



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 4500 TP Advanced Series

CLAMPING UNIT	Inches	mm	
Clamping Force (US-Tons)	4960.4		
Opening Stroke	90.55-133.85	2300-3400	
Platen Size	129.92x123.22	3300x3130	
Space Between Tie Bars	95.67x82.67	2430x2100	
Min-Max Mold Height	43.3-86.61	1100-2200	
Max daylight	177.16	4500	
Mold Register Hole	12.4	315	
Ejector Force (US-Tons)	21.65	21.65	
Stroke	550	1955	
STANDARD INJECTION UNIT		E1	E2
Screw Diameter	Inches	8.85	9.84
	mm	225	250
Screw L/D ratio	L/D	22	19.8
Shot volume	In ³	3007.12	3712.56
Shot size (PS)	Ounces	1581.79	1952.83
	Grams	44843	55362
Inj. Pressure (max)	PSI	23206	18854
Inj. Rate	In ³ /sec	166.1	205.04
Screw Stroke	Inches	48.81	
	mm	1240	
Screw Rotation Speed (max)	RPM	60	
Nozzle Forward Force (max)	US-Tons	16.53	

POWER		
System Pressure	PSI	2538
Motor Power	KW (HP)	285 (387.5)
Electric Heating Power	KW	220
Temperature Control Zones		7+1

OTHER INFORMATION WITH STANDARD INJECTION UNIT		
Oil tank Capacity	Gallon	1955
Machine Weight (Approx.)	Lbs	462970
Machine Dimensions (L*W*H)	Inches	733x233x174
	mm	18.6x5.9x4.4
Standard Injection Unit		E

***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.