PURSUING *EXCELLENCE*
MOLDING *PERFECTION*

NINGBO BEILUN HIGHSUN MACHINERY CO., LTD.

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HIGHSUN HIGHSUN MACHINERY

HXM SERIES

PLASTIC INJECTION MOLDING MACHINE

HXM SERVO ENERGY SAVING IMM | **SP** MEDIUM-SPEED IMM | **HXH** HIGH-SPEED IMM | **HXYD** HYBRID IMM
HXS ROTARY TABLE TWO-COMPONENTS IMM | **HXZ** TWO-PLATEN IMM | **PVC** IMM | **PET** IMM

COMPANY PROFILE

TO BE THE NATIONAL TOP MANUFACTURER OF HIGH-PERFORMANCE PLASTIC INJECTION MOLDING MACHINE!

HIGHSUN MACHINERY is located in Beilun science and technology park, Ningbo,Zhejiang province, where is “the capital city of plastic machine” in China. We specialise in the production and marketing of “HIGHSUN” brand high-grade precision plastic injection molding machines. “Taking the road of science and technology and make high-grade machines” is HIGHSUN’s business purpose, “Pursuing excellence, Molding perfection” is our business philosophy.

HIGHSUN MACHINERY has long been dedicated to delicacy management and zero defect production, and has formed a characteristic series represented by small tonnage of hybrid machine, medium tonnage of toggle machine, and large tonnage of two-platen machine.

With strong R&D capabilities, excellent processing equipment, professional pre-sales, sales and after-sales service and integrity business purposes. HIGHSUN machines sell well all over the world.

3

Honored with “Top 3” manufacturer of comprehensive strength by NBPMA over the past decade

60 +

Sold to more than 60 countries around the world

50 +

Established in 1973. Concentrate on Injection Molding field more than 50 years

7000 +

Annual output more than 7000sets, ensuring faster delivery time

1200000 +

It covers an area of 1200000 square feet

130,000,000 +

Worldwide sales reached 130 million US dollars, exports maintain steady growth

R&D TECHNOLOGY

INDEPENDENCE,INNOVATION,EXCELLENCE!

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.

Certificate of High-tech Enterprise

Little Giant Enterprise

Certificate of Utility Model Patent

Engineering Technology Center of Plastic Machiney

Zhejiang Famous Firm

Certificate of Zhejiang famous brand

Top 3 manufacturer awarded by NBPMIA

Top 15 manufacturer awarded by CPMIA

Council Members of CPMIA

Vice President Company of NBPMIA

HIGHSUN

QUALITY INSPECTION

PERSIST IN PERFECTIONISM, PURSUE ZERO DEFECT!

INSPECTION STANDARD

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.

CE certificate and ISO certificate

PROCESSING ABILITY WELL-EQUIPPED, ENSURING TOP QUALITY!

QUALITY INSPECTION

PERSIST IN PERFECTIONISM, PURSUE ZERO DEFECT!

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

Realize more than 85% of self-production ratio for mechanical components, CNC utilization rate reach to more than 80% to ensure higher production efficiency and accuracy.

INSPECTION TEAM

CLOSE-LOOP QA Adpot world advanced three-coordinate measuring system to progress the detection accuracy, with scientific management and professional team, to improve IQC、PQC, achieve close-loop system of QA.

HXM SERIES

SERVO ENERGY-SAVING INJECTION MOLDING MACHINE

T-Slot mold platen

Linear guide rail for injection unit

SUPER ENERGY SAVING

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.

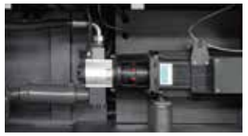
HIGH PRECISION AND HIGH STABILITY

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.

HIGH RESPONSE AND HIGH EFFICIENCY

The driving system responses 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.

Vickers/Rexroth hydraulic valves

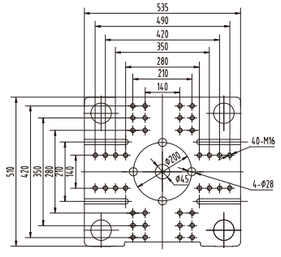


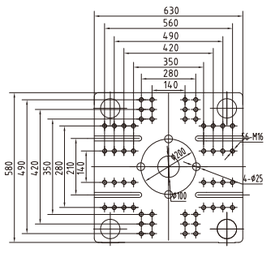
TECHMATION SERVO SYSTEM AND PLC SYSTEM
ensuring more stable and durable

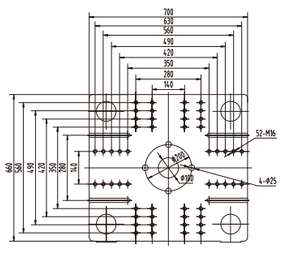
HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

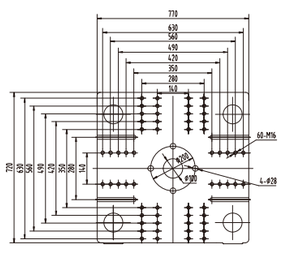
PARAMETER	UNIT	HXM98/370				HXM138/460			HXM168/670				HXM208/750				HXM258-I/870			
INJECTION UNIT		A	B	C	D	A	B	C	a	A	B	C	a	A	B	C	A	B	C	D
Screw diameter	mm	32	35	38	40	35	38	42	38	42	45	48	40	42	45	48	45	50	55	60
Screw L/D ratio	L/D	24	22	21	20	21	22	20	22	22	21	20	22	23	22	21	24	21.6	19.6	19.5
Injection capacity in theory	cm^3	128	154	181	200	192	226	277	260	318	365	416	320	353	405	461	381	471	570	678
Injection weight(ps)	g	116	140	164	182	175	206	252	237	289	332	378	291	321	369	419	347	428	518	617
	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
Injection pressure	MPa	287	240	203	183	240	203	166	260	212	185	163	234	212	185	163	229	186	153	129
Injection rate	g/s	68	81	95	109	101	119	146	117	143	164	187	130	143	164	187	167	206	219	297
Plasticizing capacity	g/s	10	12	15	17	12	15	15	13	15	20	23	14	15	20	23	20	26	33	40
Screw speed	rpm	240				265			220				190				200			
CLAMPING UNIT																				
Clamping force	kN	980				1380			1680				2080				2580			
Moving mould-plate stroke	mm	315				390			450				500				560			
Max.Mould height	mm	390				450			500				550				610			
Min.Mould height	mm	150				150			150				200				200			
Space between tie-bars	mm	360 x 340				420 x 370			470 x 430				530 x 480				580 x 540			
Hydraulic ejector force	kN	56				56			56				56				86			
Hydraulic ejector stroke	mm	100				120			130				140				150			
Ejector number	n	5				5			5				5				13			
OTHER																				
Pump pressure	MPa	17.5				17.5			17.5				17.5				17.5			
Motor power	kW	16				16			21				21				30			
Heating capacity	kW	10.9				13.25			15.65				16.85				18.1			
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				5.76 x 1.44 x 2.15			
Machine weight	t	2.9				3.9			5.1				6.0				7.4			
Oil tank capacity	L	130				160			200				200				280			

