

# COMPANY PROFILE

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

- 3

Honored with “Top 3” manufacturer of comprehensive strength by NBPMA over the past decade.
- 50+

Sold to more than 50 countries around the world
- 50+

Established in 1973. Concentrate on Injection Molding field more than 50 years.
- 7000 +

Annual output more than 7000 sets, ensuring faster delivery time.
- 120000+

It covers an area of 120000 square meters
- 130,000,000+

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



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 HIGHSUN HIGHSUN MACHINERY



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UPVC & CPVC FITTING  
INJECTION MOLDING MACHINE

NINGBO BEILUN HIGHSUN MACHINERY CO., LTD.

# UPVC & CPVC FITTING

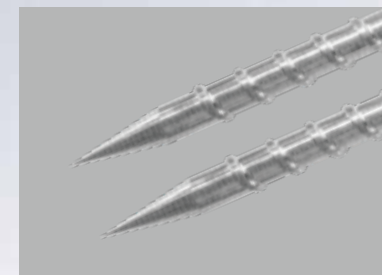
## INJECTION MOLDING MACHINE



Standard with double core pulling device for Fitting molds.



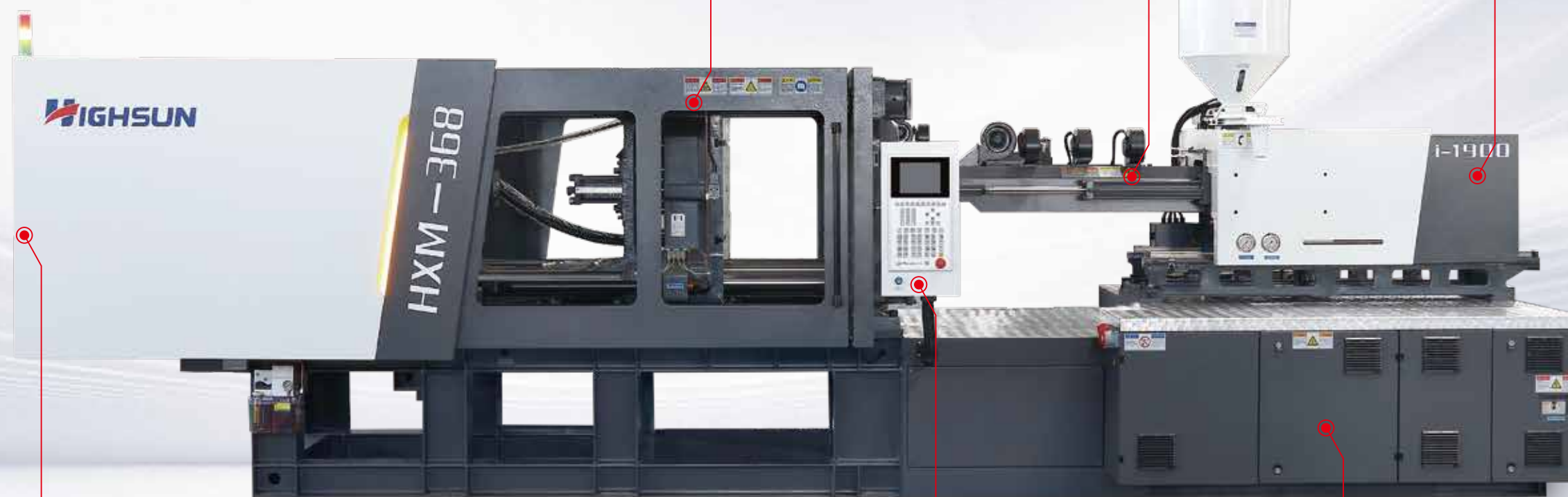
Air fan cooling equipment on the barrel, PID temperature control system.



Special screw and barrel for PVC/CPVC.



Enlarged charging system with stronger torque of motor to improve plasticization for PVC/CPVC.



Widened security doors to compatible with core pulling cylinder structure of FITTING MOULD.



