



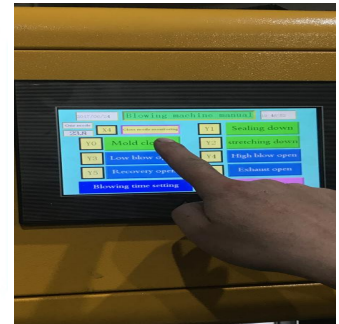
5 GALLON STRETCH BLOW MOLDING MACHINE

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5 Gallon Stretch Blow Molding Machine



Features

1. Special design for PET Gallon Bottles up to 6 Gallon.
2. Will produce wide mouth bottles up to 25 liters with neck size up to 200mm.
3. Uses infrared reheat units to achieve uniform heating throughout the wall of preform.
4. Adopts special designed preform heating system to ensure the optimal heating effect for 740g thick-preform.
5. Special designed fan-cooling system in the heating channels to keep the oven with constant temperature and ensure the preform can be heated completely.
6. Water cooling system ensures the quality of preform neck.
7. Up to 90 bottles/hour using one-cavity mold for 5-gallon bottle.
8. Use advanced PLC control system with counting function and time-control precision to 0.01 seconds and a user-friendly panel, touch screen, and control of oven internal preform heater
9. Equipped with specially designed air storage units.
10. Simple installation and startup adjustments.
11. Flexible to preform changes using stainless steel inter changeable holders
12. Equipment has the capacity to adjust height of oven lamps, and preform level

Technical Parameters

Model	Item	Unit	MW-CP-90
Container	Product material	/	PET/PC/PE
	Container volume	L	5-6 (2-cavity) 10-25 (1-cavity)
	Theoretic output	Pcs/hr	5gallon: 90 5L: 400
	Preform inner diameter	mm	15-200
Molding	Max mold plate dimension (LxW)	mm	420x500
	Max mold thickness	mm	400
	Clamping force	KN	100
	Mold opening stroke	mm	330
Air Compressor	High pressure compressor	m3/Mpa KW	≥0.60/3.0
	Air pressure for blowing	Mpa	2.0-3.0
	Low pressure compressor	m3/Mpa KW	≥0.8/1.25 7.5
Main Machine Electricity	Power	M	15
	Voltage/frequency	V/Hz	380-240-110/50-60 (3phase)
Machine Size and Weight	Main machine	M	1.55x0.82x2.00
	Main machine weight	T	1
	Heater (LxWxH)	M	2.42x0.65x1.60
	Heater weight	T	0.38
	High pressure compressor (LxWxH)	M	1.90x0.75x1.50
	Air filter	Kg	10x2pcs
Safety	Auto emergency alarm	Safety inter-locking device	

MW-10 Series Single Cavity Automatic Blower 100 ml to 1800 ml

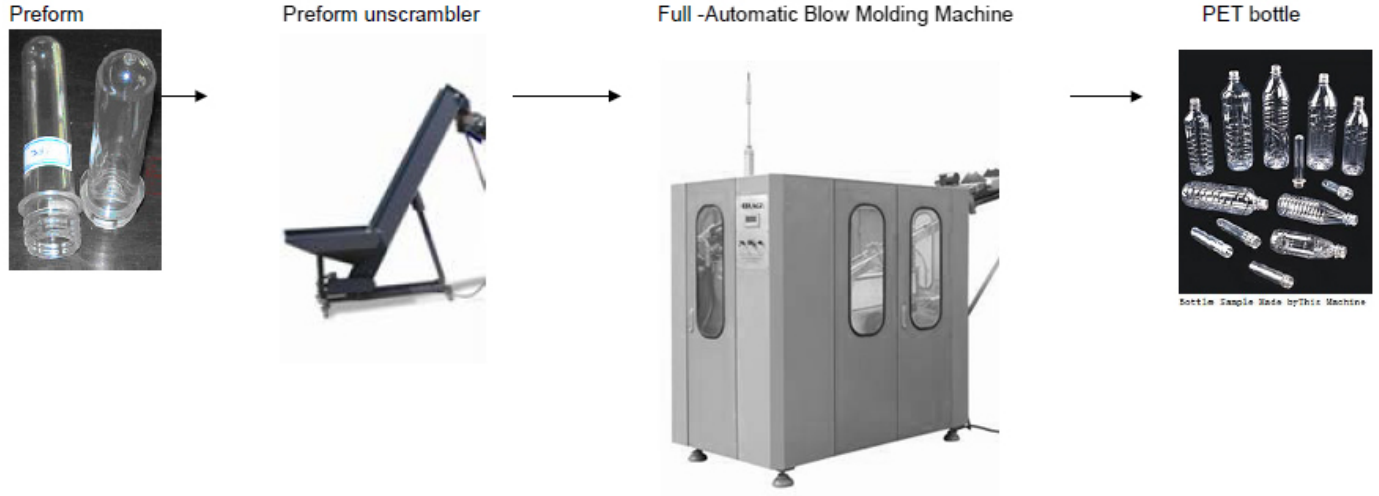
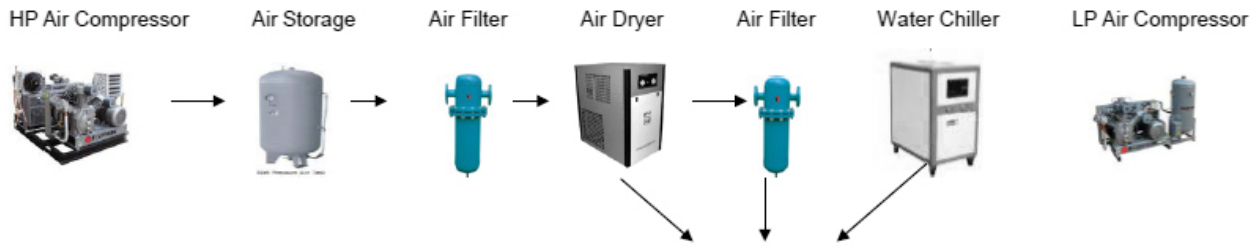


