Complete Line



For Our clients in Libya

6,000BPH (500ml) PET-bottled, Water Production Line Project Proposal

I. Price List as below:

No.	Description	Model No.	Quantity	Unit	Unit Price (USD)	Total Amount (USD)	Remark
	PET Blowing Machine for 0.1-2L, 6000BPH						
1	Blowing machine	YD-5000	1.00	Set	63500.00	63500.00	4-cavity
2	Preform feeder	(6000BPH)	1.00	Set	03300.00	03300.00	4-Cavity
	Auxiliary Machine For YD-5000		927				
1	High Air Compressor	3.6/30	1.00	Set	8500.00	8500.00	3.6m3/3.0Mpa
2	Low Air Compressor	1.6/10	1.00	Set	3600.00	3600.00	1.6m3/1.0Mpa
3	Air Tank	0.6/30	1.00	Set	2400.00	2400.00	0.6m3/3.0Mpa
4	HP Air Cooling Dryer	3.0/30	1.00	Set	3600.00	3600.00	3.0m3/3.0Mpa
5	Air filter	3.0/30	1.00	Set	1500.00	1500.00	3.0m3/3.0Mpa
6	Water Chiller	5HP	1.00	Set	2400.00	2400.00	5HP
7	Connector & pipes	Standard	1.00	Set	0.00	0.00	
8	Spare Parts	Standard	1.00	Set	0.00	0.00	
	Bottle Blowing Mould For YD-5000	M5	178,4		W -/C		
1	250ml PET bottle		1.00	Set	2500.00	2500.00	4-cavity
2	500ml PET bottle		1.00	Set	2500.00	2500.00	
3	1000ml PET bottle	No.	1.00	Set	3600.00	3600.00	
4	2000ml PET bottle	100	1.00	Set	3600.00	3600.00	
	Water treatment system 3T/H	100		12			
1	Raw water tank	5T/H	1.00	Set	5300.00	5300.00	SUS304,Can buy from local
2	Water Pump	6T/H	1.00	Set	600.00	600.00	Nanfang pump
3	Multi-medium filter	6T/H	1.00	Set	2600.00	2600.00	SUS304 include filter material
4	Active carbon filter	6T/H	1.00	Set	2400.00	2400.00	SUS304 include filter material
5	Sodium-iron exchange	6T/H	1.00	Set	2600.00	2600.00	SUS304 include filter material
6	Precision filter	6T/H	1.00	Set	1000.00	1000.00	SUS304
7	R/O	3T/H	1.00	Set	8800.00	8800.00	SUS304
8	Ozone generator	OF-15	1.00	Set	2250.00	2250.00	
9	Pure water storage tank	3T/H	1.00	Set	4650.00	4650.00	SUS304,Can buy from local
10	connection pipe, valve		1.00	Set	1600.00	1600.00	UPVC



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	Filling and packing system						
1	Air convey	2M	1.00	Set			Include air motor
2	water washing filling capping 3 in1 machine	CGF18-18-6	1.00	Set	28600.00	28600.00	Lubricating system Waterproof system PLC control
3	Bottle output conveyor	2M	1.00	Set]		
4	light check	DJ-A	1.00	Set	1		
5	Bottle cap cleaning system	ZXSJ-3	1.00	Set	8000.00	8000.00	
6	Automatic sleeve labeling Machine	TB-150	1.00	Set	16750.00	16750.00	kicketing shirik turnel and steam generator
7	Inkjet coding machine		1.00	Set	8400.00	8400.00	
8	Drying machine	CGJ-1	1.00	Set	3360.00	3360.00	
9	Automatic shrink wrapping machine	WD-150A	1.00	Set	12900.00	12900.00	
10	convey system	SS-1	1.00	Set	7900.00	7900.00	Finally based on client's workshop
		V da			Freight	0.00	
		1	er care	11	Insurance	0.00	
		1200			Total Amount EXW	215410.00	

