



## *Automatic PET Bottle Blowing Machine ET-A series*



This Full automatic blow molding machine is suitable for producing PET plastic containers and bottles in all shapes. It is widely used to produce the carbonated bottle, mineral water, pesticide bottle oil bottle cosmetics, wide-mouth bottle and hot fill bottle etc.

### **Features of main body:**

- Stable performance with advanced PLC
- Automatic preform conveyer to save human cost
- Preform self-rotation and infrared pre-heater revolution assure the even distribution of heat, which improve the bottle shaping rate, increase the production.
- Evertop water bottle making machine with high adjusting performance to enable preheat the preforms perfectly by adjust the voltage control area in the PLC, which could adjust the temperature of the infrared lights in the pre-heater, and keep the proper temperature and humidity invariable.
- High safeties with security automatic-locking device in each mechanical action, which will make the production into a perfect safe environment, in case of the breakdown in certain procedure

### **Advantages:**

- PET bottle manufacturing machine introduces the air cylinder to avoid contamination and noise.
- Satisfaction with different atmospheric pressure for blowing and mechanical action by dividing the blowing and action into three parts in the air pressure diagram of the machine

- Strong clamping force with high pressure and double crank links to lock the mould
- PET blow moulding machine are two ways of operating: automatic and manual.
- Safe, reliable and unique design of the position of valve to make the pneumatic diagram in the machine easier to understand
- Low cost, high efficiency, easy operation and maintenance etc., profited from the fully automatic technological process.
- Ideal cooling system makes the finished bottles without any flaws.
- Easy for you to install, test and start up.
- Low rejection rate: less than 0.2 percent.
- Customization is acceptable, pls feel free to let us know your special requests.

### Technical parameters:

Model	ITEM	ET-A1(2L)	ET-A1(5L)	ET-B2 (5L)	ET-C3 (1.5L)
Productivity	Depend on bottle design	800-1200	500-800	800-1000	1800-2500
(Pcs/Hour)					
Product type	volume	0.1-2L	2-5L	≤5L	≤1.5L
	Body diameter	≤100mm	≤175mm	≤175mm	≤100mm
	Height	≤330mm	≤330mm	≤330mm	≤305mm
	Neck diameter	≤30mm	≤45mm	40mm-45mm	28mm-30mm
Mould	Cavity	1	1	2	3
	Mold thickness	240mm	260mm	260mm	240mm
	Mold size	300*240*380	300*260*380	480*260*380	450*240*360
	(mm)				
Main machine power	Electrical source power	380V/220V/415V/440V 50/60HZ 3Phases			
	Power	25kw	25kw	33kw	25kw
	Really use power	7kw	10kw	13kw	9.5kw
Air system	HP air compressor	1.6m3/min 3.0Mpa	1.6m3/min 3.0Mpa	4.0m3/min 3.0Mpa	2.0m3/min 3.0Mpa
	LP air compressor	/	1.0m3/min 1.0Mpa	1.6m3/min 1.0Mpa	/
	Air Tank	/	0.6m3 3.0Mpa	1.0m3 3.0Mpa	1.0m3 3.0Mpa
	Air dryer	1.0m3/min 3.0Mpa	2.0m3/min 3.0Mpa	4.0m3/min 3.0Mpa	2.0m3/min 3.0Mpa
Cooling water	Air Chiller	3HP	3HP	3HP	3HP
Machine	Size(L*W*H)	1.5*1.2*1.8m	2.0*1.2*1.8m	2.5*1.5*1.8m	2.0*1.3*1.8m
	Weight	1500kg	1800kg	2200kg	1800kg
Preform unscrambler	Size(L*W*H)	2.0*0.95*2.48m			
	Weight	250kg			

Model	ITEM	ET-A2 (2L)	ET-A4 (2L)	ET-A6 (2L)
Productivity	Depend on bottle design	1800-2000	3200-4000	5500-6000
(Pcs/Hour)				
Product type	volume	≤2L	≤2L	≤2L
	Body diameter	≤100mm	≤100mm	≤100mm
	Height	≤310mm	≤310mm	≤325mm
	Neck diameter	≤38mm	≤38mm	≤38mm
Mould	Cavity	2	4	6
	Mold thickness	240mm	240mm	240mm
	Mold size	260*240*370	510*240*360	650*240*360
	(mm)			

Main machine power	Electrical source power	380V/220V/415V/440V 50/60HZ 3Phases		
	Power	25kw	49kw	56kw
	Really use power	6.5kw	13kw	24kw
Air system	HP air compressor	1.4m3/min 3.0Mpa	2.4m3/min 3.0Mpa	4.8m3/min 3.0Mpa
	LP air compressor	1.0 m3/min 1.0Mpa	1.6 m3/min 1.0Mpa	2.0m3/min 1.0Mpa
	Air Tank	0.6m3 3.0Mpa	0.6m3 3.0Mpa	1.0m3 3.0Mpa
	Air dryer	1.0m3/min 3.0Mpa	2.0m3/min 3.0Mpa	5.0m3/min 3.0Mpa
Cooling water	Air Chiller	3HP	3HP	5HP
Machine	Size(L*W*H)	1.9*1.28*1.93m	3.5*1.9*2.1m	4.5*1.95*2.1m
	Weight	2000kg	3000kg	4800kg
Preform unscrambler	Size(L*W*H)	2.0*0.95*2.48m		
	Weight	250kg		