

**CLF**



# PAINT BUCKET

PLASTIC INJECTION MOLDING MACHINE



**1 新型**  
**NEW MODEL**

**2 穩定**  
**STABLE**

**3 精確**  
**ACCURATE**

**4 高效能**  
**HIGH EFFICIENCY**

CLF offer 5L-20L paint buckets, include paint buckets cover and handle. In the clamping unit, CLF use the TWII outward toggle series and add the high standard of injection unit to meet the injection volume demand. In order to save cycle time and increase productivity, we increase injection speed and plan to use electric charge and core ejector on fly. In addition, we will follow customers request and choose the high rigidity of machine to operate. At the automatic production side, we can use the robot to pick up the products. We also can use IML systems on the pain buckets and the cover include some automatic production equipment. CLF injection molding machines have ability and confidence to turn-key export. Include the mold and other related equipments. CLF expect to create high efficiency and high productivity value for customers.

#### Features :

- Using servo energy-saving system, and energy saving is 60% higher than traditional hydraulic system.
- Improve the injection speed and high plasticizing ability, and also achieve product stability and high productivity.
- With high-mixing, high plasticizing type of PP special screw, the plastic mixing well and have high efficient production.
- The latest outward toggle type mold-clamping features, due to the supporting force is close to the middle, the mold is not easy deformed, and high yield rate of product.
- The newest injection unit using high rigidity and low-friction linear slide design.
- Up to 15L of paint buckets, the machine have include standard equipment of electric charging system, it also have the action of mold opening, charging, ejection and core-pulling, saving energy and shorten cycle time.



# PAINT BUCKET SERIES



PAINT BUCKET TYPE		5L	10L	15L	20L
Caliber	mm	φ180 x 230H	φ275 x 273H	φ302 x 316H	φ305 x 370H
Single piece weight	g	200	470	560	730
Mold cavity	Cavity	1	1	1	1
Production cycle	sec.	16	17	18	20
Productivity (one day)	piece	5400	5082	4800	4320
Machine model		300TWII + 1400 - D60	420TWII + 2810 - D80	500TWII + 4350 - D90	600TWII + 8000 - D110
Remarks		-	-	Triple circuit + electric storage	

PAINT BUCKET COVER TYPE		5L	10L	15L	20L
Caliber	mm	φ178 x 20H	φ275 x 25H	φ302 x 25H	φ305 x 35H
Single piece weight	g	36	155	160	260
Mold cavity	Cavity	2	1	1	1
Production cycle	sec.	12	14	14	17
Productivity (one day)	piece	14400	6171	6171	5082.352941
Machine model		250TWII + 1100 - D50	300TWII + 1440 - D60	300TWII + 1400 - D60	300TWII + 1400 - D6

PAINT BUCKET HANDLE TYPE		5L	10L	15L	20L
Size	mm	φ320 x 10 x 18.5	φ470 x 10 x 18.5	φ510 x 10 x 18.5	φ520 x 10 x 18.5
Single piece weight	g	10	13	16	18
Mold cavity	Cavity	4	4	4	4
Production cycle	sec.	12	14	14	14
Productivity (one day)	piece	28800	24686	24686	24686
Machine model		200TWII + 720 - D45	200TWII + 720 - D45	200TWII + 720 - D45	200TWII + 720 - D45

Machine Model		200TWII	250TWII	300TWII	420TWII	500TWII	600TWII
International code		2000H-720	2500H-1100	3000H-1400	4200H-2810	5000H-4350	6000H-8000
<b>INJECTION UNIT</b>	<b>Unit</b>						
Screw diameter	mm	45	50	60	80	90	110
Theoretical injection volume	cm <sup>3</sup>	398	530	848	1960	2863	4989
Injection pressure	kg/cm <sup>2</sup>	1801	2077	1653	1434	1521	1621
Injection rate	cm <sup>3</sup> /sec	188	218	339	648	795	1150
Shot weight in PP	gram	290	387	619	1431	2090	3642
Screw rotating speed	rpm	283	269	200	240	200	150
<b>CLAMPING UNIT</b>							
Distance between columns (H x V)	mm	530 x 460	580 x 510	630 x 550	760 x 660	850 x 700	950 x 800
Dimension of platens	mm	760 x 690	840 x 770	920 x 840	1090 x 990	1200 x 1050	1355 x 1205
Mold height max./min.	mm	550/150	600/200	650/200	750/250	750/250	900/300
Mold opening stroke	mm	550	600	650	750	850	1000
Clamping force	ton	200	250	300	420	500	600
Dia. of locating ring	mm	160	160	160	160	160	200
Ejector stroke	mm	150	150	150	200	200	200
Ejector force	ton	4.8	6.5	6.5	7.5	7.5	11
<b>GENERAL DATA</b>							
Heating zones	zone	5	5	6	8	9	11
Heating capacity	kW	12	15.1	19	30.6	36.6	52.8
Pump driving motor	kW	22	30	37.5	75	93.5	145
Oil tank capacity	L	300	450	600	850	1200	1800
Machine dimension(L x W x H)	m	5.7 x 1.54 x 1.9	6.35 x 1.62 x 2	6.9 x 1.75 x 2.1	8.3 x 1.8 x 2.1	9.5 x 1.95 x 2.1	11 x 2.15 x 2.1
Net weight	ton	8	10	12	20	25	35

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



[www.clf.com.tw](http://www.clf.com.tw)



# PAINT BUCKET

## PLASTIC INJECTION MOLDING MACHINE

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