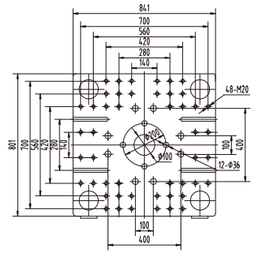
Platen Dimensions(movable)



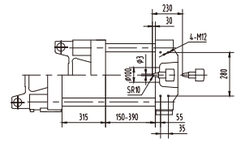


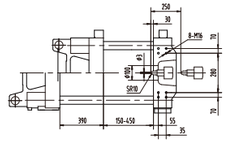


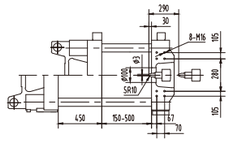


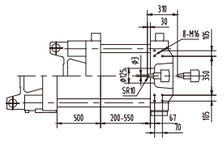


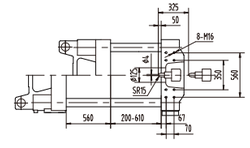
Platen Dimensions(flank)



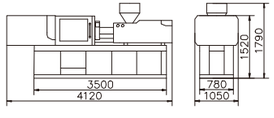


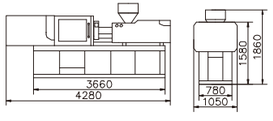


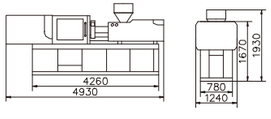


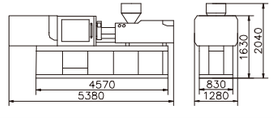


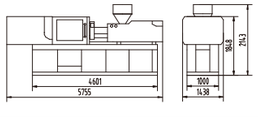
Machine Dimensions











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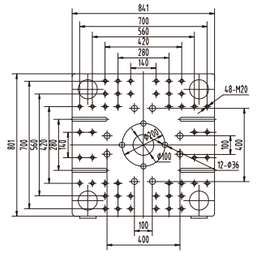
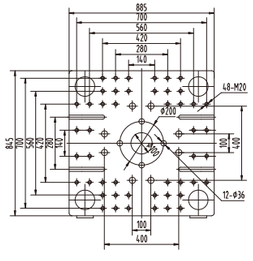
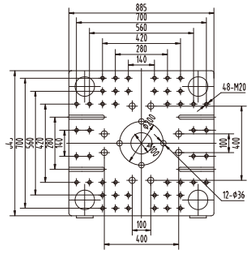
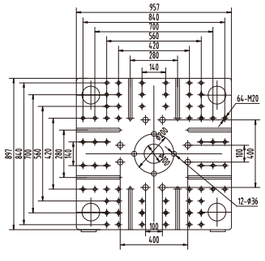
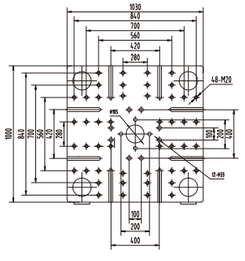
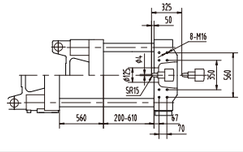
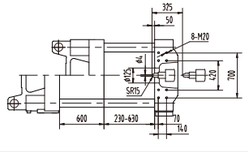
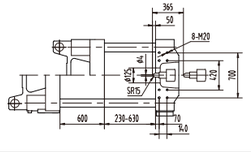
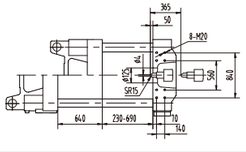
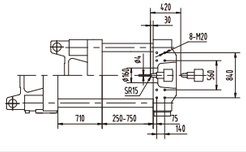
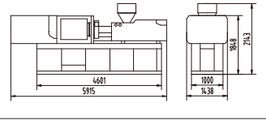
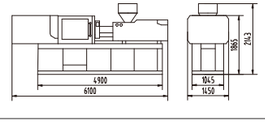
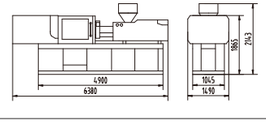
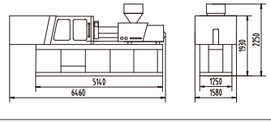
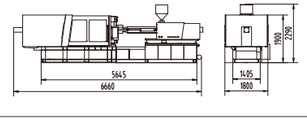
HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM258-II/1100				HXM288-I/1100				HXM288-II/1600				HXM328/1600				HXM368-I/2300		
INJECTION UNIT		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C
Screw diameter	mm	50	55	60	65	50	55	60	65	55	60	65	70	55	60	65	70	60	65	70
Screw L/D ratio	L/D	23.4	21.5	19.5	19.3	23.4	21.5	19.5	19.3	23	21.1	19.5	19.4	23	21.1	19.5	19.4	22	21	20
Injection capacity in theory	cm^3	490	593	706	829	490	593	706	829	736	876	1028	1193	736	876	1028	1193	989	1161	1346
Injection weight(ps)	g	446	540	643	754	446	540	643	754	670	797	936	1085	670	797	936	1085	900	1056	1225
	oz	15.7	19	22.6	26.5	15.7	19	22.6	26.5	23.6	28.7	33	38.2	23.6	28.7	33	38.2	31.7	37.2	43.2
Injection pressure	MPa	224	185	155	132	224	185	155	132	218	183	156	135	218	183	156	135	239	204	176
Injection rate	g/s	204	247	294	345	204	247	294	345	251	299	350	406	251	299	350	406	229	268	311
Plasticizing capacity	g/s	26	33	40	45	26	33	40	45	33	40	45	50	33	40	45	50	40	42	47
Screw speed	rpm	200				200				190				190				160		
CLAMPING UNIT																				
Clamping force	kN	2580				2880				2880				3280				3680		
Moving mould-plate stroke	mm	560				600				600				640				710		
Max.Mould height	mm	610				630				630				690				750		
Min.Mould height	mm	200				230				230				230				250		
Space between tie-bars	mm	580 x 540				620 x 580				620 x 580				670 x 610				720 x 690		
Hydraulic ejector force	kN	86				86				86				86				134		
Hydraulic ejector stroke	mm	150				170				170				170				180		
Ejector number	n	13				13				13				13				13		
OTHER																				
Pump pressure	MPa	17.5				17.5				17.5				17.5				17.5		
Motor power	kW	30				30				40				40				40		
Heating capacity	kW	22.55				22.55				24.15				24.15				27.3		
Machine dimension	m	5.92 x 1.44 x 2.15				6.10 x 1.45 x 2.15				6.38 x 1.49 x 2.15				6.46 x 1.58 x 2.25				6.66 x 1.80 x 2.29		
Machine weight	t	7.5				8.4				8.6				9.2				12.6		
Oil tank capacity	L	280				320				320				370				420		

