注射装置	INJECTION UNIT		A	B	C	A	B	C	A	B	C	D	A	B	C	A	B	C
螺杆直径	Screw diameter	mm	120	130	140	130	140	150	130	140	150	160	155	165	175	170	185	200
螺杆长径比	Screw L/D ratio	L/D	24	23	21	23	22	21	23	22	21	20	23	22	21	23	22	21
理论注射容积	Injection capacity in theory	cm³	7012	8229	9544	8627	10005	11486	9291	10775	12370	14074	17737	20099	22609	24059	28493	33300
注射重量	Injection weight(ps)	g	6380	7488	8685	7851	9105	10452	8455	9805	11256	12807	16140	18290	20574	21894	25928	30303
		oz	225.0	264.1	306.3	276.9	321.1	368.8	276.9	321.1	368.6	419.4	569.3	645.1	725.7	772.2	914.5	1068.8
注射压力	Injection pressure	MPa	188	160	138	180	155	135	204	176	153	135	181	160	142	186	157	134
注射速率	Injection rate	g/s	930	1092	1266	1240	1438	1651	1194	1385	1590	1809	1342	1521	1711	1424	1686	1970
塑化能力	Plasticizing capacity	g/s	101	115	135	120	140	160	109	130	150	162	100	115	135	127	170	220
螺杆转速	Screw apeed	rpm		95			100			90				66			65	
合模装置	CLAMPING UNIT																	
合模力	Clamping force	kN	13000			15000			20000				22000			25000		
移动模板行程	Moving mould-plate stroke	mm	1400			1500			1600				1950			1900		
最大模厚	Max.Mould height	mm	1300			1500			1560				1700			1800		
最小模厚	Min.Mould height	mm	550			700			710				780			800		
拉杆有效间距	Space between tie-bars	mm	1320 x 1280			1450 x 1350			1620 x 1480				1800 x 1620			1850 x 1700		
液压顶出力	Hydraulic ejector force	kN	300			380			520				520			520		
液压顶出行程	Hydraulic ejector stroke	mm	400			400			400				450			450		
顶出点数	Ejector number	n	21			25			33				33			33		
其 它	OTHER																	
油泵压力	Pump pressure	MPa	17.5			17.5			17.5				17.5			17.5		
电机功率	Motor power	kW	40+40+40			40+40+40+40			40+40+47+47				40+40+47+47			47+47+47+47		
加热功率	Heating capacity	kW	87.95			103.5			103.5				110			170		
外形尺寸	Machine dimension	m	13.76 x 2.70 x 3.90			14.00 x 3.30 x 4.00			15.60 x 3.50 x 4.00				19.40 x 3.90 x 5.10			19.50 x 4.00 x 5.20		
机器重量	Machine wight	t	65			87.5			128				155			175		
油箱容积	Oil tank capacity	L	1400			1600			2000				2200			2700		
模板正面尺寸 Platen Dimensions(frontal)																		
模板侧面尺寸 Platen Dimensions(flank)																		
外型尺寸 Machine Dimensions																		



参数	PARAMETER	UNIT	HX(*)228PET/1600	HX(*)318PET/2400	HX(*)368PET/3300	HX(*)428PET/3800
注射装置	INJECTION UNIT					
螺杆直径	Screw diameter	mm	65	75	85	95
螺杆长径比	Screw L/D ratio	L/D	24	24	24	24
理论注射容积	Injection capacity in theory	cm³	1028	1612	2269	2977
注射重量	Injection weight	g	1193(PET)	1870(PET)	2632(PET)	3453(PET)
		oz	42.0	65.9	92.8	121.7
注射压力	Injection pressure	MPa	156	149	147	130
注射速率	Injection rate	g/s	447	520	727	895
塑化能力	Plasticizing capacity	g/s	76	85	90	95
螺杆转速	Screw apeed	rpm	160	120	130	110
合模装置	CLAMPING UNIT					
合模力	Clamping force	kN	2280	3180	3680	4280
移动模板行程	Moving mould-plate stroke	mm	520	600	710	770
最大模厚	Max.Mould height	mm	580	690	750	800
最小模厚	Min.Mould height	mm	200	230	250	280
拉杆有效间距	Space between tie-bars	mm	570 x 520	660 x 590	720 x 690	770 x 740
液压顶出力	Hydraulic ejector force	kN	100	134	193	193
液压顶出行程	Hydraulic ejector stroke	mm	160	175	180	210
顶出点数	Ejector number	n	9	13	13	13
其 它	OTHER					
油泵压力	Pump pressure	MPa	17.5	17.5	17.5	17.5
电机功率	Motor power	kW	40	40	30+30	30+30
加热功率	Heating capacity	kW	22.7	24.73	31.15	32.85
外形尺寸	Machine dimension	m	6.5 x 1.34 x 2.10	7.35 x 1.42 x 2.20	7.9 x 1.99 x 2.24	8.21 x 2.02 x 2.32
机器重量	Machine wight	t	7.2	9	12	14.2
油箱容积	Oil tank capacity	L	250	350	420	530
模板正面尺寸 Platen Dimensions(frontal)						
			模板侧面尺寸 Platen Dimensions(flank)			
外型尺寸 Machine Dimensions						

