

## *HW-680 PP Cup Thermoforming Cup Lid Bowl Machine*



### **Features:**

1. The main machine is a 4-lead column structure, the guide column material is made of 40Cr steel, and the outer layer is hard chrome-plated. The rigidity is good, the guiding performance is accurate, the wear resistance is good, and the service life of the die is cut. The die table opening and closing adopts hydraulic five-point opening. Clamping, high clamping accuracy.
2. Hydraulic system uses domestic oil pump, Taiwan imported solenoid valve.
3. Heater (upper furnace) length 2250/2500/2750/3200mm, (lower furnace) 1750/2250/2500/2950mm is divided into 7/16/18 area PID automatic temperature control adjustment, single-phase voltage regulator module without contact output, stable, high precision, temperature control error  $\leq \pm 1^{\circ}\text{C}$ . In the upper and lower 8 zones, the electric furnace mouth is moved forward in the direction of the mold to realize a seamless connection between the mold and the electric furnace. The upper part of the electric furnace and the mold connection can be adjusted to reduce the temperature difference between the front and rear of the product.
4. The heater adopts clay arc electric heating tile, which has high heat effect, energy saving, safety and reliability.
5. The feeding chain adopts a toothed double-row roller chain. The cooling water path inside the chain rail has high cooling efficiency and saves water source. The inner cover stainless steel plate and the guide rail are made of 40Cr quenching, the working surface has high hardness and long service life. The use time is 20,000 hours.
6. Low center of gravity design, low cup height, smooth running, in line with the human body standing and observation of the best height.
7. The gas control of the whole equipment (cylinder is domestic famous brand-Fangda) adopts Japanese and Taiwanese components, and the action is reliable, which makes the lifespan long.
8. The feeding power adopts frequency conversion motor and hard tooth surface Taiwan brand speed reducer, with high control precision, accurate positioning and quick start and stop response.
9. Using Omron PLC.EV touch screen man-machine interface, the operation is more convenient.

10. The back end is equipped with a corner winding mechanism, the maximum winding diameter is 1000mm, and the roll change is convenient.

### Main Specifications

1. Feeding sheet length deviation  $\leq \pm 1.5\text{mm}$ ;
2. The heating electric furnace adopts clay arc electric heating tile with temperature deviation  $< \pm 1^\circ\text{C}$ ;
3. Dynamic table level error  $\leq 0.3\text{mm}(-)/1000\text{mm}$ ;
4. The parallelism error between the movable table and the upper die table is  $\leq 0.03\text{mm}/1000\text{mm}$ ;
5. The vertical error between the column and the movable table is  $\leq 0.04\text{mm}$ ;
6. The bearing of the column and the movable die table is matched with a clearance of  $+0.02\text{mm} \sim +0.04\text{mm}$ .
7. The maximum punching force is 45 tons.

### Technical Parameters:

Model	HW-680
Suitable material	PP、PS、PET、PVC、ABS、PLA(biodegradable material) etc
Sheet thickness	0.3-2.0mm
Sheet width	680mm
Max. forming area	680*350mm
Max. forming depth	$\leq 140\text{mm}$
Capacity	$\leq 30\text{shots/minute}$
Heating power	70kw
Main motor power	7.5kw
Sheet feeding power	2.2kw
Power supply	380V/50HZ
Air pressure	0.6-0.8Mpa
Air consumption	3200~4000 L/min
Water consumption	40-45L/min
Dimensions(mm)	3500*1600*2300
Weight	4500kg