

Automatic Muti Stations Thermoforming Machine

INTRODUCE

Website: <https://www.zhongsumachine.com/>

Xingbei Road, Doubei Village, Wanguan Town, Pingyang, Wenzhou, Zhejiang, China



Photo of the whole machine (for reference only)

1. Mechanical overview:

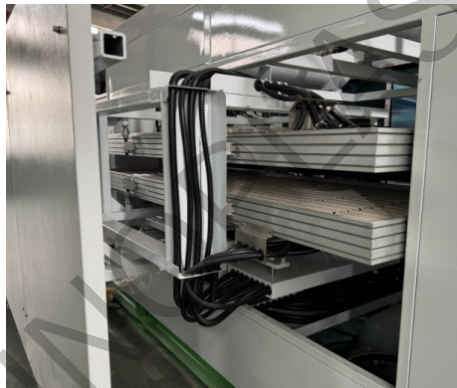
SP-780 Automatic Economical Pressure Thermoforming Machine with Forming-Hole Punching-Cutting-Stacking inline is mainly used for making different kind of plastic packages for food packing or industry packing, such as, box, trays, dishes, plates, bowls, lids, blister packagers and etc from PP/PS/EPS/PET/PVC and biodegradable thermofoamed plastic sheet foil.

2. Main Features:

1. SP-780 Automatic Economical Pressure Thermoforming Machine with Forming-Hole Punching-Cutting-Stacking inline is newly designed plastic thermoforming machine. It is widely used for plastic packagers manufacturing industry with fully automatic and big capacity production production.
2. This machine adopts servomotor for forming and cutting ,hole punching ,stacking&counting four station perfectly working as one unit. This automatic production line saves electricity consumption, labor cost, but with less money invests.
3. The pin chain guide could be moved upward and downward in order to make the clamshell products with turn-down lip.
4. The stacking unit is controlled by pneumatic system.
5. It adopts Siemens PLC control system, which makes the machine automatically working operation easily and convenient.

6. The main machine components adopt world famous branded parts, such as, Festo from Germany, MAC from USA, Siemens PLC from Germany, etc. These high quality machines parts ensures machine quality and long life working.

3.Show Details:



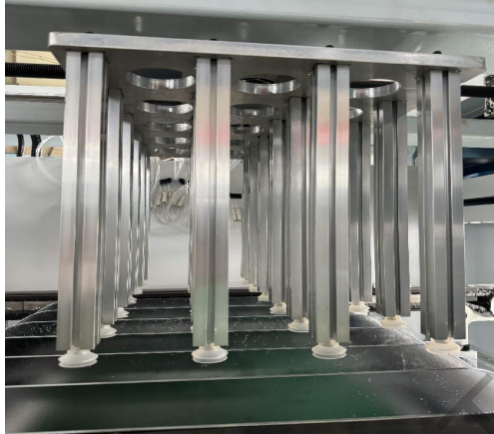
(Ceramic Heating Oven)



(Forming Station)



(Cutting And Punching Stations)



(Stacking Station)

4. Main Technical Parameter:

Model	SP-780A	SP-780B	SP-780C
Station Number	2	3	4
Max. Forming Area	780*520MM		
Max. Forming Depth	125MM(Product Depth)		
Suitable Material	PET, PP, PS, PVC, PLA, BIODEGRADABLE SHEET		
Sheet Width	400MM-780MM		
Material Thickness Range	0.15-2MM		
Max. Sheet Roll Dia.	1200MM		
Running Speed	15-35cycles/min		
Heating Power	128KW		
Forming Station Power	11KW Servomotor		
Hole Punching Station Power	NONE	NONE	11KW Servomotor

Cutting Station Power	NONE	11KW Servomotor	11KW Servomotor
Stacking Station Power	4KW Servomotor		
Sheet Feeding Method	4.4KW Servomotor		
Air Pressure	0.7Mpa		
Air Consumption	2500Liters/Min		
Cooling Water Consumption	13Liters/Min 15°C-20°C		
Power Voltage	380V,50Hz 3P		
Approx.Machine Dimension	10500*4550*3000(L*W*H)	11500*4550*3000(L*W*H)	13500*4550*3000(L*W*H)
Approx.Machine Weight	13000KG	17000KG	21000KG

Model	SP-680A	SP-680B
Station Number	3	4
Movement Method	Servomotor	Servomotor
Suitable Material	PET,PP,PS,PVC,PLA,BIODEGRADABLE SHEET	
Max.Forming Area	680*450MM	
Max.Forming Depth	80MM(Can be custom made)	
Sheet Width	700MM	
Max.Sheet Roll Dia.	1000MM	
Material Thickness Range	0.18-2MM	
Running Speed	35Cycles/min	
Air Consumption/Air Pressure	3m ³ /min, 0.6-0.8Mpa	
Total Power	122KW	137KW
Machine Dimension	L7300*W1840*H2380MM	L8650*W1840*H2380MM
Machine Weight	14T	18T
Power Voltage	AC380V/50Hz 三相四线 Three Phase Four Wires	

5. Product Application :



(Making disposable cake boxes)



(Making disposable egg trays)



(Making disposable fast food boxes)



(Making disposable cup lids)