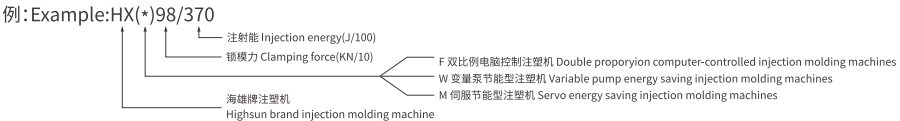
产品技术参数更改, 恕不另行通知 Due to continual improvement,specificationms are subject to change without notification





参数	PARAMETER	UNIT	HX(*)368-G/2400	HX(*)428-G/3700	HX(*)488-G/4300	HX(*)558-G/5400
注射装置	INJECTION UNIT					
螺杆直径	Screw diameter	mm	80	90	95	100
螺杆长径比	Screw L/D ratio	L/D	19	19	19	19
理论注射容积	Injection capacity in theory	cm ³	1834	2544	2977	3691
注射重量	Injection weight	g	1669	2315	2709	3360
		oz	58.8	81.6	95.5	118.5
注射压力	Injection pressure	MPa	131	148	146	147
注射速率	Injection rate	g/s	583	567	626	685
塑化能力	Plasticizing capacity	g/s	80	95	95	100
螺杆转速	Screw apeed	rpm	160	190	150	150
合模装置	CLAMPING UNIT					
合模力	Clamping force	kN	3680	4280	4880	5580
移动模板行程	Moving mould-plate stroke	mm	710	770	830	870
最大模厚	Max.Mould height	mm	750	800	820	830
最小模厚	Min.Mould height	mm	250	280	300	330
拉杆有效间距	Space between tie-bars	mm	720 x 690	770 x 740	820 x 800	870 x 840
液压顶出力	Hydraulic ejector force	kN	134	125	125	181
液压顶出行程	Hydraulic ejector stroke	mm	180	210	210	230
顶出点数	Ejector number	n	13	13	13	17
其 它	OTHER					
油泵压力	Pump pressure	MPa	17.5	17.5	17.5	17.5
电机功率	Motor power	kW	40	30+40	40+40	40+40
加热功率	Heating capacity	kW	25	25	27	30
外形尺寸	Machine dimension	m	7.4 x 1.99 x 2.24	7.63 x 2.02 x 2.32	8.05 x 2.07 x 2.41	8.35 x 2.19 x 2.4
机器重量	Machine wight	t	11.5	14	16.5	20.5
油箱容积	Oil tank capacity	L	420	530	630	750
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,specificationms are subject to change without notification



HXS SERIES

清双色注塑机

CLEAR TWO-COLOR INJECTION MOLDING MACHINE



- 具有主、副两个注射部件, 由专业电脑程序控制两根螺杆同时或交替注射, 以达到制品色彩美丽如云的特殊效果。
With major and minor two injection components, can inject synchronously or alternately through the professional computer controlling two screw bars. So as to get the plastic products with beautiful color;
- 也可以生产夹心制品, 降低成本。
Also can manufacture the sandwich plastic products, and the cost is reduced;
- 本机可广泛用于PP、PE、PS等原料的双色成型。
Can be widely used for PP, PE, PS and other raw materials in two color forming.

**Series of products
Making The First-class Products!**

倾心打造, 出一流精品!