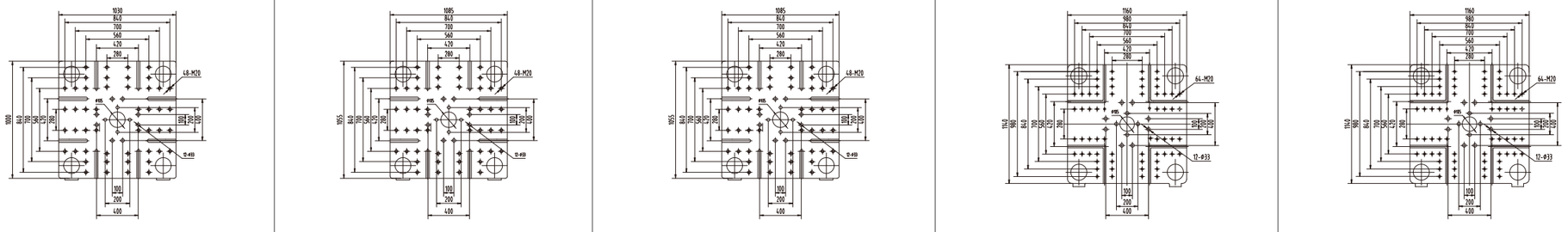
Platen Dimensions(movable)					
Platen Dimensions(flank)					
Machine Dimensions					

Due to continual improvement,specifications are subject to change without notification

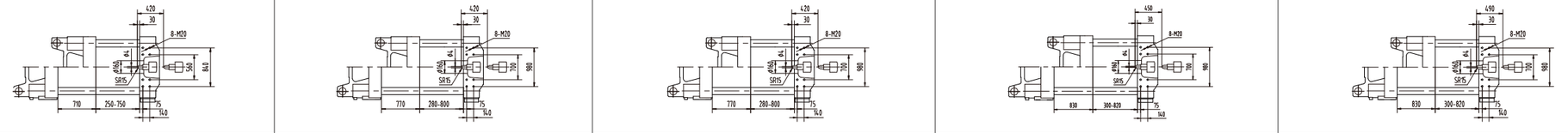
HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM368-II/2400			HXM428-I/2400		HXM428-II/3300			HXM488-I/3300		HXM488-II/3800		
INJECTION UNIT		A	B	C	A	B	A	B	C	A	B	A	B	C
Screw diameter	mm	65	70	75	65	70	70	75	80	70	75	75	80	85
Screw L/D ratio	L/D	22	21	20	22	21	21	20	19	21	20	21	20	19
Injection capacity in theory	cm^3	1211	1401	1612	1211	1401	1539	1767	2010	1539	1767	1855	2111	2383
Injection weight(ps)	g	1102	1278	1467	1102	1278	1400	1608	1829	1400	1608	1688	1921	2168
	oz	38.8	45.0	81.7	38.8	45.0	49.3	56.7	64.5	49.3	56.7	59.5	67.7	76.4
Injection pressure	MPa	198	171	149	198	171	217	189	166	217	189	209	183	162
Injection rate	g/s	307	356	408	307	356	387	444	505	387	444	437	498	562
Plasticizing capacity	g/s	42	47	52	42	47	50	55	65	50	55	55	65	70
Screw speed	rpm	160			160		190			190		150		
CLAMPING UNIT														
Clamping force	kN	3680			4280		4280			4880		4880		
Moving mould-plate stroke	mm	710			770		770			830		830		
Max.Mould height	mm	750			800		800			820		820		
Min.Mould height	mm	250			280		280			300		300		
Space between tie-bars	mm	720 x 690			770 x 740		770 x 740			820 x 800		820 x 800		
Hydraulic ejector force	kN	134			134		134			134		134		
Hydraulic ejector stroke	mm	180			210		210			210		210		
Ejector number	n	13			13		13			13		13		
OTHER														
Pump pressure	MPa	17.5			17.5		17.5			17.5		17.5		
Motor power	kW	40			40		30+30			30+30		30+30		
Heating capacity	kW	32.2			32.2		35.55			35.55		38.55		
Machine dimension	m	7.30 x 1.80 x 2.29			7.49 x 1.89 x 2.35		7.57 x 1.89 x 2.46			7.84 x 1.96 x 2.50		8.11 x 1.96 x 2.50		
Machine weight	t	13.0			14.6		15.2			17.3		17.9		
Oil tank capacity	L	420			420		530			530		630		