Payment Terms	50% TT in advance as deposit and balance paid before delivery
Production Period	50 working days after received payment; We will invite customers to check the machines before shipping. When the machines run smoothly and the buyer agrees, we will arrange the plan for shipment.
Service Term	1. Installation and adjustment: We will teach the buyer's technical engineers. And if the buyer need our engineers go to his factory for installing and teaching, buyer pay the visa fee, air tickets, and accommodation, salary (100USD/DAY). 2. After sales service: 1) The manufacturer will offer the technical service for buyers. 2) The manufacturer will offer the spare parts at reasonable price for life time. 3) If the machines find any quality problem, the manufacturer should be in charge to solve the problem. 4) The manufacturer should offer the buyer solve the product techniques, operation help. 5) We normally guarantee machines' quality for two years about the key components. And service for life long time. If key components of machine are broken for technical reason, we will replace them with new ones free.

Pure Water Production Line



Technical database:

1、Rated capacity: 600ML 6000B/H

330ML 7000B/H 200ML 7000B/H

2、Filling material: Pure water

3. Filling type: Gravity filling normal temperature

4. Filling container type: 200ML~2000ML

PET bottle; Max diameter 96,

Max height 310mm (special order could design)

5、Filling type: Neck-hold conveyor

6、Cap: Standard HDPE screw cap, diameter 30/28mm

7、Filling temperature: Normal temperature

8. Label: PVC sleeve label

9、Package: 4x6 film package (500ML)

10. Conveyor mode:

Empty bottle: Air conveyor Full bottle: Conveyor belt

11. Condition: temperature: $10{\sim}40{\,}^{\circ}{\rm C}$

Humidity: no dew (≤95%)

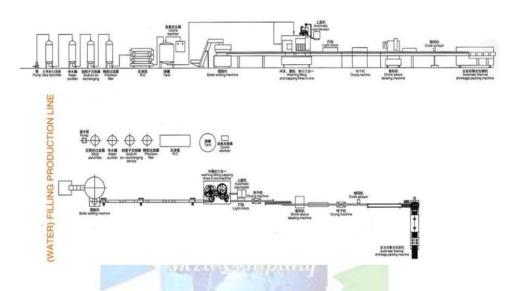
12、Resource power: 380V, 50Hz, three phase

13、Efficiency: >95%



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Technical process:

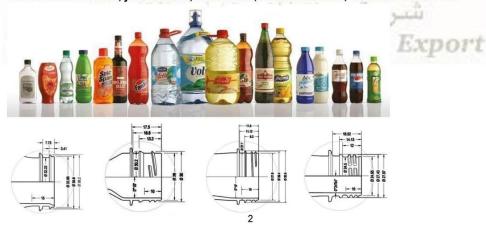


Detail description and parameter

INTRODUCTION FOR BLOW MACHINE

PET BOTTLES

This equipment can produce different types of food, cooking oil bottles, carbonated drink, mineral water bottles, juice bottles, wine bottle, tennis balls can, cosmetic bottles etc.





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FLOW RATE



TECHNICAL DATA

General InformationYD-5000Clamping Force480KNClamping Stroke125MM

Max. Stretching Stroke 370MM
Bottom Moving Stroke 60MM

Number of Cavities 4 Cavity

Theoretical Output 5000BPH(500ml)

Max. Mould Thickness 300MM

Electrical System

Voltage Standard 380v/3PH/50Hz or special order

Number of Heating Zone 4 Sections Total Power (Full Loaded) 15KW

Container

Max. Container Volume2000MLNeck Diameter Range38-50mmMax. Container Diameter360mm



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BOTTLES EJECTING

After blowing, robot hand will take finished bottles automatically and test bottles, if bottles not well automatically knick out.

This ensures the continuously production. The bottles convey to filling machine by air conveyor.





