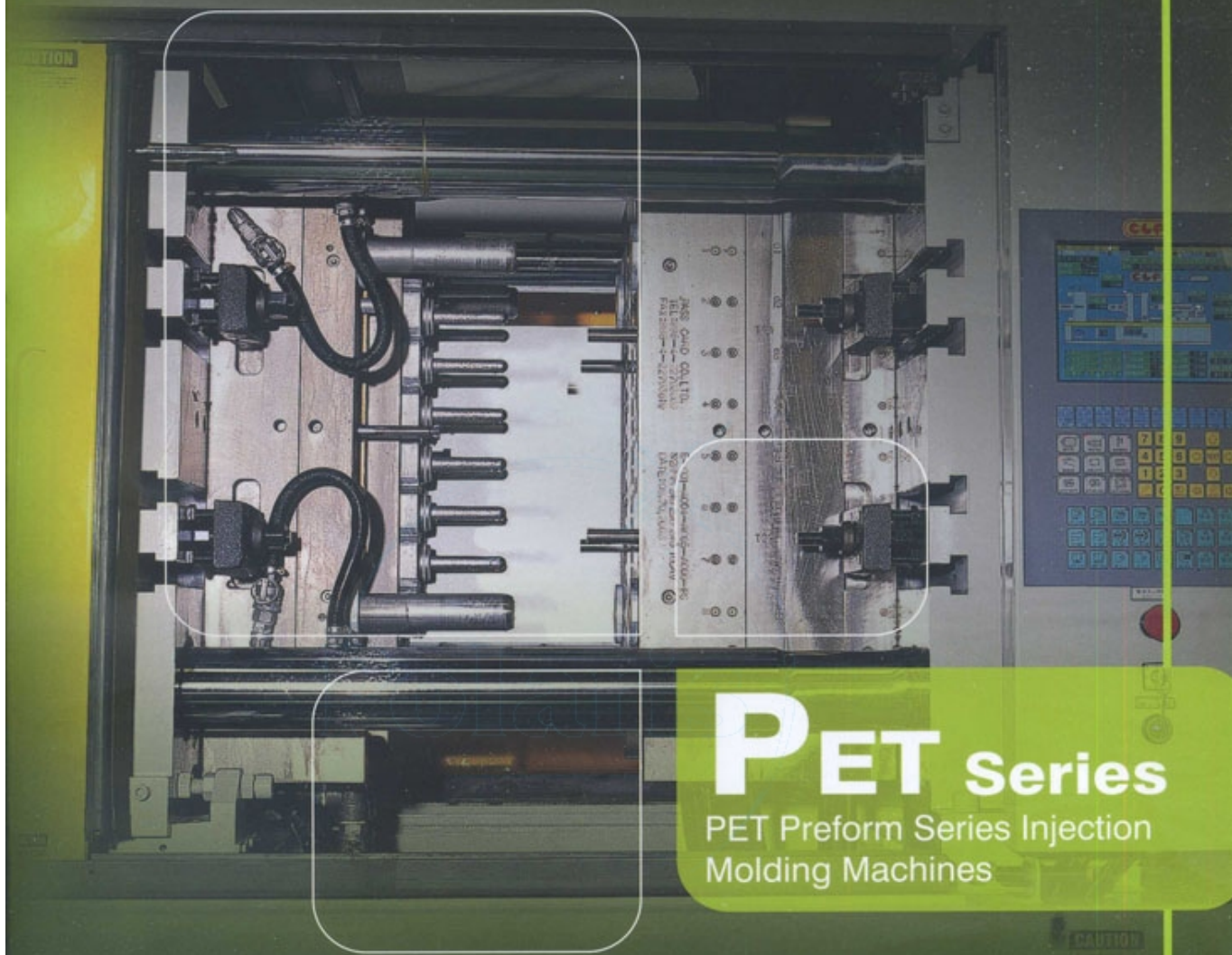




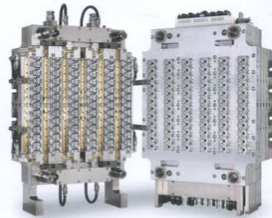
PET Series

PET Preform Series Injection
Molding Machines



Being Advanced is Most Important at CLF.

CHUAN LIH FA offers a full series of plastic injection molding machines for big, medium and small mouth PET preform production.

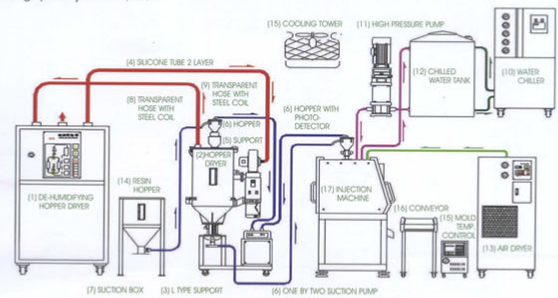


PET Series

PET Preform Series Injection Molding Machines

With extensive experience in multi-turnkey projects for our customers, CHUAN LIH FA offers a full series of plastic injection molding machines for big, medium and small mouth PET preform production. Each model is designed meet the special requirements of PET resin.

