



Chen Hsong SM-TP Advanced Series Molding Machines

The SM-TP Advanced Series Two Platen Servo Drive injection molding machine series is a revolutionary two-platen design. Designed by leading European and Japanese industry experts, it represents a unique combination of world-class, no compromise performance and characteristics. Numerous innovations protected by international patents give this machine a very good price-performance value. The SM-TP Advanced Series is the ultimate in reliability and flexibility at an unbelievable price!



Standard Features:

- Energy Saving Inovance Servo Pumps
- Powerful Beckhoff Controller
- 2 Core Pull Circuits, 2 Air Blow Circuits
- High Torque Screw Drive
- Eject on the Fly
- Multiple Ejector Control
- Precise Barrel and Nozzle Temperature Control
- Electrical, Mechanical and Hydraulic Safeties
- Water Flow Meters
- Spare Parts Kit— Heaters Bands, Leveling Pads, Filters and Mold Clamps
- CE Declaration
- Euromap Standards
- E67 Robot Interface
- 2-Year Limited Factory Warranty—Parts & Labor!
- 3-Year Limited Warranty on Frames & Castings

Available Options:

- Special Screw and Barrel Designs— High Mixing, Rigid PVC, PET, PMMA, Reinforced Nylon & more
- Injection units listed are standard, shot size from 69.4 to 3,742 ounces available
- Additional Core Pull and Air Blast Circuits
- Electric Screw Drive and Shut Off Nozzle
- Integrated Valve Gate & Hot Runner Controls
- High Heat Packages
- Apex 3-Axis Servo Robots (5-Axis Units available as well for 3-plate molds)



Technology Creates the Future

60 Years of Focus, Determined to Continue Innovating

SM 1650 TP Advanced Series

CLAMPING UNIT	Inches	mm	
Clamping Force (US-Tons)	1818.8		
Opening Stroke	66.92-98.42	1700-2500	
Platen Size	85.03x83.46	2160x2120	
Space Between Tie Bars	61.81x57.87	1570x1470	
Min-Max Mold Height	23.62-55.11	600-1400	
Max daylight	122.04	3100	
Mold Register Hole	12.4	315	
Ejector Force (US-Tons)	15.74	15.74	
Stroke	400	740	
STANDARD INJECTION UNIT		A1	A2
Screw Diameter	Inches	5.11	5.51
	mm	130	140
Screw L/D ratio	L/D	22	20.4
Shot volume	In ³	526.2	610.29
Shot size (PS)	Ounces	276.79	321.02
	Grams	7647	9101
Inj. Pressure (max)	PSI	26106	22480
Inj. Rate	In ³ /sec	69.32	80.36
Screw Stroke	Inches	25.59	
	mm	650	
Screw Rotation Speed (max)	RPM	100	
Nozzle Forward Force (max)	US-Tons	16.53	

POWER		
System Pressure	PSI	2538
Motor Power	KW (HP)	142.5 (193.7)
Electric Heating Power	KW	80
Temperature Control Zones		7+1

OTHER INFORMATION WITH STANDARD INJECTION UNIT		
Oil tank Capacity	Gallon	740
Machine Weight (Approx.)	Lbs	165346
Machine Dimensions (L*W*H)	Inches	484x149x130
	mm	12.3x3.8x3.3
Standard Injection Unit		A

***additional injection units with larger & smaller shot sizes available.

Chen Hsong is committed to continuous improvement.

Specifications are based on current standard models and are subject to change.