COMPONENT LIST SPARE PARTS

No.	Name	Quantity
1	Tools box	1
2	PLC Manual	1
3	Inverter specification	1
4	Voltage regulator	4
5	Controlled silicon	4
6	relay	1
7	Cylinder wire	4
8	Solenoid valve	1
9	Solenoid valve	2
10	silencer	12
11	Throtting valve	11 2
12	One-way valve	2
13	spanner	3
14	seal	20
15	Screwdriver	3
16	Spanner	9
17	Plastic air pipe 5 m per size	5
18	Air pipe connector 3 model	20
19	Infrared lamps	10
20	Mould screw	8
21	Rust preventive	1
22	Mould release agent	1
23	Pipe fitting	15



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AUXLIARY MACHINES & MOULDS A. HIGH PRESSURE AIR COMPRESSOR

No.	Part Name	Brand
1	AIR CYLINDER	JAPAN SMC
2	SOLENOID VALVE	JAPAN CKD
3	PLC & TOUCH SCREEN	XINGJEI
4	FREQUENCY CONVERTER	CHINA DOVE
5	RELAY	SCHNEIDER
6	MEGNETIC INDUCTION SWITCH	JAPAN CKD
7	ELECTRIC	SCHNEIDER
8	LINEAR GUIDE	CHINA TAIWAN HIWIN
9	SERVO MOTOR	XINGJEI



Model No.	Air Discharge (m³/min)	DischargePressure (Mpa)	Motor Power (kw)	Weight (kg)	Size (mm L*W*H)
09WM	3.6	3.0	11*3	1090	1900*1700*950



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B. LOW PRESSURE AIR COMPRESSOR



Model No.	Air Discharge (m³/min)	Discharge Pressure	Motor Power (kw)	Weight (kg)	Size (mm L*W*H)
09W-1.6/10	1.6	1.0	15	680	1800×860×1600

C. AIR TANK



Model No.	Max temperature	Pressures (Mpa)	Volume (m³)	Weight (kg)	Size (mm L*W*H)
11-2839	150	3.2	0.6	260	1050x650x1100

D. AIR COOLING DRYER



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Model No.	Capacity (m³)	pressure (Mpa)	temperture (℃)	Weight (kg)	Size (mm L*W*H)	
3-3	3.0	3.2	2~10℃	150	1200*700*1250	



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E. MOULD CHILLER



Model No.	Max film	compressure (HP)	Water tank (L)	Weight (kg)	Refrigerant	Size (mm L*W*H)
JCWC-5HP	120L/min	5	55	160	R22	960x650x1000

F. AIR FILTER



Model No.	capacity (m³)	pressure (Mpa)	temperture (°C)	Weight (kg)	Size (mm L*W*H)
	3.0	3.2	1-100°C	20	30*30*60

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Part 1: Water treatment system

- 1.Raw water tank
- 1. Size: 5m3
- 2. Material: SS304
- 3. Thickness: 3 mm

Multi-media filter

- 1.Output: 6 tons per hour
- 2. Vertical type cylinder;
- 4.Work pressure:≤0.6Mpa;
- 5. Work flow speed: ≤6m3/h
- 6.Material of shell: SS304
- 7. The thickness of the shell: 3mm

3. Active carbon filter

- 1. Output:6 tons per hour
- 2. Vertical type cylinder;
- 3. Diameter: ⊄ 500*1850mm;
- 4. Work pressure:≤0.6Mpa;
- 5. Work flow speed: ≤6m/h
- 6. Material of shell: SS304
- 7. The thickness of the shell: 3mm

4. Sodium-ion exchange.

- 1. Output: 6tons per hour
- Vertical type cylinder;
- 3.Diameter: ⊄ 500*1850mm;
- 4.Work pressure:≤0.6Mpa;
- 5.Work flow speed: ≤6m/h 6.Material of shell: SS304
- 7. The thickness of the shell: 3mm







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- 8. Pure water store tank
- 1. Size:3m3
- 2. Material: SS304
- 3. Thickness: 3mm



Part 2. Filling and packing system

1. Washing/ Filling /Capping machine for water, non-carbonated drink



Usage:

The line is mainly used for washing, filling sealing non carbon dioxide drink such as mineral water, pure water, non-gas wine drink and so on.