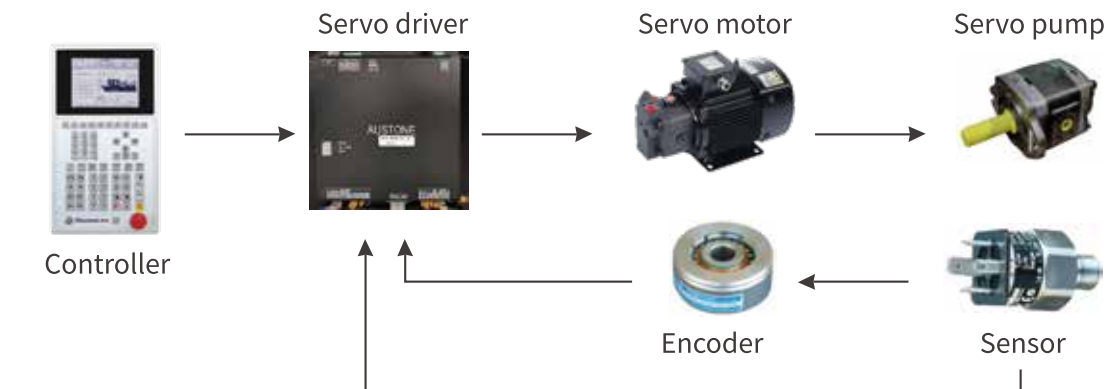
Intelligent control unit, friendly man-machine interface, quick response of system, precise execution of machine.



National level 1 energy conservation certification, European servo system, optimized hydraulic system, adopt international famous electric components.



HXM series hydraulic servo control principle



ITEM	BRAND	ORIGINAL
Pump	Settima/Sumitomo	Italy/Japan
Servo Motor	Techmation	Taiwan
Servo Driver	Techmation	Taiwan
Controller	Techmation/KEBA	Taiwan/Austria
Hydraulic Hose	Balflex	Italy
Contacts	Fuji	Japan
Switch	Fuji	Japan
SSR	Omron	Japan

Fittings

COUPLING	FITTING CLEANOUT ADAPTER	SPIGOT ADAPTER, CAST IRON SOIL PIPE	LONG SWEEP 1/4 BEND	VENT ELL	DOUBLE SANITARY TEE,REDUCING	COMBINATION WYE & 1/8 BEND,REDUCING (TWO PC.)	COTTAGE WYE, LH INLET	CLOSET FLANGE W/CO(ONE PC.)
FEMALE ADAPTER	FITTING CLEANOUT ADAPTER W/C.O.PLUG	HUB ADAPTER,CAST IRON SOIL PIPE	LONG SWEEP 1/4 BEND W/LOW HEEL INLET	VENT ELL	DOUBLE SANITARY TEE,STREET	DOUBLE COMBINATION WYE & 1/8 BEND	COTTAGE WYE, RH INLET	CLOSET FLANGE, ADJUSTABLE (W/METAL RING)
REDUCING COUPLING	CLEANOUT PLUG W/RAISED NUT	HUB ADAPTER, CAST IRON SOIL PIPE INCREASER	LONG SWEEP 1/4 BEND	VENT ELL, STREET	DOUBLE SANITARY TEE W/SIDE INLET	DOUBLE FIXTURE FITTING	RETURN BEND	CLOSET FLANGE, ADJUSTABLE (W/METAL RING)
TRAP ADAPTER- MALE	CLEANOUT PLUG- FLUSH	REPAIR COUPLING	1/6 BEND	SANITARY TEE	DOUBLE SANITARY TEE W/R & L SIDE INLETS	WYE	P-TRAP	CLOSET FLANGE, FLUSH (W/KO)
TRAP ADAPTER- MALE	FLUSH BUSHING	TEST CAP INSERT TYPE	1/8 BEND	SANITARY TEE, REDUCING	VENT TE	WYE, REDUCING	P-TRAP LOW PROFILE HxH	OFFSET CLOSET FLANGE
TRAP ADAPTER- MALE	FLUSH BUSHING	TEST CAP-PIPE	1/8 BEND, STREET	SANITARY TEE, STREET	CLEANOUT TE W/C.O. PLUG	WYE, STREET	P-TRAP W/CLEANOUT	

UPVC fitting Application Case 1

Material Formula: UPVC + CaCO<sub>3</sub>, Prilling  
Product Series :45°WYEE  
Product Specification:75  
Cavity Quantity: One mold two cavities  
Machine Model:HXM368