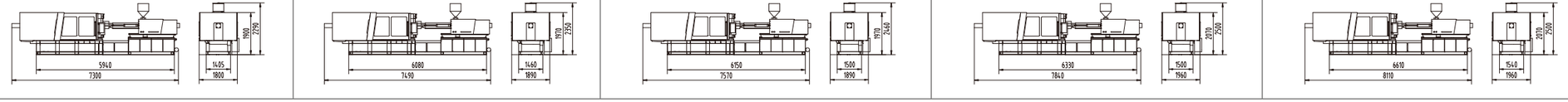
Platen Dimensions(movable)



Platen Dimensions(flank)



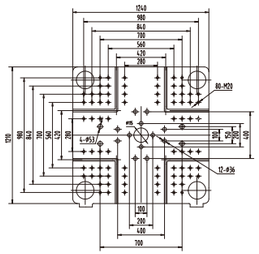
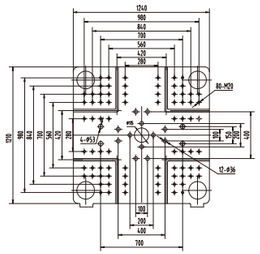
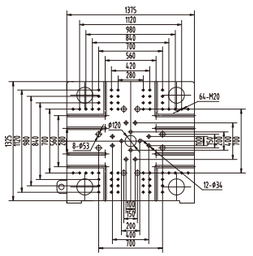
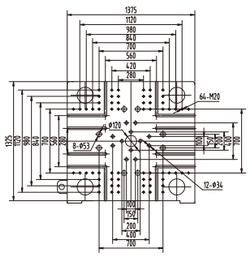
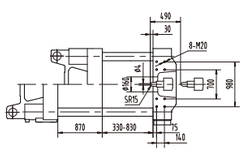
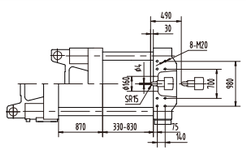
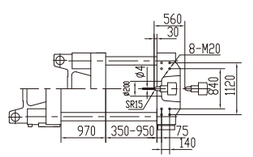
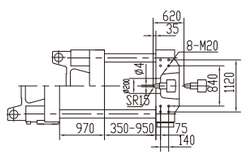
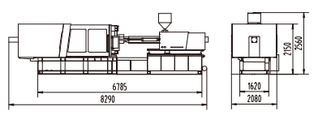
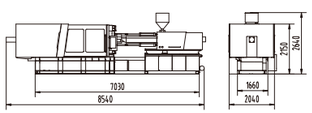
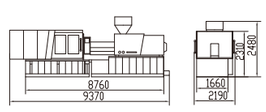
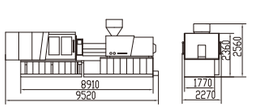
Machine Dimensions



Due to continual improvement,specifications are subject to change without notification

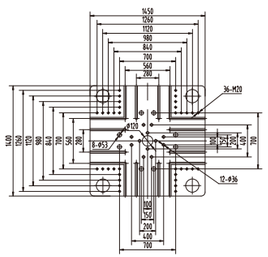
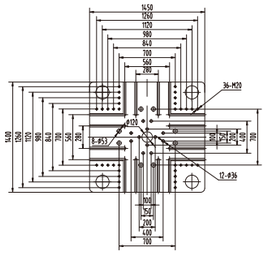
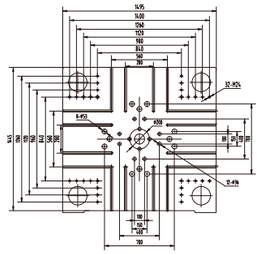
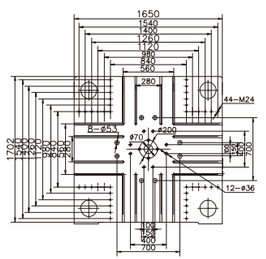
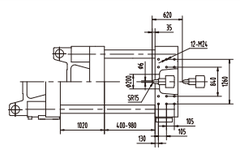
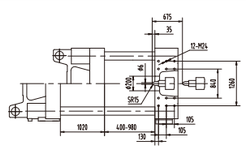
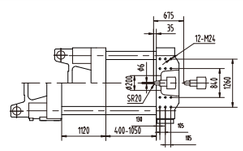
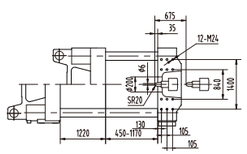
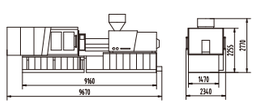
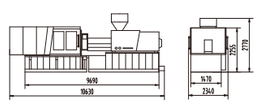
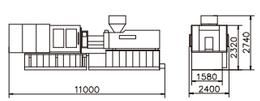
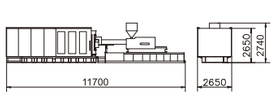
HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM558-Ⅰ/3800		HXM558-II/4800			HXM658-Ⅰ/4800		HXM658-II/5700			
INJECTION UNIT		A	B	A	B	C	A	B	A	B	C	D
Screw diameter	mm	75	80	80	85	90	75	80	85	90	95	100
Screw L/D ratio	L/D	21	20	21	20	19	22	21	22	21	20	19
Injection capacity in theory	cm^3	1855	2111	2362	2667	2990	2076	2362	2610	2926	3260	3612
Injection weight(ps)	g	1688	1921	2149	2426	2720	1889	2149	2375	2663	2967	3287
	oz	59.5	67.7	75.8	85.5	95.9	66.6	75.8	83.7	93.9	104.6	115.9
Injection pressure	MPa	209	183	206	182	162	234	206	221	197	177	159
Injection rate	g/s	437	498	488	551	618	429	488	496	556	620	687
Plasticizing capacity	g/s	55	65	65	70	80	55	65	70	80	85	90
Screw speed	rpm	150		150			150		145			
CLAMPING UNIT												
Clamping force	kN	5580		5580			6580		6580			
Moving mould-plate stroke	mm	870		870			970		970			
Max.Mould height	mm	830		830			950		950			
Min.Mould height	mm	330		330			350		350			
Space between tie-bars	mm	870 x 840		870 x 840			970 x 920		970 x 920			
Hydraulic ejector force	kN	193		193			227		227			
Hydraulic ejector stroke	mm	230		230			260		260			
Ejector number	n	17		17			21		21			
OTHER												
Pump pressure	MPa	17.5		17.5			17.5		17.5			
Motor power	kW	30+30		30+40			30+40		40+40			
Heating capacity	kW	38.55		42.45			42.45		53.7			
Machine dimension	m	8.29 x 2.08 x 2.56		8.54 x 2.04 x 2.64			9.37 x 2.19 x 2.48		9.52 x 2.27 x 2.65			
Machine weight	t	21.6		22.3			29.1		30.8			
Oil tank capacity	L	630		750			750		850			

