



High Speed PET Stretch Blow Molding Machine AL-TP5



AL-TP series is a two-step high speed Bottle Blowing Machine with full servo motor drive (clamping servo, stretching servo, transfer preform servo, separating preform servo). Also with the advantage of fast speed, converse energy, pressure air recycle, less floor space. This Pet Blow Moulding Machine Suitable for mineral water bottle, gas bottle, juice bottle, oil bottle, medical bottle and so on. It has 4/5/6cavity, the production from 6000-9000pcs/hr. Same machine size and structure for different bottle scale volume.

Feature:

Feeding system

- Continous and high speed preform feeding system.
- Multiple protection device for precise preform feeding.

Transfer and heating system

- Horizontal rotation transfer system to eliminate preform flipping.
- Compact preform-chain base design for efficient heating and reduce energy consumption
- Optimized exhausting and preform surface cooling system.
- Infrared heat sensor for preform temperature monitoring
- Heating tunnel can inverse when changing the lamps

Transfer and taking preform system

- Servo motor drive preform transfer system for quick transfer and precise preform locating.

Blowing and clamping system

- Servo motor drive system with synchronized base blow mold for fast response operation.
- Precision electromagnetic valves for fast responding time and high production.

Control system

- Touch panel control system for simple operation.
- 10 inch touch screen with 64K colors.

Others

- All electric mechanism to ensure high-speed operation and precise locating.
- With quick mould change design.
- Low energy consumption, low wear, low pollution.

Technical Paramater

Model		UNIT	AL-TP5	AL-TP5N
CONTAINER	Number of Cavity	PCS	5	5
	Max. Capacity	L	1.5	1.5
	Max. Neck Diameter	mm	30	38
	Max. Body Diameter	mm	95	95
	Max. Bottle Height	mm	350	350
	Theoretical Output	B.P.H	8000	8000
MOLDING	Spindle Chain Pitch	mm	38.1	50.8
	Cavity Pitch	mm	105	105
ELECTRICAL	Max. Heating Power	KW	40	40
	Servo Motor Power	KW	9.75	9.75
	Other Motor Power	KW	4.21	4.21
	Total Power	KW	54	54
	Voltage Frequency	V/HZ	380V+/-10% 50HZ/220V+/-10% 60HZ	
AIR SYSTEM	Blowing Pressure	Bar	35	35
	High Pressure consuming	L/Min	8500	8500
WATER CHILLER	Pressure	Mpa	3-5	3-5
	Temperature Range	°C	10-12	10-12
	Flow Rate	L/Min	50	50
	Cooling capacity	HP	5	5
MACHINE DIMENSION	Size(L*W*H)	M	4*1.3*2.3	4*1.3*2.3
	Weight	KG	4300	4300