HXS系列清双色注塑机产品规格

2024年04月版

HXS Series Clear Two-color Injection Molding Machine Specifications



参数	PARAMETER	UNIT	HXS160					HXS200				HXS280						HXS400					
注射装置	INJECTION UNIT		A组/B组					A组/B组				A组A	A组B	A组C	B组A	B组B	B组C	A组A	A组B	A组C	B组A	B组B	B组C
螺杆直径	Screw diameter	mm	22	25	28	32	36	28	32	36	40	38	42	45	32	35	38	45	50	55	38	42	45
螺杆长径比	Screw L/D ratio	L/D	22	22	22	23	21	22	23	21	21	23	21	20	23	22	20	22	20	19	23	21	20
理论注射容积	Injection capacity in theory	cm³	49	63	80	132	167	80	132	167	207	210	256	294	133	164	187	342	422	510	210	256	294
注射重量	Injection weight(ps)	g	44	58	72	120	152	72	120	152	188	190	233	268	120	150	170	311	384	465	190	233	268
		oz	1.5	2.0	2.5	4.2	5.3	2.5	4.2	5.3	6.6	6.7	8.2	9.4	4.2	5.2	5.9	10.9	13.5	16.4	6.7	8.2	9.4
注射压力	Injection pressure	MPa	382	296	236	297	234	236	297	234	190	262	215	187	297	248	210	236	191	158	262	215	187
注射速率	Injection rate	g/s	63	82	103	82	103	105	83	106	131	103	126	144	58	70	82	150	185	225	97	118	135
塑化能力	Plasticizing capacity	g/s	4	6	9	11	13.6	9	11	13.9	18.4	17	21	23	10	12	15	21	26	33	17	21	23
螺杆转速	Screw apeed	rpm	300					300				240			220			190			240		
合模装置	CLAMPING UNIT																						
合模力	Clamping force	kN	1600					2000				2800						4000					
移动模板行程	Moving mould-plate stroke	mm	400					500				500						620					
最大模厚	Max.Mould height	mm	550					570				600						650					
最小模厚	Min.Mould height	mm	230					250				270						250					
拉杆有效间距	Space between tie-bars	mm	720 x 420					840 x 520				920 x 580						1020 x 620					
液压顶出力	Hydraulic ejector force	kN	33					33				40						65					
液压顶出行程	Hydraulic ejector stroke	mm	100					110				150						200					
顶出点数	Ejector number	n	3x2					3x2				3x2						3x2					
转盘直径	Wheel diameter	mm	750					900				1000						1100					
其 它	OTHER																						
油泵压力	Pump pressure	MPa	17.5					17.5				17.5						17.5					
电机功率	Motor power	kW	16+16					16+16				21			16			30			21		
加热功率	Heating capacity	kW	7	10.5			7	10.5			10.95			9.1			13.35			10.95			
外形尺寸	Machine dimension	m	5.23 x 1.65 x 2.07					5.50 x 1.83 x 2.10				6.17 x 1.98 x 2.10						7.30 x 2.24 x 2.50					
机器重量	Machine wight	t	8.5					9.5				10						17					
油箱容积	Oil tank capacity	L	380					410				510						820					
转盘承重	Bearing capacity of rotary platen	t	0.8					1.2				1.6						2.5					
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,specificationms are subject to change without notification

例:Example:HX(+)*98/370

- 注射能 Injection energy(J/100)

锁模力 Clamping force(KN/10)

海雄牌注塑机
Highsun brand injection molding machine
- F 双比例电脑控制注塑机 Double proporion computer-controlled injection molding machines

W 变量泵节能型注塑机 Variable pump energy saving injection molding machines

M 伺服节能型注塑机 Servo energy saving injection molding machines

HXYD SERIES

油电复合注塑机

OIL ELECTRIC COMPOSITE INJECTION MOLDING MACHINE

详见细分样本



- 注射、熔胶、保压、背压全闭环控制，伺服电机直接驱动
Close-loop control for injection, plasticizing, pressure maintaining and back-pressure.
Servo motor direct drive.
- 可实现边开模边熔胶，缩短成型循环周期
Be able to do the process of feeding material and opening mold at the same time,
to save much more cycletime of molding.
- 速度从0到800mm/s仅需35毫秒。超高的速度响应，再配以高速射出，精准计量行程控制，
实现稳定的薄壁成型
Speed from 0 to 800mm/s need only 35 millisecond. Super high speed response with high
speed injection, accurate measurement of stroke control, it can achieve stable thin molding.
- 采用具有抗干扰的数字测力传感器，进行高精度压力控制
Adopt anti-interference number force transducer to achieve high precision
pressure control.
- 中心对称的双座移油缸使喷嘴受力不会偏心，密封更可靠
Central symmetric two moving oil cylinder to get balanced force
for nozzle, It's more reliable sealing.