Platen Dimensions(movable)				
Platen Dimensions(flank)				
Machine Dimensions				

Due to continual improvement,specifications are subject to change without notification

HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM750-Ⅰ/5700		HXM750-II/6100				HXM850/7300			HXM1100-Ⅰ/7300		
INJECTION UNIT		A	B	A	B	C	D	A	B	C	A	B	C
Screw diameter	mm	85	90	90	95	100	105	95	100	105	95	100	105
Screw L/D ratio	L/D	22	21	23	22	21	20	22	21	20	22	21	20
Injection capacity in theory	cm^3	2610	2926	2861	3188	3534	3894	3849	4264	4701	3849	4264	4701
Injection weight(ps)	g	2375	2663	2603	2901	3216	3543	3502	3880	4278	3502	3880	4278
	oz	83.7	93.9	91.8	102.3	113.4	124.9	123.5	136.8	150.8	123.5	136.8	150.8
Injection pressure	MPa	225	200	213	191	173	157	191	173	157	191	173	157
Injection rate	g/s	496	556	546	608	674	743	608	674	743	608	674	743
Plasticizing capacity	g/s	70	80	76	85	90	98	85	90	98	85	90	98
Screw speed	rpm	145		110				110			110		
CLAMPING UNIT													
Clamping force	kN	7500		7500				8500			11000		
Moving mould-plate stroke	mm	1020		1020				1120			1220		
Max.Mould height	mm	980		980				1050			1170		
Min.Mould height	mm	400		400				400			450		
Space between tie-bars	mm	1020 x 970		1020 x 970				1070 x 1020			1160 x 1160		
Hydraulic ejector force	kN	227		227				227			260		
Hydraulic ejector stroke	mm	280		280				300			320		
Ejector number	n	21		21				21			21		
OTHER													
Pump pressure	MPa	17.5		17.5				17.5			17.5		
Motor power	kW	40+40		40+40				40+40			40+40		
Heating capacity	kW	53.7		62.2				62.2			62.2		
Machine dimension	m	9.67 x 2.34 x 2.77		10.62 x 2.34 x 2.77				12.18 x 2.40 x 2.74			11.70 x 2.65 x 2.74		
Machine weight	t	33.8		36.4				40.4			48.9		
Oil tank capacity	L	1000		1000				1000			1000		
Platen Dimensions(movable)													
Platen Dimensions(flank)													
Machine Dimensions													

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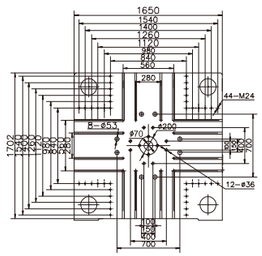
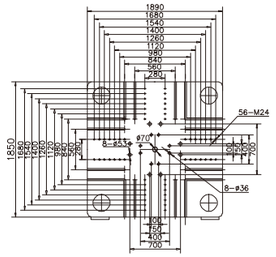
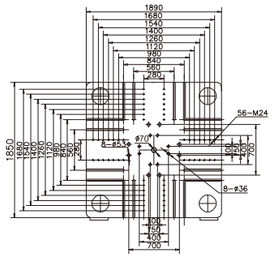
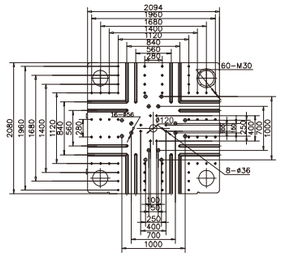
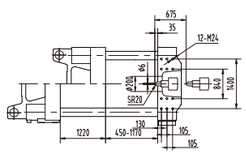
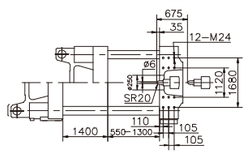
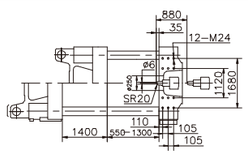
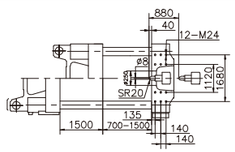
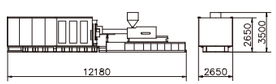
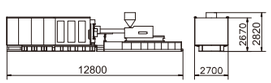
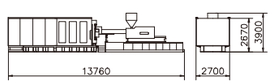
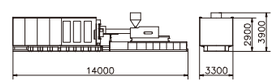
HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM1100-Ⅱ/11200			HXM1300-Ⅰ/11200			HXM1300-Ⅱ/13000			HXM1500-Ⅰ/13000		
INJECTION UNIT		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	110	120	130	110	120	130	120	130	140	120	130	140
Screw L/D ratio	L/D	22	21	19	22	21	19	24	23	21	24	23	21
Injection capacity in theory	cm^3	5797	6898	8096	5797	6898	8096	7012	8229	9544	7012	8229	9544
Injection weight(ps)	g	5275	6278	7367	5275	6278	7367	6380	7488	8685	6380	7488	8685
	oz	186.0	221.4	259.8	186.0	221.4	259.8	225.0	264.1	306.3	225.0	264.1	306.3
Injection pressure	MPa	194	163	139	194	163	139	188	160	138	188	160	138
Injection rate	g/s	858	1021	1198	858	1021	1198	930	1092	1266	930	1092	1266
Plasticizing capacity	g/s	101	112	125	101	112	125	101	115	135	101	115	135
Screw speed	rpm		110			110			95			95	
CLAMPING UNIT													
Clamping force	kN		11000			13000			13000			15000	
Moving mould-plate stroke	mm		1220			1400			1400			1500	
Max.Mould height	mm		1170			1300			1300			1500	
Min.Mould height	mm		450			550			550			700	
Space between tie-bars	mm		1160 x 1160			1320 x 1280			1320 x 1280			1450 x 1350	
Hydraulic ejector force	kN		260			300			300			380	
Hydraulic ejector stroke	mm		320			400			400			400	
Ejector number	n		21			21			21			25	
OTHER													
Pump pressure	MPa		17.5			17.5			17.5			17.5	
Motor power	kW		40+40+40			40+40+40			40+40+40			40+40+40	
Heating capacity	kW		85.5			85.5			99.8			99.8	
Machine dimension	m		12.18 x 2.65 x 3.50			12.80 x 2.70 x 2.82			13.76 x 2.70 x 3.90			14.00 x 3.30 x 3.90	
Machine weight	t		50.2			61.2			66.6			89.3	
Oil tank capacity	L		1200			1200			1400			1400	
Platen Dimensions(movable)													
Platen Dimensions(flank)													
Machine Dimensions													

