

T-XXL Series

Large Plastic Injection Molding Machine

THE CLF INTELLIGENT MACHINE

T-XXL Series Large Plastic Injection Molding Machine

Extra Large and Extra Strong for Extra Performance

In today's competitive marketplace, quality and productivity are the cornerstones of creating long-term profitability. Over the years, CLF has been dedicated to the design and manufacture of injection molding machines that help our customers to stay competitive and create profits. The T-XXL series from CLF features extra large clamping force. The mold platens are optional design to resist heavy clamping force with minimum deformation. Extremely robust tie bars exhibit maximum toughness and maximum wear resistance. The machine is equipped with a newly designed toggle mechanism. The T-XXL series is equipped with a Japanese made micro-computer control for user-friendly operation.



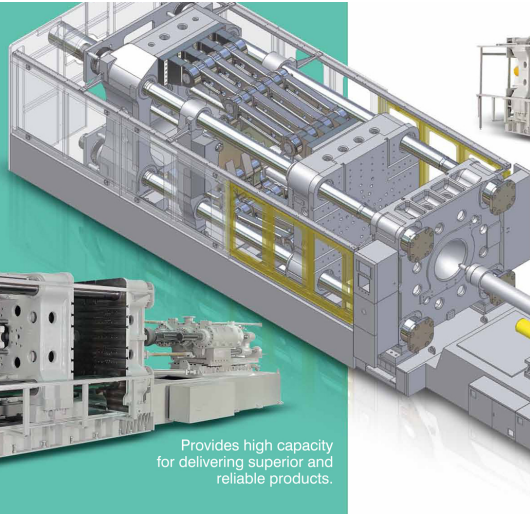
OUTSTANDING FEATURES:

- ▶ Optimum Design of Rigid Mold Platen. The optimized box-type mold platen is designed and analyzed by CAD/CAE and Finite Element Analysis (FEA) to assure minimum deformation, maximum toughness and excellent durability.
- ▶ Toggle Motion Analysis for the all new toggle clamping mechanism.
- ▶ Extremely Robust Tie Bars, Tie Bar Nuts, Maximum Wear Resistance and Toughness.
- ▶ High Pressure Resistant Toggle Bushing.
- ▶ Rigid Double Cylinder on Injection Mechanism for Powerful Injection.
- ▶ Japanese-made High Performance Micro-computer Control with Colored LCD Screen.
- ▶ High Plasticization, High Mixing Screw design.

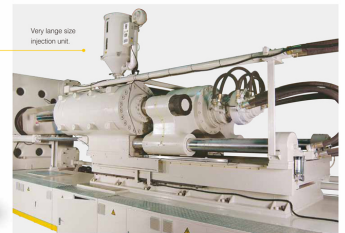
Exceptional Performance for Every Detail



Provides high capacity
for delivering superior and
reliable products.



High stiffness platen based on the optimum
condition of CAE analysis
Application of computer aid engineering and
design (CAE) analysis to design the platen
with box structure. It enhances low deforma-
tion, high strength, and stiffness characters.



Very large size
injection unit.



With ultra-high precision Japanese-made or domestic machine tools, such as Toshiba floor type jig boring machine and Kotobuki double column machining center, the critical parts such as mold platen are all machined in house. In addition, the hole accuracy of tie bar is also controlled in house to ensure the best running efficiency and product accuracy.





Technological Leadership Quality Priority
CLF Pursues Excellence and Everlasting Innovation



QUALITY IN THE DETAIL

CLF's machining shop is fully equipped with various sophisticated machining equipment, allowing us to machine critical parts in house. Our highly experienced machining technicians have outstanding knowledge for part characteristics. They always pay special attention to every detail during machining to ensure the critical parts achieve the highest geometrical accuracy. As a result, CLF injection molding machines are capable of exhibiting unmatched accuracy, performance and durability.



User-friendly Control...