Characteristics:

It adopts hanging type conveying-bottle structure to make changing bottle model more convenient, faster and more easiest. The main machine adopts advanced PLC control technology. The key electric elements adopt international famous products.

Main technical:

Model	CGF18-18-6
Capacity (500ml)BPH	6000
Filler valves	18
Washing heads	18
Capping heads	6
Suitable bottle shape	PET circular or square



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Bottle diameter (mm)	⊄ 50- ⊄ 110
Bottle height (mm)	150-290
Compressed air pressure (MPa)	0.3-0.7
Washing medium	Aseptic water
Washing water's pressure (MPa)	0.25
Main power (KW)	3.5
Overall dimensions(mm)	2600*1920*2550
Weight (kg)	3500

2. Bottle cap cleaning system

Model: ZXSJ-3

Cap type: Online disinfection consists of automatic capping machine, automatic sorting device, disinfection tunnel

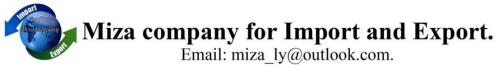
Cover sterilization method: spray disinfectant rinse sterile water and rinse sterile air



3. Light test box

Material: stainless steel 304
With two light pipes which will be installed on the conveyor





4. The bottle conveying system

The buffer conveyor is placed before the packing machine ,so you can save the factory space and to keep the bottles ,and you can have time to change the labels or PE film .

Material: SUS304 stainless steel side panel with plastic chain

Motor: Hangzhou Jie brand Width :80mm for 1lines Height :1080mm (adjustable)



5. Automatic sleeve labeling machine





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Sleeve Labeling Machine





Shrink tunnel

steam generator

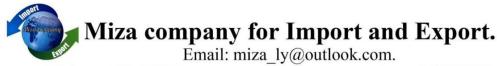
Model: TB-250 Power: 18kw

- 1), The machine is made of stainless steel and high quality of aluminum alloy, the reasonable, intact frame
- 2), The feet bolt is not needed, easy to move suitable for different place.
- 3), The shrinkable film roll with adjustable locking gear, can be adjusted according to different roll 5'-10'
- 4), The applicable bottle is the machine square bottle and round bottle
- 5), Without tools, the driven machinery can be adjusted to meet different bottle size
- 6), Particular inserting label ways, i.e. inserting label, it is reasonable and convenient.
- 7), Full automatic feeder, the flat shrinking and tension are adjusted together.
- 8), It is assured to low error that there is inspection of rolling label cut.
- 9), Particular blade design, blade base can be change by free, changing blade quickly and conveniently.
- 10), It is easy to change the central clamping device without any tools.
- 11), Oriental rolling label device can be lifting synchronal.
- 12), The separating bottle screw, oriental belt and conveyor are adjusted synchronal.
- 13), Adopting ANCHUAN servo motor made in JAPAN and sensitive photo electricity, to insure the precision of cutting label.
- 14), Stainless steel electric controller, adopting Mitsubishi PLC made in Japan
- 15), Adopting advanced man-machine automatic controlling technology, main component adopts famous brand.

6. Drying machine

Material: stainless steel 304

Model: CGJ - I Power: 5.5kw



This machine is installed after the filling machine, in order to dry the bottles which outside with some water drop. This machine is used to remove the water outside the bottle surface; the blowing capacity can be adjusted through the button.

With 1set of air blower and position can be adjusted, also air flux can be adjusted



7. Inkject code Machine

Fusion advanced the galvanometer laser marking technology, import of rf excitation type seal from CO2 laser marking software and real-time control technology at an organic whole, the laser marking technology used on the production line, realize the fast moving product marking, marking the writing forever cannot erase, can meet the demand of various types of production lines, is suitable for paper, plastic, non-metallic materials, and painted metal online marking of packaging materials.