SP SERIES

注塑机

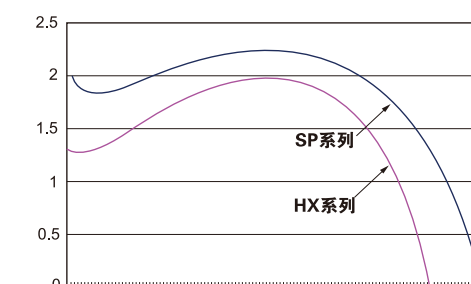
INJECTION MOLDING MACHINE

详见细分样本



- 全新设计的五支点曲肘机构的运动曲线显示,动模板的运动具有速度更快、更平稳、可控性更好的优点,使机器具有更短的干循环周期。

The movement curve of newly designed five-points double toggle structure shows that the movement of movable mould-plate has advantages of being faster, more stable and better controllability. And also quicker cycle.



- 侧置式新型机械保险结构;斜楔式动模板滑脚结构。

Newly designed lateral mechanical safety structure ; The feet slip structure of moving mold-plate is newly designed with oblique-wedge.



- 液压动力系统使用高响应、大扭矩、低惯量、低噪音的电机,配合改良后的螺杆泵,给客户带来无与伦比的高性能和低噪音感受,并在低压模具保护和振动脱模上有更加突出的表现。

Hydraulic power system uses the motors with high response, high power density, low inertia and low noise to bring unique feeling of high performance and low noise to customers with improved screw pump.



- 优化设计的塑化部件,使机器的塑化能力、注射精度显著提升;螺杆传动采用花键联接,螺杆旋转时受力均匀;射移部分采用直线导轨导向,降低运动时的摩擦力。

The plasticizing parts with optimized design can improve the plasticizing ability and injection precision of the machine significantly; Screw transmission adopts the spline to connect and the force is uniform when the screw rotates, The moving part is guided by linear guide rail to reduce friction during movement.