Description

We designed the drawing for the preform mold and bottle mold in coordination with clients needs. Also included is embossed design on the mold. We install the equipment according to US standards, and norms.

Auxiliary equipment included:

1. Air compressor is the air source for PET stretch blow molding machine, carrying out the process of compressing air from atmospheric to the required pressure
2. Air dryer is to remove the moisture from the compressed air and lower temperature of the compressed air in the heat exchanger
3. Air filter is to clear up the impurities out of the compressed air, like carbon-hydrogen, tiny dust and solid particles.
4. Air tank is to receive and supply air for the machine as storage.



Technical Parameters

Main Part		
Pneumatic Part	Valve	SMC
	Cylinder	SMC
Electric Part	PLC	LG
	Relay	OMIRON
Note	All of the electrical components adopts CE, UL, CCC approved international advanced high-tech product.	
Main Parameter		
Model	CM-A1	
Productivity	Depend on bottle design	6000~1,000CS/H
Product type	Body Diameter	≤100mm
	Volume	≤2L
	Neck Diameter	≤30mm
mold	mold thickness	240mm
	mold size	250x240x360mm
Main machine power	Electrical source power	380v/220v 50/60Hz
	Power	25kw
	Really use power	7kw
Air System	HP air compressor (with a tank)	1.6m3/min 3.0MPa
	Air tank	0.6m3 3.0MPa
	Air Dryer (inside 2 air filters)	2.0m3/min 3.0MPa
Cooling	3 HP Water Chiller (Water chiller is used to cool the machine and blow mold)	
Machine size and weight	Main machine dimension (LxWxH)	1,500x1,200x1,800mm
	Pre-form Unscramble (LxWxH)	2,000x950x2,480mm
	Main machine weight	1,500kg
	Pre-form Unscramble	250kg
Resin Available	/	PET

Air Cooling Dryer

Air compressor	Unit	1.6M ³ /min 30KG
Volume	M ³	1.6
Pressure	Kg	30
Speed	r/min	850
Power	KW	18.5
Tank	M ³	0.3
Overall Dimension	mm	1,810x754x1,482
Weight	Kg	695




Air Storage Tank

Air storage tank	Unit	1.6M ³ /min 30KG
Volume	M ³	1.6
Pressure	Kg	30
Speed	R/min	850
Power	KW	18.5
Tank	M ³	0.3
Overall Dimension	mm	1,810x754x1,482
Weight	kg	695



Water Chiller

Model		3HP
4.4/38°C Cooling capacity (Kcal/h)		7,580
Compressor		All-closed vorticity
Compressor power (KW)		2.5
Refrigerant		R22
Chilled water pump power (KW)		0.75
10°C Max. Flow rate of chilled water (L/min)		55
Flow water inlet and outlet pipe		1"
Condensing water rate L/min		≥36
Chilled water inlet and outlet pipe		1"
Exterior dimension	Length (mm)	850
	Width (mm)	560
	Height (mm)	870
Water tank capacity	L	38
Weight	Kg	180



Settings

1. PLC display: LG(Korea) or Mitsubishi (Japan)
2. Pneumatic and valve parts: SMC (Japan)
3. Operating system: LG (KOREA)
4. Relay: OMRON (Germany)
5. Infrared thermometer: RAYTEK (USA)
6. Neumatics Festo (USA)

Machine Features

1. Reasonable design, full automatically control, save power and labor.
2. Feeding system carries the preforms by robot arms automatically.
3. Infrared oven heater adopts the quartz lamp to heat the PET tube.
4. Fully automatic process with low investment, high efficiency, quick and safe for operation, easy for maintenance.
5. We have perfect service after sales.
6. Adopting high quality components.

Configurations

Items	Brand	Origin
Air-break switch	Mitsubishi	Japan
Air-break switch contactor	Siemens	USA
Minitype breaker	Siemens	USA
relay	OMRON	Germany
Thermal overload reply	Zhengtai	China
Option switch	Schneider	France
Green directive button	Schneider	USA
Emergency stop switch	Schneider	USA
Normally open contact	Schneider	USA
Normally closed contact	Schneider	USA
Photoelectric switch	OMRON	Germany
Travel switch	OMRON	Germany
Proximity switch	OMRON	Germany
Photoelectric switch	OMRON	Germany
transducer	FULIN	China
Touch screen	LG	Korea
PLC	LG	Korea