To meet various production environments, CHUAN LIH FA also offers comprehensive peripheral equipment that helps customers to produce high quality preforms. The available peripheral equipment includes: resin drying system, resin conveying system, PET preform mold with various designs and cavities, hot runner system and temperature control, chilled water and dry air system, product handling system and packing quantity control, etc.



PET Series



PET Preform Series Injection Molding Machine Specifications:

Machine Model			CLF-230TX-PET		CLF-285TX-PET		CLF-350TX-PET	
INJECTION UNIT		UNIT	1470		2436			2436
Screw Diameter		mm	55	60	70	75	70	75
Theoretical Inj. Volume		cm³	712	847	1269	1457	1269	1457
Max. Injection Pressure		Kg/cm²	2066	1736	1920	1672	1920	1672
Max. Injection Speed		mm/sec.	141	141	124	124	124	124
Max. Injection Rate		cm³/sec.	336	400	477	548	477	548
PET Max. Shot Weight		gram	744	886	1327	1523	1327	1523
PET Plasticizing Rate		Kg/Hr.	81	96	123	140	123	140
Screw Rotation Speed		RPM	128		130		130	
Nozzle Radius / Hole		mm/ mm	15 / 7		15 / 10		15 / 10	
Heating Zones		zone	6		7		7	
Heating Capacity		KW	19		24		24	
CLAMPING UNIT								
Distance Between Tie Bars		mm	560 x 560		610 x 610		670 x 670	
Dimension of Platen		mm	860 x 860		940 x 940		1030 x 1030	
Mold Height		mm	200 - 600		200 - 650		200 - 700	
Mold Opening Stroke		mm	560		610		680	
Clamping Force		Ton	230		285		350	
Dia. of Locating Ring		mm	160		160		160	
Ejector Stroke		mm	150		150		200	
Ejecting Force		Ton	6.2		6.2		7	
GENERAL DATA								
Pump Driving Motor		HP	75		100		100	
Capacity of Oil Reservoir		Liter	900		1200		1200	
Machine Dimension		m	7 x 1.65 x 2.1		7.5 x 1.75 x 2.3		7.8 x 1.80 x 2.3	
Net Weight		Ton	11		13		16.5	
PREFORM SIZE AND QUANTITY:								
Preform Weight	Small Mouth	*35g	No. per shot	Estimated monthly production(24hrs x 24 ton)	No. per shot	Estimated monthly production(24hrs x 24 ton)	No. per shot	Estimated monthly production(24hrs x 24 ton)
		*65g	4*6*8	360000*490000*610000	8*12	610000*900000	12*16	900000*1200000
		*120g	2*4	160000*300000	4*6*8	300000*430000*550000	6*8*12	430000*550000*800000
	Medium Mouth		2	100000	4*6	200000*300000	6*8	300000*400000
		*70g			4*6	250000*320000	6*8	320000*400000
Big Mouth	*130g			4	200000	6	300000	

* All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.



FEATURES:

1. High production speed. Above models perform material loading and mold clamping simultaneously. (CLF Patented No. 145402)
2. Depending on product characteristics and production requirements, the machine series is available to equip with accumulator and servo valve for high speed, high precision molding control. Contact CLF for detailed specifications.
3. To shorten the in-mold cooling time and increase productivity. An out-mold cooling device is available. (Optional)



5Gal. PET Preform Series Injection Molding Machine Specifications:

CLF-400TX-PET		CLF-500TX-PET		CLF-600TX-PET	
4183		4183		6630	
80	85	80	85	95	100
2135	2410	2135	2410	3542	3925
1959	1736	1959	1736	1872	1690
115	115	125	125	104	104
579	654	628	709	742	822
2232	2520	2232	2520	3701	4101
166	188	166	188	249	276
93		93		98.5	
20 / 12		20 / 14		25 / 30	
8		8		10	
35.5		35.5		49.8	
730 x 730		810 x 810		910 x 910	
1120 x 1120		1260 x 1260		1390 x 1390	
250 - 750		300 - 900		300 - 1000	
750		800		900	
400		500		6000	
160		200		200	
200		200		250	
7		11		13.3	
125		135		150	
1600		1800		2000	
7.8 x 1.8 x 2.4		8.8 x 2.0 x 2.5		10.3 x 2.3 x 2.5	
17.5		28.5		41	
No. per shot	Estimated monthly production (24hrs x 24hrs)	No. per shot	Estimated monthly production (24hrs x 24hrs)	No. per shot	Estimated monthly production (24hrs x 24hrs)
24	1728000	48	3000000	48	3000000
16	1015000	24	1450000	48	2850000
12	576000	16	700000	32	1350000
8	450000	12	675000	16	900000
6	324000	8	420000	12	620000

