



**Chen Hsong SM-TP Advanced Series Molding Machine:**

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
- Euomap 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 1450 TP Advanced Series**

CLAMPING UNIT	Inches	mm	
Clamping Force (US-Tons)	1598.3		
Opening Stroke	64.96-96.45	1650-2450	
Platen Size	78.74x78.74	2000x2000	
Space Between Tie Bars	57.87x53.93	1470x1370	
Min-Max Mold Height	21.65-53.15	550-1350	
Max daylight	118.11	3000	
Mold Register Hole	9.84	250	
Ejector Force (US-Tons)	15.74	15.74	
Stroke	400	635	
STANDARD INJECTION UNIT		Q1	Q2
Screw Diameter	Inches	4.72	5.11
	mm	120	130
Screw L/D ratio	L/D	22	20.3
Shot volume	In <sup>3</sup>	413.86	485.75
Shot size (PS)	Ounces	217.71	255.52
	Grams	6172	7244
Inj. Pressure (max)	PSI	26686	22770
Inj. Rate	In <sup>3</sup> /sec	58.09	68.16
Screw Stroke	Inches	23.62	
	mm	600	
Screw Rotation Speed (max)	RPM	110	
Nozzle Forward Force (max)	US-Tons	16.53	

POWER		
System Pressure	PSI	2538
Motor Power	KW (HP)	124.5 (169.3)
Electric Heating Power	KW	70
Temperature Control Zones		7+1

OTHER INFORMATION WITH STANDARD INJECTION UNIT		
Oil tank Capacity	Gallon	635
Machine Weight (Approx.)	Lbs	138891
Machine Dimensions (L*W*H)	Inches	480x148x124
	mm	12.2x3.75x3.15
Standard Injection Unit		Q

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