

PLASTIC INJECTION MOULDING MACHINES

———— 80 Ton to 2500 Ton ————

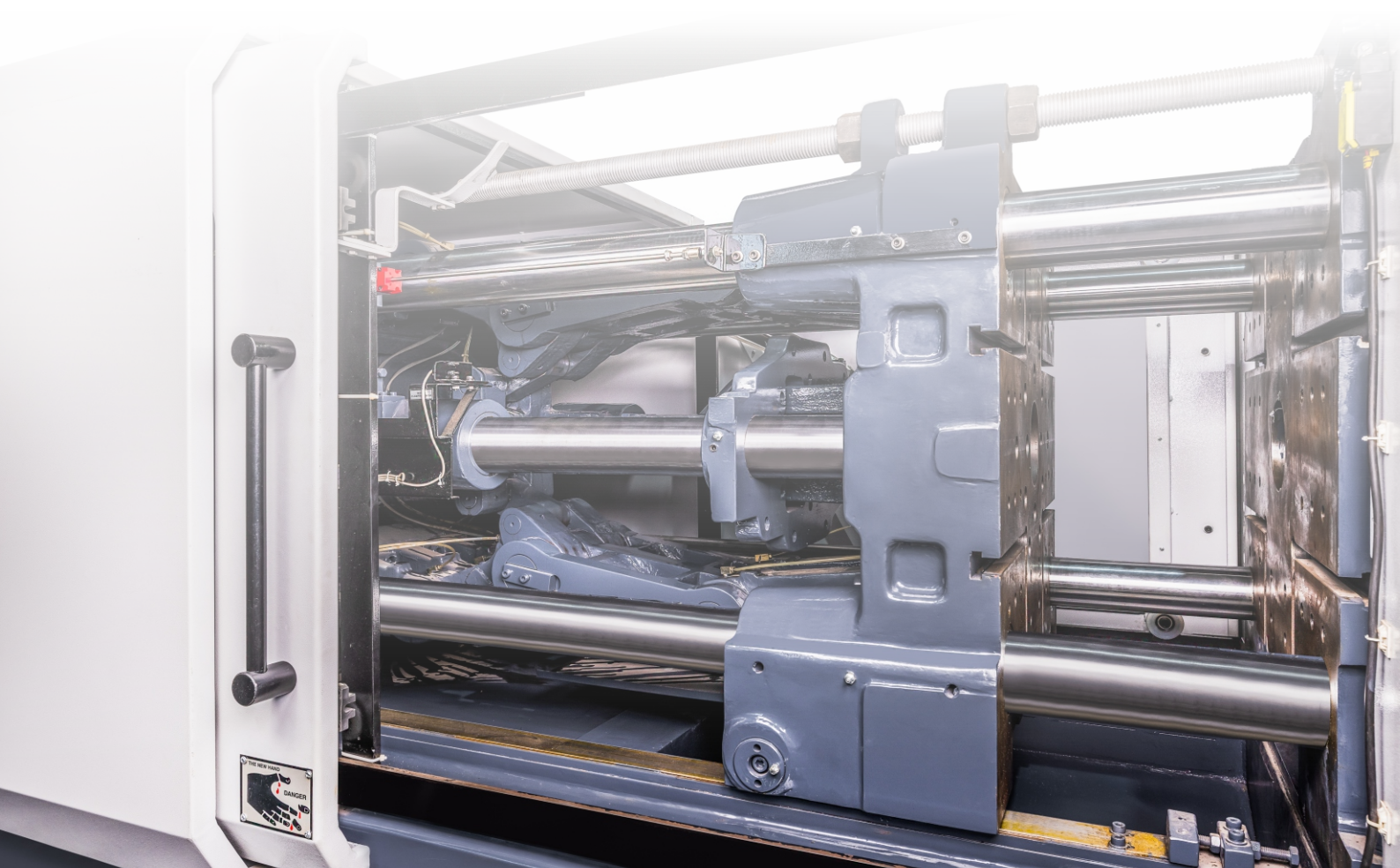


LEADING THE GROWTH

About us

The Company excels into various engineering products with state of the art plant at Saswad, Pune having in-house infrastructure of design, development, machining, sheet metal and complete assembly. The sales and service network spread across the country with local representations at 40 locations backed with skilled Sales & Service team.

The Company has now ventured into injection moulding machines and aims to offer latest technology products at best price.



ELECTRIC SYSTEM



- Support for multiple languages
- System with dual core microprocessors makes it high speed
- Anti noise, low power consumption



- Internal inspection Ethernet interface, convenient connection with a record of 120 groups with alarm recording function
- Computer boots self-test function and mechanical failure alarm



- Supports simultaneous monitoring of multiple machines through an office computer, corporate managers, etc.
- User friendly design layout manipulation Servo drives can achieve a variety of control methods of digital control
- Multiple closed-loop monitoring device as transfer mode

INJECTION UNIT



- Adopting Taiwan Technology
- Hydraulic circuit designed to meet international safety standards
- Automatic read oil temperature
- No welding pipe in order to achieve stable flow
- Adopt international well-known hydraulic components

TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	X110			X140			X170		
		A	B	C	A	B	C	A	B	C
INJECTION UNIT										
Screw Diameter	mm	35	38	42	38	42	45	42	45	50
Screw L/D Ratio	L/D	22.8	21	19	22.1	20	18.6	23.5	22	19.8
Shot Volume	cm ³	163	192	235	226	277	318	311	357	441
Shot Weight (PS)	gms	148	175	213	206	252	289	283	325	402
Injection Rate	gms/sec	90	104	128	94	115	132	138	160	196
Injection Pressure	Mpa	219	186	158	208	171	149	203	177	143
Screw Diameter	r/min	205			220			190		
CLAMPING UNIT										
Clamping Force	KN	1100			1400			1700		
Toggle Stroke	mm	350			380			435		
Space between tie bars (WxH)	mm	370 x 370			420 x 420			470 x 470		
Max. Mould Height	mm	380			450			520		
Min. Mould Height	mm	150			160			180		
Ejector Stroke	mm	100			120			135		
Ejector Tonnage	KN	30			50			50		
OTHERS										
Max. Pump Pressure	Mpa	16			16			16		
Motor Power	Kw	11			15			18.5		
Heater Power	Kw	8			9.3			12.3		
Machine Dimensions	mtrs	4.2 x 1.2 x 1.79			4.48 x 1.33 x 1.90			5.04 x 1.43 x 2.12		
Oil tank Capacity	ltrs	190			270			300		
Machine Weight	T	3.2			4			6		

X230			X270			X310			X360			X410		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
45	50	55	50	55	60	55	60	65	65	70	75	70	75	80
23.4	21	19.1	25.2	22.9	21	23	21	19	22.5	21	19.5	22	20	19
397	490	593	530	641	763	677	805	945	1175	1362	1564	1501	1723	1960
362	446	540	482	583	694	615	732	860	1069	1239	1423	1366	1568	1784
124	154	186	187	227	270	223	266	312	337	368	422	335	384	437
207	168	138	205	169	142	200	168	143	208	180	157	174	152	133
175			185			190			155			172		
2300			2700			3100			360			4100		
475			540			590			660			705		
520 x 520			570 x 570			615 x 615			660 x 660			720 x 700		
530			550			630			680			780		
200			200			200			250			250		
140			150			150			160			150		
70			70			70			70			80		
16			16			16			16			16		
22			30			30			37			37		
14.8			16.8			18			24.6			29.5		
5.68 x 1.50 x 2.14			5.9 x 1.60 x 2.25			5.98 x 1.66 x 2.35			7.21 x 1.88 x 2.34			7.4 x 1.9 x 2.35		
300			380			385			620			700		
7			8			9.5			12.5			16		

TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	X460			X530			
		A	B	C	A	B	C	D
INJECTION UNIT								
Screw Diameter	mm	70	75	80	75	80	85	90
Screw L/D Ratio	L/D	22	20	19	22.7	21.2	20	18.9
Shot Volume	cm ³	1501	1723	1960	1722	1960	2213	2481
Shot Weight (PS)	gms	1366	1568	1784	1567	1783	2013	2257
Injection Rate	gms/sec	335	384	437	386	442	499	560
Injection Pressure	Mpa	199	173	152	191	168	148	132
Screw Diameter	r/min	169			130			
CLAMPING UNIT								
Clamping Force	KN	4600			5300			
Toggle Stroke	mm	740			770			
Space between tie bars (WxH)	mm	770 x 770			820 x 780			
Max. Mould Height	mm	780			810			
Min. Mould Height	mm	250			330			
Ejector Stroke	mm	200			200			
Ejector Tonnage	KN	110			150			
OTHERS								
Max. Pump Pressure	Mpa	16			16			
Motor Power	Kw	45			55			
Heater Power	Kw	29.5			32.6			
Machine Dimensions	mtrs	7.5 x 1.95 x 2.4			8.82 x 2.05 x 2.82			
Oil tank Capacity	ltrs	720			900			
Machine Weight	T	20			28			

X650				X780				X1000				X1200			
A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
90	95	100	105	90	95	105	110	95	100	105	110	100	110	120	130
23	21	20	19	23	21	20	18.5	25.5	23	21.9	20.9	23	20.9	19.1	18.5
2544	2834	3140	3412	2925	3259	3982	4369	3544	3927	4330	4751	4367	5284	6288	7380
2315	2579	2857	3150	2662	2966	3623	3977	3225	3645	3940	4323	3974	4808	5722	6716
552	612	679	748	574	640	708	781	580	717	867	948	580	717	867	948
184	165	149	135	194	174	143	130	195	175	158	143	197	163	137	117
149				110				100				100			
6500				7800				10000				12000			
870				950				1000				1200			
880 x 880				980 x 950				1125 x 1085				1180 x 1100			
900				960				1100				1250			
350				400				400				500			
250				280				325				325			
150				210				215				245			
16				16				16				16			
37 + 27				45 + 37				45 + 45				55 + 45			
42.8				54.3				59				67			
10.2 x 2.2 x 2.71				11.43 x 2.4 x 3.14				12.15 x 2.6 x 2.85				12.15 x 2.6 x 2.85			
1100				1200				1700				2050			
32				42				53				60			

"we reserve the right to alter or change the specifications mentioned without prior notice for better results.
Actual data may vary depending on material & processing conditions"

STANDARD FEATURES FOR X SERIES MACHINES

INJECTION UNIT

- Nitrited Screw barrel
- Extended nozzle
- Alarm for low temperature
- Three stage Injection process control
- Injection position with linear scales
- Stainless steel hopper

CLAMPING UNIT

- Five point twin toggle system
- Hydraulic single pumping unit
- Automatic mould setting feature
- Hard chrome plated alloy steel column
- Low pressure mould protection setting
- Electrical and Mechanical safety setting
- Three stage Mould locking stroke control
- Linear scale control for position monitoring

HYDRAULIC UNIT AND OTHERS

- Automatic Lubrication system
- Reputed Hydraulic components
- High temperature alarm
- Bypass filter device

OPTIONAL FEATURES FOR X SERIES MACHINES

INJECTION UNIT

- Biletallic screw and barrel
- Special heaters for power savings
- Shut off nozzle
- Extra long extended nozzle
- Hopper Dryer
- Auto Loader

CLAMPING UNIT

- Ejector on fly
- Multiple core pulling
- Robot Interface
- Water manifold with more connections
- Air Ejection