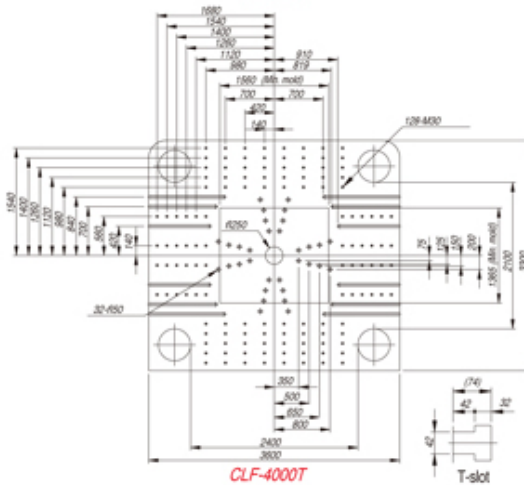
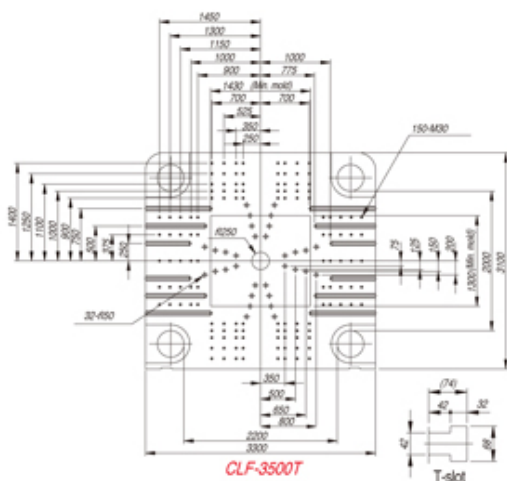
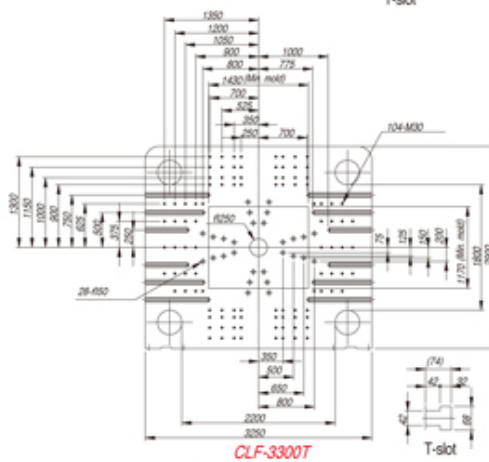
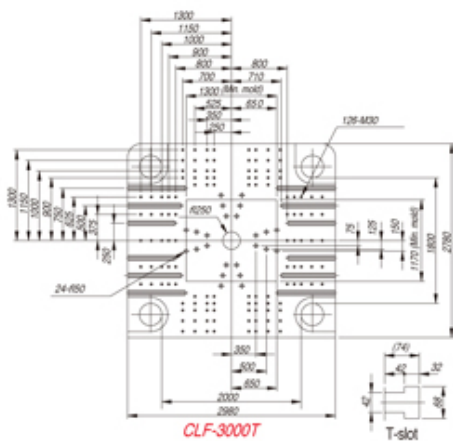
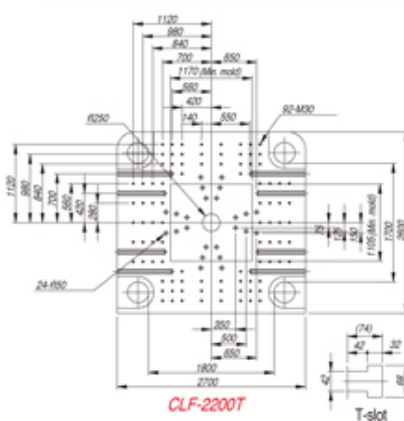
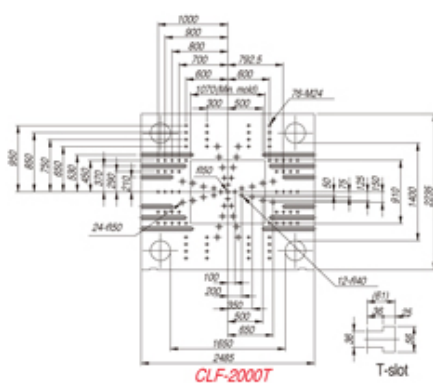
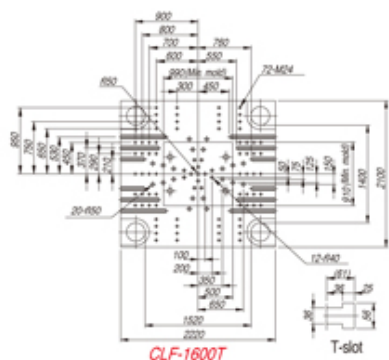
The Latest Control Is Easy To Learn And Operate