Machine Model		CLF-500TW-PET	
INJECTION UNIT	UNIT	6630	
Screw Diameter	mm	95	100
Theoretical Inj. Volume	cm ³	3542	3925
Max. Injection Pressure	Kg/cm ²	1872	1690
Max. Injection Speed	mm/sec.	104	104
Max. Injection Rate	cm ³ /sec.	742	822
PET Max. Shot Weight	gram	3701	4101
PET Plasticizing Rate	Kg/Hr.	249	276
Screw Rotation Speed	RPM	98.5	
Nozzle Radius / Hole	mm/ mm	25 / 30	
Heating Zones	zone	10	
Heating Capacity	KW	49.8	
CLAMPING UNIT			
Distance Between Tie Bars	mm	810 x 810	
Dimension of Platen	mm	1260 x 1260	
Mold Height	mm	300 - 900	
Mold Opening Stroke	mm	1000	
Clamping Force	Ton	500	
Dia. of Locating Ring	mm	200	
Ejector Stroke	mm	200	
Ejecting Force	Ton	11	
GENERAL DATA			
Pump Driving Motor	HP	150	
Capacity of Oil Reservoir	Liter	2000	
Machine Dimension	m	9.4 x 1.95 x 2.5	
Net Weight	Ton	30	
PREFORM SIZE AND QUANTITY:			
Preform for 5Gal. Mineral Water Container	*800g	No. per shot	Estimated monthly production (24hrs x 24hrs)
		4	100000

PET Series



PET CAP Series Injection Molding Machine Specifications:

Machine Model			CLF-120TX-CAP		CLF-180TX-CAP	
INJECTION UNIT		UNIT	416		717	
Screw Diameter		mm	35	40	40	45
Theoretical Inj. Volume		cm ³	202	263	307	389
Max. Injection Pressure		Kg/cm ²	2057	1575	2327	1839
Max. Injection Speed		mm/sec.	186	186	153	153
Max. Injection Rate		cm ³ /sec.	179	234	192	243
PE Max. Shot Weight		gram	146	190	222	281
PE Plasticizing Rate	Cooling Time	g/sec.	9.4	12.3	14.6	18.5
	Mold Movement	g/sec.	9.4	12.3	14.6	18.5
Screw Rotation Speed	Cooling Time	RPM	228.5		272.5	
	Mold Movement	RPM	228.5		272.5	
Nozzle Radius / Hole		mm/ mm	12.7 / 5		12.7 / 5	
Heating Zones		zone	5		5	
Heating Capacity		KW	5.7	6.8	9.6	10.6
Clamping Unit						
Distance Between Tie Bars		mm	420 x 420		510 x 510	
Dimension of Platen		mm	630 x 630		765 x 765	
Mold Height		mm	150 – 450		150 – 550	
Mold Opening Stroke		mm	420		500	
Clamping Force		Ton	120		180	
Dia. of Locating Ring		mm	125		160	
Ejector Stroke		mm	110		150	
Ejecting Force		Ton	5.4		5.4	
General Data						
Pump Driving Motor		HP	40		50	
Capacity of Oil Reservoir		Liter	500		700	
Machine Dimension		m	5.2 x 1.6 x 1.7		5.6 x 1.6 x 1.9	
Net Weight		Ton	5.6		8	

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CLF-230TX-CAP		CLF-285TX-CAP		CLF-350TX-CAP		CLF-400TX-CAP		CLF-500TX-CAP	
1000		1470		1470		2436		2436	
45	50	55	60	55	60	70	75	70	75
429	530	712	847	712	847	1269	1457	1269	1457
2322	1881	2066	1736	2066	1736	1920	1672	1920	1672
150	150	144	144	167	167	143	143	143	143
238	294	342	407	396	472	552	633	552	633
310	383	514	611	514	611	916	1052	916	1052
14.6	17.9	30.6	36.4	34.4	40.9	58.7	67.3	58.7	67.3
14.6	17.9	17.4	20.7	20.9	24.8	29.3	33.6	29.3	33.6
213.3		274		308		324		324	
213.3		156		187		162		162	
12.7 / 6		12.7 / 8		12.7 / 8		12.7 / 8		12.7 / 8	
5		5		5		7		7	
12.6	12.6	16.9	18.6	16.9	18.6	24.1	25.9	24.1	25.9
560 x 560		610 x 610		670 x 670		730 x 730		810 x 810	
860 x 860		940 x 940		1030 x 1030		1120 x 1120		1260 x 1260	
200 – 600		200 – 650		200 – 700		250 – 750		300 – 900	
560		610		680		750		800	
230		285		350		400		500	
160		160		160		160		200	
150		150		200		200		200	
6.2		6.2		7		7		11	
60		75		100		120		120	
800		1000		1400		1400		1600	
6.5 x 1.7 x 2.0		7.3 x 1.8 x 2.1		7.6 x 1.8 x 2.1		8.4 x 1.9 x 2.2		8.8 x 2.0 x 2.2	
10.6		13		16		21.6		26.5	

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