



## 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 700 TP Advanced Series

CLAMPING UNIT	Inches	mm	
Clamping Force (US-Tons)	771.6		
Opening Stroke	47.24-74.80	1200-1900	
Platen Size	59.05x59.05	1500x1500	
Space Between Tie Bars	40.15x40.15	1020x1020	
Min-Max Mold Height	15.74-43.3	400-1100	
Max daylight	90.55	2300	
Mold Register Hole	9.84	250	
Ejector Force (US-Tons)	11.02	11.02	
Stroke	280	436	
STANDARD INJECTION UNIT		J1	J2
Screw Diameter	Inches	3.26	3.54
	mm	83	90
Screw L/D ratio	L/D	22	20.3
Shot volume	In <sup>3</sup>	131.99	155.18
Shot size (PS)	Ounces	69.42	81.62
	Grams	1968	2314
Inj. Pressure (max)	PSI	27122	23061
Inj. Rate	In <sup>3</sup> /sec	34.17	40.15
Screw Stroke	Inches	15.74	
	mm	400	
Screw Rotation Speed (max)	RPM	150	
Nozzle Forward Force (max)	US-Tons	16.53	

POWER		
System Pressure	PSI	2538
Motor Power	KW (HP)	75 (102)
Electric Heating Power	KW	38
Temperature Control Zones		7+1

### OTHER INFORMATION WITH STANDARD INJECTION UNIT

Oil tank Capacity	Gallon	436
Machine Weight (Approx.)	Lbs	61730
Machine Dimensions (L*W*H)	Inches	362x114x99
	mm	9.2x2.9x2.5
Standard Injection Unit		J

\*\*\*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.