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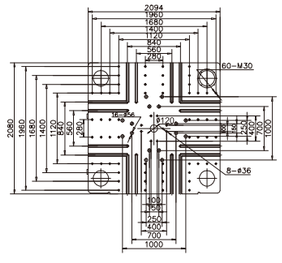
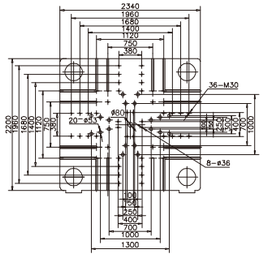
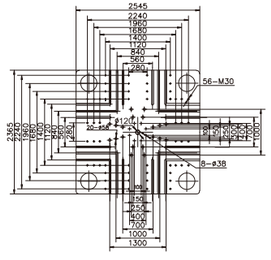
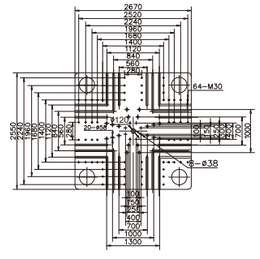
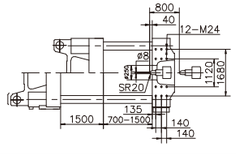
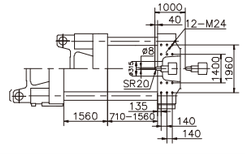
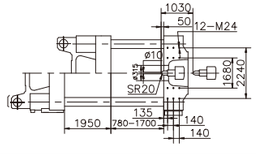
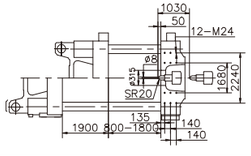
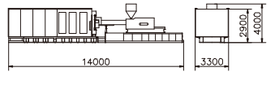
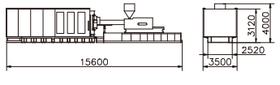
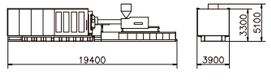
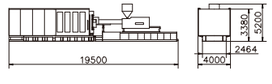
HXM SERIES SERVO ENERGY-SAVING INJECTION MOLDING MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM1500-II /15500			HXM2000/19000				HXM2200/32000			HXM2500/44000		
INJECTION UNIT		A	B	C	A	B	C	D	A	B	C	A	B	C
Screw diameter	mm	130	140	150	130	140	150	160	155	165	175	170	185	200
Screw L/D ratio	L/D	23	22	21	23	22	21	20	23	22	21	23	22	21
Injection capacity in theory	cm^3	8627	10005	11486	9291	10775	12370	14074	17737	20099	22609	24059	28493	33300
Injection weight(ps)	g	7851	9105	10452	8455	9805	11256	12807	16140	18290	20574	21894	25928	30303
	oz	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
Injection pressure	MPa	180	155	135	204	176	153	135	181	160	142	186	157	134
Injection rate	g/s	1240	1438	1651	1194	1385	1590	1809	1342	1521	1711	1424	1686	1970
Plasticizing capacity	g/s	120	140	160	109	130	150	162	100	115	135	127	170	220
Screw speed	rpm	100			90				66			65		
CLAMPING UNIT														
Clamping force	kN	15000			20000				22000			25000		
Moving mould-plate stroke	mm	1500			1600				1950			1900		
Max.Mould height	mm	1500			1560				1700			1800		
Min.Mould height	mm	700			710				780			800		
Space between tie-bars	mm	1450 x 1350			1620 x 1480				1800 x 1620			1850 x 1700		
Hydraulic ejector force	kN	380			520				520			520		
Hydraulic ejector stroke	mm	400			400				450			450		
Ejector number	n	25			33				33			33		
OTHER														
Pump pressure	MPa	17.5			17.5				17.5			17.5		
Motor power	kW	40+40+40+40			40+40+47+47				40+40+47+47			47+47+47+47		
Heating capacity	kW	118.25			119.1				162.15			214.15		
Machine dimension	m	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		
Machine weight	t	93.6			133.4				154.5			163.1		
Oil tank capacity	L	1600			2000				2200			2700		

Platen Dimensions(movable)				
Platen Dimensions(flank)				
Machine Dimensions				

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PET INJECTION MOLDING MACHINE

FEATURE OF PET MACHINE

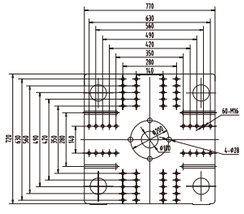
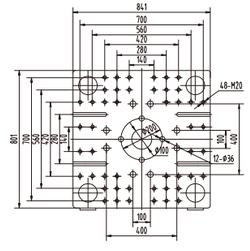
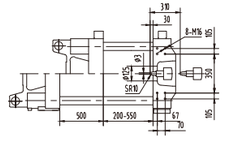
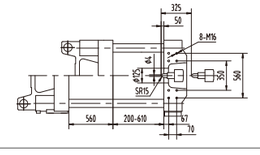
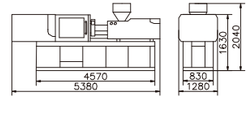
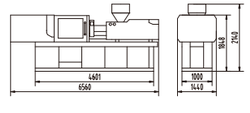
Stronger

-Stronger power system of enlarged motor & pump
-Stronger hydraulic system with specially design for PET
-Stronger torque of plasticizing motor to improve charging efficiency.
-Stronger ejection system with enlarged ejecting force and stroke for quicker and stronger ejection of multicavity of PET products.