HXZ SERIES

二板式注塑机

TWO PLATE INJECTION MOLDING MACHINE

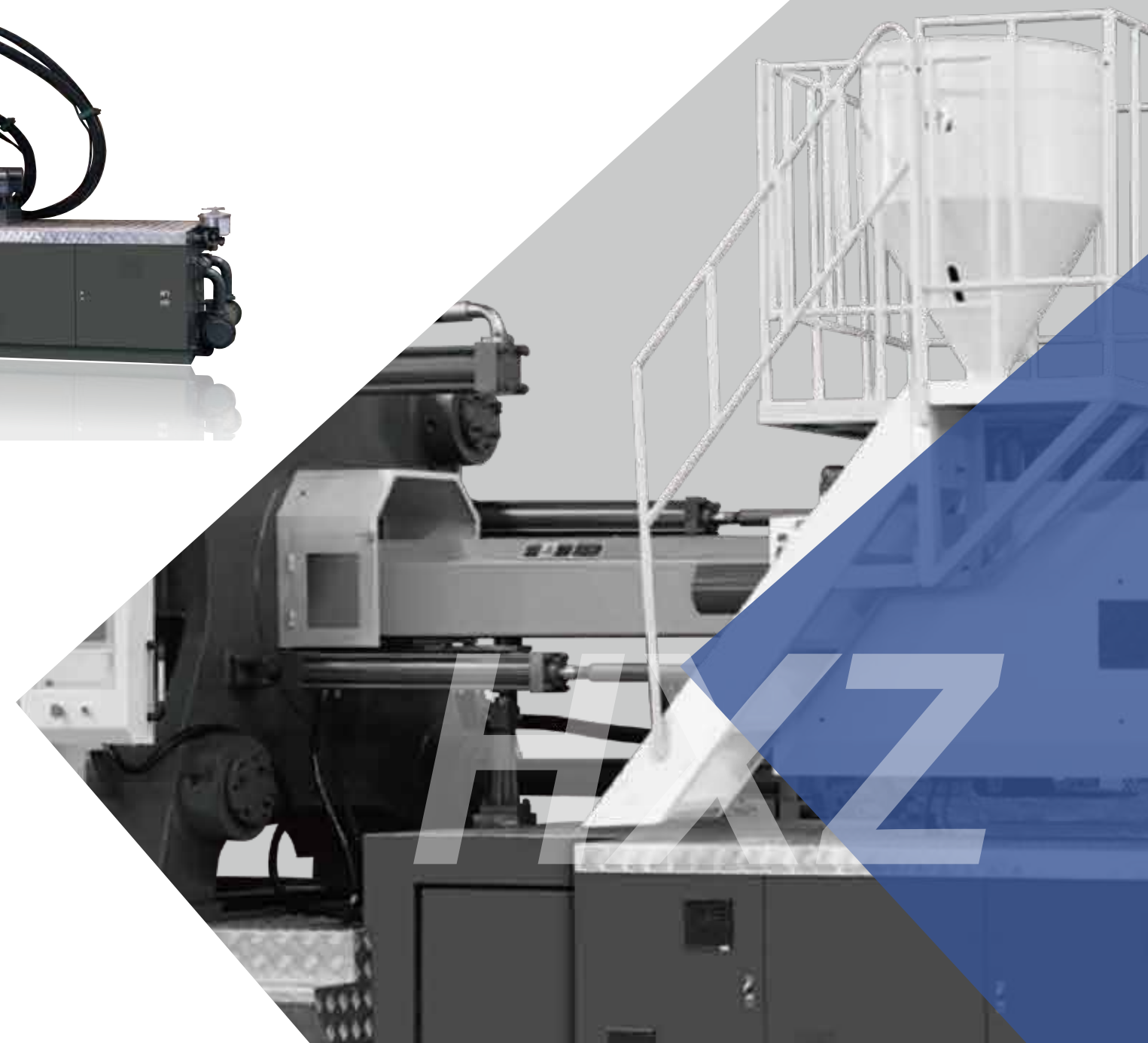
详见细分样本



- 四根拉杆受力均匀一致, 模板平行度好;
Four tie bars bear the same force evenly, so its parallelism of mold plate is good.
- 超大移模行程及模厚, 开模力大, 特别适合深腔制品的生产;
With the extra-large moving stroke, large mould height, and large mould opening force, it is specially suitable for the production of deepcavity products.
- 动模板采用长距离拉杆导向, 导向面距离长, 运行平稳;
The moving mold-plate adopts the long tie bars to guide directions. It can run steadily as the distance is so long between the guide surfaces.

- 由两只快速油缸驱动动模板, 使开合模动作快速、精准、平稳, 循环周期短, 且具备优异的低压模具保护功能。
Driven by two rapid oil cylinders, the mould movements are high speed, precise and steady. The machine has short cycle time as well as the low pressure mold protection.

- 整机长度短、占地面积小、重量轻, 提高土地利用率, 减少原材料消耗;
With the short length, small covering area and light weight, it can raise the land utilization rate and cut down the consumption of raw materials.



HXH SERIES

高速注塑机

HIGH SPEED INJECTION MOLDING MACHINE

详见细分样本

- 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.
- 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.
- 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.



海雄HXH系列高速机是在多年实验、研究的基础上专门针对成型周期短、高速注射成型的制品潜心打造的。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 HXH series high speed injection molding machine 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.

