

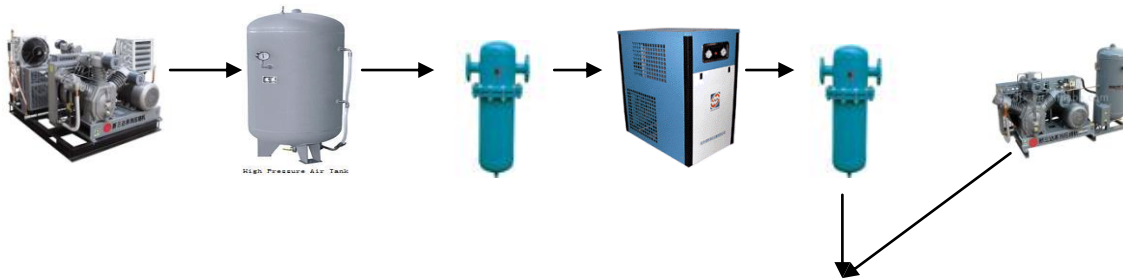
Project name: CM-A4 Four Cavity Automatic Blow Molding Machine



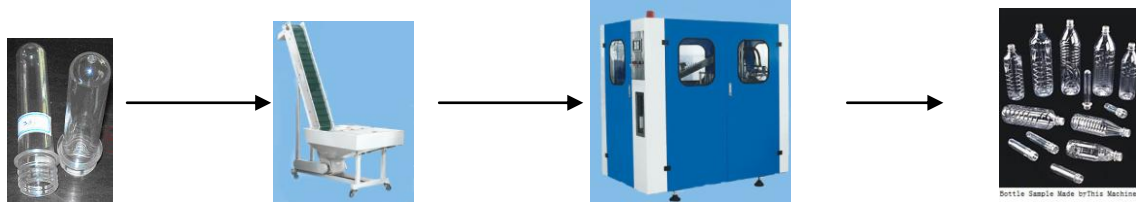
CM-A4 Automatic Blow Molding Machine

CM-A4

HP Air Compressor Air Storage tank Front Air Filter Air Dryer Air Filter LP Air Compressor



Preform Preform unscrambler Full -Automatic Blow Molding Machine PET bottle



CE Certification

ISO9001:2000

I. Engineering item:

1. Capacity: 3200-4000pcs/hr (based on 500ml) Max volume of product: 2 liter

II. Equipment and price list:

ITEMS	NAME	MODEL	QUANTITY	UNIT PRICE
1	Automatic Blow Molding Machine	CM-A4	1set	31,800
2	High Pressure Air Compressor Unit	2.0 m ³ /min 30Kg	1set	4,418
3	Low Pressure Air Compressor	1.6 m ³ /mim 10Kg	1set	2,695
4	Air Dryer	2.0 m ³ /min 30Kg	1set	1,896
5	Air Tank	0.6m ³ 30Kg	1set	1,508
6	Mould Chiller	5HP	1set	1,896
7	Blow Mold	250ml	1set	1,350
8	Blow Mold	750ml	1set	1,460
9	Blow Mold	1000ml	1set	1,896
10	Blow Mold	1500ml	1set	2,139
11	Blow mold	2000ml	1set	2,802
Total: FOB Shanghai, China:				

III Description:

Technique Parameter of blow molding machine:

Main part:		
Pneumatic part	Valve	SMC
	Cylinder	
Electric part	PLC	LG
	Operating system	LG
	Relay	OMRON
	Infrared thermometer	America raytek

Note	All of the electrical components adopts CE、UL、CCC approved international advanced high-tech product.	
Main parameter:		
Model	CM-A4	
Productivity	Depend on bottle design	3200-4000PCS/H
Product type	Body diameter	20mm-100mm
	Height	50mm-350mm
	Neck diameter	15mm-38mm
Mold	Cavity	4cavities
	Mold thick	240mm
	Mold	500*500mm
Main machine power	Electrical source power	380v 3Phase /220v 3Phase 50/60HZ
	Rated Power	49kw
	Really use power	14kw
Air source	LP air compressor	1.6m3/min 1.0MPa 1set (15KW)
	HP air compressor	1.0m3/min 3.0MPa 2sets (each set 11KW)
	Air dryer	2.0m3/min 3.0MPa 1set
Cooling water	Cooling water	15L/min
Size	L*W*H	1908*1858*1920mm
	Weight	3600kg
Auxiliary equipment (preform unscrambler)	L*W*H	276*106*186mm
	Weight	250kg
Resin available		PET