Bigger

-Bigger base frame for enlarged injection unit
-Bigger L/D of screw with highly effective intermixing structure specially design for PET in case of shrinkage deforming, and improve the transparency.
-Bigger water manifold for quicker cooling of the mould

SPECIFICATIONS FOR PET SERIES 2026.3

PARAMETER	UNIT	HXM208PET	HXM258PET
INJECTION UNIT			
Screw diameter	mm	60	65
Screw L/D ratio	L/D	24	24
Injection capacity in theory	cm^3	678	1028
Injection weight	g	786(PET)	1193(PET)
	oz	27.7	42.0
Injection pressure	MPa	129	156
Injection rate	g/s	378	447
Plasticizing capacity	g/s	50	76
Screw speed	rpm	160	160
CLAMPING UNIT			
Clamping force	kN	2080	2580
Moving mould-plate stroke	mm	500	560
Max.Mould height	mm	550	610
Min.Mould height	mm	200	200
Space between tie-bars	mm	530x480	580 x 540
Hydraulic ejector force	kN	56	100
Hydraulic ejector stroke	mm	140	160
Ejector number	n	5	13
OTHER			
Pump pressure	MPa	17.5	17.5
Motor power	kW	21	40
Heating capacity	kW	16.85	36.65
Machine dimension	m	5.38x1.28x2.04	6.56 x 1.44 x 2.14
Machine weight	t	6.0	7.8
Oil tank capacity	L	200	250
Platen Dimensions(movable)			
Platen Dimensions(flank)			
Machine Dimensions			

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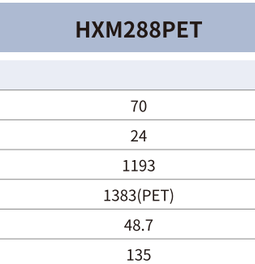
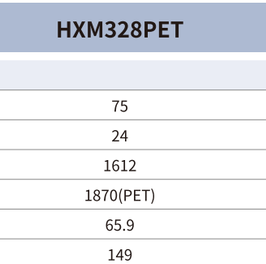
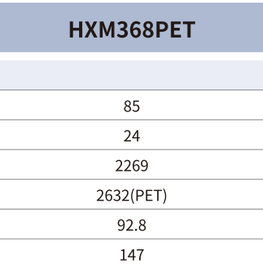
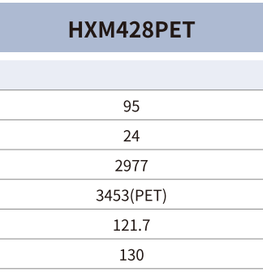
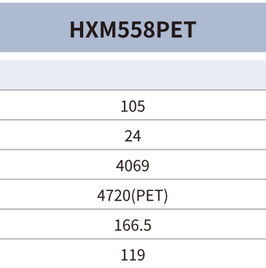
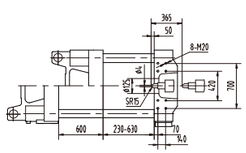
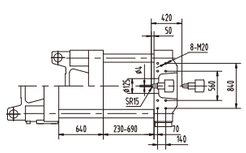
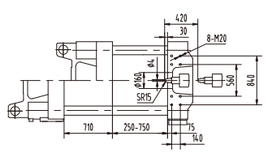
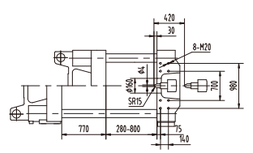
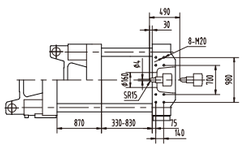
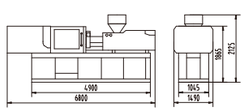
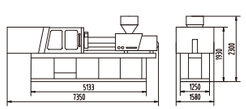
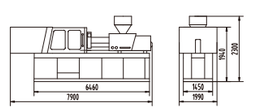
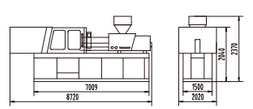
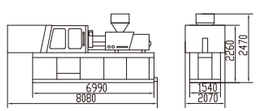
SPECIFICATIONS FOR PET SERIES 2026.3

PARAMETER	UNIT	HXM288PET	HXM328PET	HXM368PET	HXM428PET	HXM558PET
INJECTION UNIT						
Screw diameter	mm	70	75	85	95	105
Screw L/D ratio	L/D	24	24	24	24	24
Injection capacity in theory	cm^3	1193	1612	2269	2977	4069
Injection weight	g	1383(PET)	1870(PET)	2632(PET)	3453(PET)	4720(PET)
	oz	48.7	65.9	92.8	121.7	166.5
Injection pressure	MPa	135	149	147	130	119
Injection rate	g/s	518	520	727	895	1072
Plasticizing capacity	g/s	80	85	90	95	124
Screw speed	rpm	140	120	130	110	100
CLAMPING UNIT						
Clamping force	kN	2880	3280	3680	4280	5580
Moving mould-plate stroke	mm	600	640	710	770	870
Max.Mould height	mm	630	690	750	800	830
Min.Mould height	mm	230	230	250	280	330
Space between tie-bars	mm	620 x 580	670 x 610	720 x 690	770 x 740	870 x 840
Hydraulic ejector force	kN	125	134	193	193	193
Hydraulic ejector stroke	mm	170	175	180	210	230
Ejector number	n	13	13	13	13	17
OTHER						
Pump pressure	MPa	17.5	17.5	17.5	17.5	17.5
Motor power	kW	40	40	30+30	30+30	30+40
Heating capacity	kW	39	46.5	58.95	66.75	42.45
Machine dimension	m	6.8 x 1.49 x 2.15	7.35 x 1.58 x 2.30	7.90 x 1.99 x 2.30	8.72 x 2.02 x 2.37	8.54x2.04x2.64
Machine weight	t	9	10.1	13.9	16.2	22.3
Oil tank capacity	L	320	350	420	530	750
Platen Dimensions(movable)						
Platen Dimensions(flank)						
Machine Dimensions						

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CRATE

DEDICATED INJECTION MOLDING MACHINE

INJECTION UNIT

A special structured all hard alloy screw barrel has been developed for complex fruit basket raw materials, greatly improving the speed and service life of melt adhesive.

