



**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)

***SM 850 TP Advanced Series***

CLAMPING UNIT	Inches	mm	
Clamping Force (US-Tons)	937		
Opening Stroke	49.21-78.74	1250-2000	
Platen Size	66.14x66.14	1680x1680	
Space Between Tie Bars	46.06x46.06	1170x1170	
Min-Max Mold Height	17.71-47.24	450-1200	
Max daylight	96.45	2450	
Mold Register Hole	9.84	250	
Ejector Force (US-Tons)	11.81	11.81	
Stroke	300	457	
STANDARD INJECTION UNIT		K1	K2
Screw Diameter	Inches	3.54	3.85
	mm	90	98
Screw L/D ratio	L/D	22	20.2
Shot volume	In <sup>3</sup>	174.58	207.05
Shot size (PS)	Ounces	91.85	108.89
	Grams	2604	3087
Inj. Pressure (max)	PSI	26686	22480
Inj. Rate	In <sup>3</sup> /sec	39.66	47.04
Screw Stroke	Inches	17.71	
	mm	450	
Screw Rotation Speed (max)	RPM	140	
Nozzle Forward Force (max)	US-Tons	16.53	

POWER		
System Pressure	PSI	2538
Motor Power	KW (HP)	85 (115.5)
Electric Heating Power	KW	42
Temperature Control Zones		7+1

OTHER INFORMATION WITH STANDARD INJECTION UNIT		
Oil tank Capacity	Gallon	457
Machine Weight (Approx.)	Lbs	83775
Machine Dimensions (L*W*H)	Inches	382x122x107
	mm	9.7x3.1x2.7
Standard Injection Unit		K

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



Technology Creates the Future  
60 Years of Focus, Determined to Continue Innovating