DEVICE CONFIGURATION 设备配置

注射部分	INJECTION UNIT	标配 Stsndard	选配 Optional
低速大扭矩液压马达	Low-speed high-torque hydraulic motor	●	
氮化合金钢螺杆料筒	Nitrided alloy steel screw &barrel	●	
射嘴及料管多段PID温度控制	Multipoint PID temperature control for nozzle and barrel	●	
全封闭式保温罩/射嘴防护罩	Totally enclosed heater shield/nozzle protection cover	●	
螺杆防冷启动功能	Screw anti-cold start function	●	
自动清料功能	Auto-purging function for cleaning the barrel	●	
熔胶前、后松退可选	Screw backwards before or after charging	●	
移动料斗装置	Movable hopper holder	●	
螺杆转速检测	Screw rotation speed detection	●	
加长射嘴	Extended nozzle	●	
专用螺杆料筒（合金、电镀等）	Special screw barrel (bimetal, electroplating, etc.)		○
料筒风冷装置	Air-cooling device for barrel		○
气动、液压、弹簧自锁射嘴	Pneumatic, hydraulic, spring self-locking nozzle		○
红外线加热	Infrared heater		○
锁模部分	CLAMPING UNIT		
T型槽模板	T-slot platen	●	
锁模三大板球墨铸铁	Nodular cast iron of clamping platen	●	
精密电子尺控制锁模/顶出/射胶	Precise transducer control clamping/ejection/injection	●	
液压驱动齿轮调模装置	Mold height adjustment by hydraulic motor	●	
机械/电气双重保护装置	Hydraulic/electrical safety protection	●	
移动模板耐磨锰钢带轨道	Wear-resistant manganese steel belt track for moving platen	●	
自动集中润滑系统	Automatic centralized lubrication system	●	
低压模具保护功能	Low pressure mold protection	●	
多种顶针控制功能可选	Multiple ejector model	●	
多组冷却水装置并配快速插头	Multiple sets of water manifolds with fast-inserting joint	●	
加大（减小）容模量	Increase (decrease) the mould height		○
顶出强制复位功能	Ejector forced reset		○
模板加装隔热板	Heat shield for mold platen.		○
增加冷却水装置	Increasing cooling water device		○
玻璃管冷却水计量计	Glass tube water manifolds		○
钣金门罩加宽	Widened security door		○
欧规机械手安装接口	Euromap interface		○
液压系统	HYDRAULIC SYSTEM		
高精度实时旁路滤油器装置	High-precision bypass filter	●	
低噪音节能型液压回路	Low-noise energy-saving hydraulic circuit	●	
进口名牌液压控制阀	Imported high-quality hydraulic control valve	●	
进口名牌液压密封件	Imported high-quality hydraulic seals	●	
差动快速合模装置	Differential fast clamping device	●	
开模刹车油路设计	Hydraulic circuit for braking of mold opening	●	
油温检测及高低温报警	Oil temperature monitoring automatic alarm	●	
一组中子和气阀装置	A set of core pulling valve and pneumatic alve	●	



液压系统	HYDRAULIC SYSTEM	标配 Stsndard	选配 Optional
加大多级油泵、电机	Enlarged pump and motor system		○
加大（减小）熔胶马达	Enlarged (diminished) charging motor		○
增加液压顺序阀控制	Increase hydraulic sequence valve		○
增加针阀控制	Increase pin valve		○
同步顶出、熔胶、抽芯	Synchronized ejection,charging, core pulling		○
多组抽芯、气阀装置	Multiple core pulling, pneumatic valve		○
液压、电动旋转脱模装置（绞牙功能）	Hydraulic and electric rotary demoulding device (threading function)		○
控制系统	CONTROL SYSTEM		
多种电脑操作语音	Multiple languages	●	
输出、输入检视画面	Output and input view screen	●	
自动保温和自动加热设定功能	automatic heating and automatic insulation setting	●	
射胶转保压方式：时间/位置/时间+位置	Injection transfer to pressure holding by time /postion /time+position	●	
三色报警灯	Three colour of alarm light	●	
前、后安全门急停开关保护	Emergency stop switch protection for front and rear safety door	●	
可设置多级密码保护，操作面板带锁按键钥匙	Multi-level password protection setting, operation panel with lock button key	●	
2组380V+1组220V电源插座	2 set of 380V + 1set of 220V power sockets	●	
加热固态继电器控制	SSR control heating		○
增加电源插座	Increased power plug		○
预留吹气、抽芯、顶退回保护等多种接口	More interface for pneumatic valve,core pulling, ejector backwards protection etc		○
热流道接口	Hot runner connection		○
气动顺序阀	Pneumatic sequence valve		○
更改电源电压、频率	Power voltages and frequencies changed		○
电动熔胶	Electric charing		○
气辅注射装置	Gas-assisted injection device		○
电脑整机能耗显示	Energy consumption display		○

+86-574-86961055

SERVICE COMMITMENT 服务承诺

- 在国内外设立多个经销处，具有强大的服务网络，保证区域内服务的及时性和周到性。
- 运用CRM、MES软件，提供完整在售前、售中、售后服务。
- 定期进行巡检，免费为用户检查、保养及技术指导。
- Set up a number of marketing centers and offices throughout the world, with a strong sales and service network, to ensure the timeliness and thoughtful service in the region.
- Using CRM.MES software, provide a complete pre-sale, sale, after-sale service.
- Regular patrol inspection, free of charge for inspection, maintenance and technical guidance for users.