CLAMPING UNIT

- Adopting the design concept of high-speed machines, the rigidity and strength of the locking mold, shooting platform, and body have been optimized and strengthened, making the machine operate more stably and have a longer lifespan.
- Increasing the mold transfer stroke and the inner distance of the pull rod is more suitable for products such as deep cavity fruit and vegetable baskets and aquatic baskets.

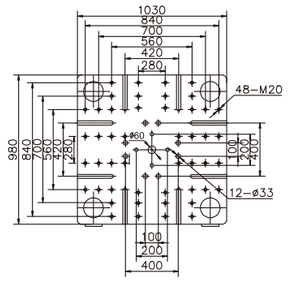
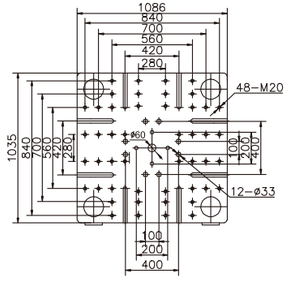
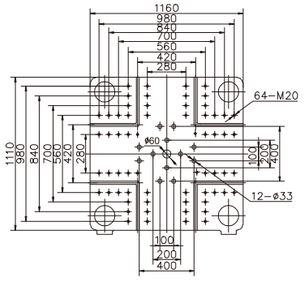
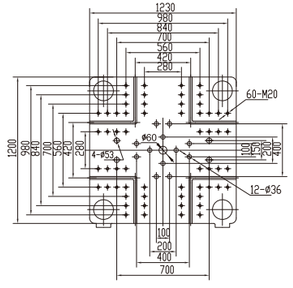
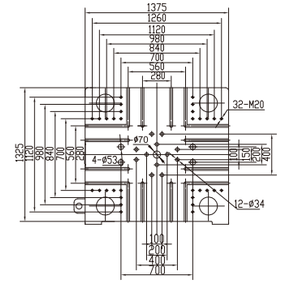
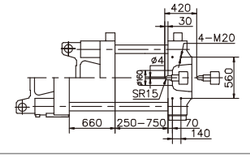
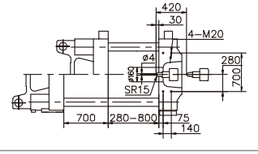
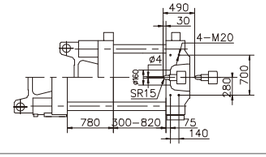
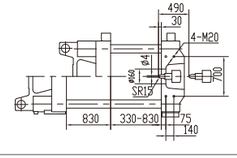
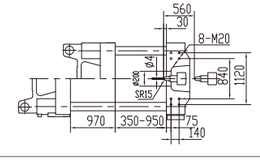
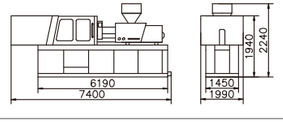
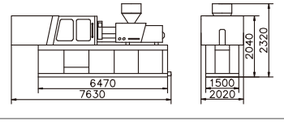
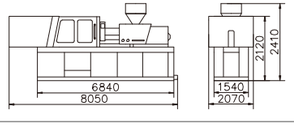
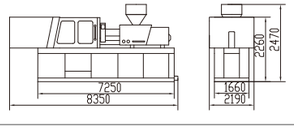
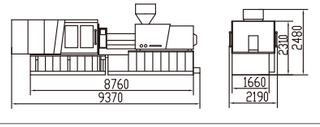
HYDRAULIC UNIT

- Equipped with a dedicated melt adhesive motor to ensure high lifespan under high-speed working conditions.
- Adopting a large-diameter oil system, the response speed is faster.
- Using hydraulic components from world-renowned brands, the operation is more stable and the control is more precise.

INJECTION UNIT

Upgraded the power system to provide strong power to the entire machine, greatly improving its operating speed and shortening the production cycle.

CRATE SPECIAL MACHINE SPECIFICATIONS 2026.3

PARAMETER	UNIT	HXM368-G/2400	HXM480-G/3700		HXM520-G/4300		HXM580-G/5400		HXM700-G/5700
INJECTION UNIT									
Screw diameter	mm	80	90	95	95	100	100	105	110
Screw L/D ratio	L/D	19	19	19	19	19	19	19	19
Injection capacity in theory	cm^3	1834	2544	2835	2977	3377	3691	4070	4371
Injection weight	g	1669	2315	2580	2709	3073	3360	3703	3978
	oz	58.8	81.6	91.0	95.5	108.3	118.5	130.6	140.3
Injection pressure	MPa	131	148	133	146	131	147	133	132
Injection rate	g/s	583	657	732	668	832	747	915	924
Plasticizing capacity	g/s	80	99	108	95	110	100	110	120
Screw speed	rpm	160	200	200	170	190	170	170	150
CLAMPING UNIT									
Clamping force	kN	3680	4800	4800	5200	5200	5800	5800	7000
Moving mould-plate stroke	mm	710	770	770	830	830	870	870	970
Max.Mould height	mm	750	800	800	820	820	830	830	950
Min.Mould height	mm	250	280	280	300	300	330	330	350
Space between tie-bars	mm	720 x 690	770 x 740	770 x 740	820 x 800	820 x 800	870 x 840	870 x 840	970 x 920
Hydraulic ejector force	kN	134	125	125	125	125	181	181	227
Hydraulic ejector stroke	mm	180	210	210	210	210	230	230	260
Ejector number	n	13	13	13	13	13	17	17	17
OTHER									
Pump pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Motor power	kW	40	40+40	40+40	40+40	40+47	40+47	47+47	47+47
Heating capacity	kW	25	25	25	27	27	30	30	45
Machine dimension	m	7.4 x 1.99 x 2.24	7.63 x 2.02 x 2.32	7.63 x 2.02 x 2.32	8.05 x 2.07 x 2.41	8.05 x 2.07 x 2.41	8.35 x 2.19 x 2.4	8.35 x 2.19 x 2.4	9.52 x 2.27 x 2.65
Machine wight	t	13	14.8	14.8	17.7	17.7	22.2	22.2	31
Oil tank capacity	L	420	530	530	630	630	750	750	850
Platen Dimensions(movable)									
Platen Dimensions(flank)									
Machine Dimensions									

Due to continual improvement,specifications are subject to change without notification