HP and LP air compressor:



Air compressor	Unit	2.0M ³ /30KG	1.6M ³ /10KG
Volume	M ³	2.0	1.6
Pressure	Kg	30	10
Speed	r/min	600	960
Power	KW	2*11	15
Overall Dimension	mm	2*(2200*960*1500)	1700*760*1440
Weight	kg	3*600	505

Mold Chiller:



Model	05WCI	
4.4/38°C Cooling capacity(Kcal/h)	13500	
Compressor	All-closed vorticity	
Compressor power (KW)	4.4	
Refrigerant	R22	
Chilled water pump power(KW)	0.75	
10°C Max. flow rate of chilled water(L/min)	120	
Flow water inlet and outlet pipe	1"	
Condensing water rate L/min	≥60	
Chilled water inlet and outlet pipe	1"	
Exterior dimension	Length(mm)	850
	Width(mm)	560
	Height(mm)	1040
Water tank capacity	L	70
Weight	Kg	220

Air Cooling Drier:

Jackson Tsebe
Mathale Solutions
Tel: 011 24 1120
Cell: 083 519 3867/ 072 846 8549
Email:mathalesolutions@telkomsa.net



Refrigeration Air Dryer	Unit	2.0M ³ /3.0Mpa
Flow capacity	Nm ³ /min	2.0
W.P	Mpa	3.0
Inlet Temp.	°C	≤80
Dew point	°C	23
Ambient Temp.	°C	≤38
Power supply	V/HZ	220/50
Compressor power	Kw	0.5
Cold Medium		R22
Weight	Kg	180

Air Filter:



Refining-Filter	Unit	2.0N M ³ /30Kg
Flow Capacity	NM ³ /Min	2
Max. work pressure	Mpa	3.0
Inlet Temp.	°C	≤50

Air Storage Tank:



Air storage tank	Unit	0.6M ³ /3.0Mpa
Volume	M ³	0.6
Pressure designed	Mpa	3.3
Temp. designed	°C	100
Work pressure	Mpa	3.0
Test pressure	Mpa	4.13
Weight	Kg	300
Overall Dimension	mm	1700*700*2100

Trait:

CM-A4 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:

- 1). Stable performance with advanced PLC.
- 2). Automatic preform conveyer to save human cost.
- 3). Preform self-rotation and infrared pre-heater revolution assure the even distribution of heat, which improve the bottle shaping rate, increase the production.
- 4). 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.
- 5). 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.
- 6). Introduce the FESTO air cylinder to avoid contamination and noise.
- 7). 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.
- 8). Strong clamping force with high pressure and double crank links to lock the mould.
- 9). Two ways of operating: automatic and manual.
- 10). Safe、reliable and unique design of the position of valve to make the pneumatic diagram in the machine easier to understand.
- 11). Low cost、high efficiency、easy operation and maintenance etc, profited from the fully automatic technological process.

- 12). Ideal cooling system make the finished bottles without any flaws.
- 13). Easy for you to install、 test and start up.
- 14). Low rejection rate: less than 0.2 percent.

IV .Service:

Provide whole drawing for the perform mould and bottle mould. Free charge for word design on the mould. We can help you install the machine; from setting machine, testing, and to check the machine is on the good working condition. There is a litter charge, only for flight charge and accommodation.

V.Delivery time:

45 days upon deposit and approval to the bottle drawing.

VI. Payment:

For machine: 50% T/T deposit within five days after the contract is signed against invoice of the seller. The balance of 50% will be paid before shipment.

VII. Guarantee:

We response for one year warranty for the machine, however, it without any human conduct. And provide one-year free spare part for client. And send engineer to client's company, help install the machine, teaching their staff operate the machine and also, we do have a private school which help our client sending their staff to china, help them training.

VIII. After sales service:

The buyer pays travel expenses; hotels, airfares, meals and ground transportation and any other expenses related to installation and training at customers facility.

IX .Attached:

Functions of auxiliary equipments:

- (1) Air compressor is the air source for PET stretch blow molding machine, carrying out the process of compressing air from atmosphere 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.