Cycle Time: 49S  
Clamping:2.5  
Injection:12  
Holding Pressure:1  
Cooling&Charging: 30  
Mold Opening :2  
Ejector: 1.5



UPVC fitting Application Case 2

Material Formula: UPVC Powder  
Product Series:90°Elbow  
Product Specification: 90  
Quantity of Molding Cavity: One mold two cavities  
Machine Model:HXM428

Cycle Time: 55S  
Clamping:2.5  
Injection:16  
Holding Pressure:1  
Cooling&Charging: 32  
Mold Opening :2  
Ejector: 1.5



UPVC fitting Application Case 3

Material Formula:UPVC  
Product Series : Plain Tee  
Product Specification: 250  
Cavity Quantity: One cavity  
Machine Model:HXM850

Cycle Time: 65S  
Clamping:2.5  
Injection:14  
Holding Pressure:1  
Cooling&Charging: 44  
Mold Opening :2  
Ejector: 1.5



产品规格 SPECIFICATIONS	UNIT	HXM168PVC	HXM198PVC	HXM228PVC	HXM268PVC	HXM318PVC	HXM368PVC	HXM428PVC	HXM488PVC	HXM558PVC	HXM658PVC	HXM730PVC	HXM850PVC
注射单元 INJECTION UNIT													
螺杆直径 Screw diameter	mm	42	45	50	55	60	70	75	80	85	90	95	100
螺杆长径比 Screw L/D ratio	L/D	22	22	20	20	21	21	20	20	20	21	22	21
理论注射容积 Injection capacity in theory	cm³	318	405	431	546	820	1308	1634	1860	2382	2799	3188	4264
注射重量 Injection weight(pvc)	g	375	485	540	685	1012	1560	1950	2200	2810	3300	3750	5120
注射压力 Injection pressure	MPa	212	185	186	185	183	171	189	183	182	197	200	173
注射速率 Injection rate	g/s	190	210	278	333	403	460	570	645	710	720	790	870
塑化能力 Plasticizing capacity	g/s	20	26	35	45	54	60	70	80	90	100	110	115
螺杆转速 Screw speed	rpm	220	190	200	200	190	160	190	150	150	145	110	110
合模单元 CLAMPING UNIT													
合模力 Clamping force	KN	1680	1980	2280	2680	3180	3680	4280	4880	5580	6580	7300	8500
移动模板行程 Moving mould-plate stroke	mm	450	500	520	550	600	660	770	780	870	970	950	1120
最大模厚 Max.Mould height	mm	550	550	580	600	690	750	800	820	830	950	960	1050
最小模厚 Min.Mould height	mm	150	200	200	230	230	250	280	300	330	350	400	400
拉杆有效间距 Space between tie-bars	mm	470×430	530×480	570×520	620×570	660×590	720×670	770×740	820×770	870×840	970×920	1000×950	1070×1020
液压顶出力 Hydraulic ejector force	KN	56	67	86	86	86	134	134	134	193	227	227	227
液压顶出行程 Hydraulic ejector stroke	mm	130	140	150	170	170	180	210	200	230	260	280	300
顶出点数 Ejector number	KN	5	5	9	13	13	13	13	13	17	17	17	21
其它 OTHER													
油泵压力 Pump pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
电机功率 Motor power	KW	21	21	30	30	40	40	30+30	30+30	30+40	40+40	40+40	40+40
加热功率 Heating capacity	KW	10.95	12.95	13.55	16.83	18.15	23.15	23.15	26.45	28.85	42	48.8	48.8
外形尺寸 Machine dimension	m	5.03×1.51×1.93	5.48×1.58×2.04	5.64×1.64×2.10	5.88×1.71×2.15	6.31×1.82×2.20	7.4×2.59×2.24	7.63×2.62×2.32	8.05×2.67×2.41	9.37×2.79×2.47	9.52×2.87×2.65	11.6×2.88×2.74	12.18×3.00×2.74
机器重量 Machine wight	t	4.5	5.9	7.5	8.5	9	12	14.5	17	21	32	34.5	40
油箱容积 Oil tank capacity	L	253	272	281	311	415	680	687	969	1156	1136	1315	1315