Controllers Imported from Japan

These Controllers feature a color, LCD display and will enable any operator to perform a multitude of functions. The controller features include 100 sets each of molding parameter setting, data change records and alarm message record, and 45 automatic production "real data" records. Please refer to the controller catalogues for more detailed description of their amazing functions.





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CLF Plastic Injection Molding Machines
Your No. 1 Choice for Any Injection Molding Application



MACHINE MODEL		CLF-1600T		CLF-2000T		CLF-2200T		CLF-3000T		CLF-3300T		CLF-3500T		CLF-4000T	
INTERNATIONAL CODE		16000H-11285		20000H-16000		22000H-16000		30000H-23950		33000H-39300		35000H-57660		40000H-93755	
INJECTION UNIT		UNIT													
Screw Diameter	mm	120	130	130	140	130	140	140	150	160	175	190	200	215	230
Theoretical Injection Volume	cm ³	6500	7628	8623	10000	8623	10000	12315	14137	22116	26458	32605	36128	48104	55050
Injection Pressure	kg/cm ²	1736	1479	1855	1600	1855	1600	1944	1694	1777	1485	1768	1596	1949	1703
Injection Rate	cm ³ /sec	915	1073	941	1092	941	1092	1046	1201	1407	1683	1927	2135	2431	2782
Shot Weight (PS)	gram	5915	6941	7846	9100	7846	9100	11206	12864	20125	24076	29711	32876	43774	50095
Screw Rotation	rpm	125		130		130		90		81		85		73	
Nozzle Radius	mm	15		15		15		15		15		15		15	
No. of Heating Zones	zone	12		12		12		12		12		13		15	
Heating Capacity	kw	53		75		75		85		91.5		140		202	
CLAMPING UNIT															
Distance Between Tie Bars (HxV)	mm	1520 x 1400		1650 x 1400		1800 x 1700		2000 x 1800		2200 x 1800		2200 x 2000		2400 x 2100	
Mold Platen	mm	2220 x 2100		2485 x 2235		2700 x 2600		2980 x 2780		3250 x 2900		3300 x 3100		3600 x 3300	
Mold Height	mm	500 - 1500		600 - 1600		700 - 1700		850 - 1850		850 - 2000		850 - 2000		1000-2150	
Die Opening Stroke	mm	1750		1700		1900		2000		2100		2300		2600	
Clamping Force	ton (kn)	1600 (16000)		2000 (20000)		2200 (22000)		3000 (30000)		3300 (33000)		3500 (35000)		4000 (40000)	
Dia. of Centering Ring	mm	150		150		250		250		250		250		250	
Ejector Stroke	mm	330		330		400		400		400		500		500	
Ejecting Force	ton (kn)	31.7(317)		31.7(317)		49.5(495)		75(750)		75(750)		75 (750)		75(750)	
GENERAL DATA															
Pump Driving Motor	hp (kw)	180 (135)		195 (145)		195 (145)		225 (168)		300 (224)		375 (280)		525 (392)	
Oil Tank Capacity	liter	2040		2800		2800		3000		4760		5400		7500	
Machine Size(L x W x H)	m	17.5 x 3.2 x 3		18 x 3.4 x 3.2		19 x 4.1 x 3.7		19.5 x 4.3 x 4		20 x 4.5 x 4.2		21.6 x 4.7 x 4.3		24 x 5 x 4.6	
Net Weight	ton	115		155		205		245		290		315		380	

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

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