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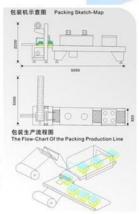
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8. Automatic shrink wrapping machine







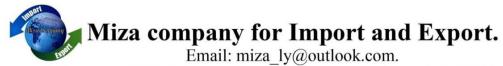




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Product description:

- frequency converter speed adjust two segment convey device.
- bottle pushing, thermo sealing and cutting whole movement adopt to pneumatic fracture.
- · proximity switch control film length.
- touch screen, PLC system greatly increase facility movement reliability.
- double-wind recycle fan machine, ensure shrinkage tunnel inside even temperature.
- super big wind-volume cooling system, ensure quickly get into shape .



- anti-high temperature teflon convey belt, convey steadily, high-strength anti-abrasion.
- · frequency limitless speed adjust convey belt frame.
- convey belt height can make according client requirement, adjust range: ±50mm
- bottle convey machine can meet with client bottle forward direction requirement, can lengthen or shorten.
- · wing stainless steel heating system, endurance.
- meet with product instant stopt requirement product-bearing rack device ensure production line consistency.

technical condition and requirement:

- 1. package type:
- (1)350/500/550/600ml big bag: 4×6 , 4×5 ; small bag: 3×4 , 3×5 four type of package. (2)1L / 1.5L / 2L / 2.5L big bag: 3×3 , 3×4 ; small bag: 2×2 , 2×3 four type of package
- regarding can, we suggest adopt to package with tray, pack steadily.
- 3. package speed: 8-15bag / min
- 4. meet with pre-treatment filling speed of filling machine:
- (1) 350/500/550/600 ML big bag: 4×6 , 4×5 , (12000-15000b / hr), small bag: 3×5 , 3×4 , (8000-10000b / hr).
- $(2)1L / 1.5L / 2L \text{ big bag: } 3\times4, 3\times3(5000-6000b / hr), small bag: } 2\times3, 2\times2 (3000-4000b / hr)$
- 5. package material: PE thermo shrinkage film width (200—600mm), thickness (0.08—0.12mm)

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For Our clients in Libya

500BPH (3L) PET-bottled, Water Production Line Project Proposal

No.	Description	Model No.	Quantity	Unit	Unit Price (USD)	Total Amount (USD)	Remark
1	Semi-auto Blowing Machine	VD 500.0	4.00		40500.00	12500.00	
2	Rotary Infrared Pre-heater	YD-500-2	1.00	set	13500.00	13500.00	
3	HP Air Compressor with tank	1.6m3/30Kg	1.00	Set	8900.00	8900.00	
4	Air Dryer	2.0m3/30Kg	1.00	Set	2200.00	2200.00	
5	Air Filter	2.0m3/30Kg	2.00	Set	300.00	600.00	
6	Water Chiller	5HP	1.00	Set	3200.00	3200.00	
7	2 cavities Blowing Mold for 7000ml	1	1.00	Set	2000.00	2000.00	
8	2 cavities Blowing Mold for 5000ml	197	1.00	Set	1700.00	1700.00	
9	2 cavities Blowing Mold for 3000ml	67.7	1.00	Set	1500.00	1500.00	
	3L 5L 7L Bottle Water Filling Machine	1000		Title S			
1	washing filling capping 3in1 machine	CGF6-6-1	1.00	Set	26500.00	26500.00	
2	Conveyor (10m)	SS-A	1.00	Set	3200.00	3200.00	Input 2 meters Output 3 meters
		440	W CON	TVY	Freight	0.00	
		0.412,93	ST-ANI	and ear	Insurance	0.00	
		1 25			Total Amount EXW	63300.00	

Pure Water Production Line





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SEMI-AUTO BLOW MOLDING MACHINE

Technical Parameter

General Information	YD-500	YD-500-2		
	10 111			
Clamping Force		5T		
Clamping Stroke		Omm		
Max. Stretching Stroke	440	Omm		
Number of Cavity	1cavity	2cavity		
Output	300-500BPH	350-600BPH		
Max. Mould Thickness	280)mm		
Mould Plate Size	490*4	170mm		
Electrical System				
Voltage Standard	380V/3PH/50H2	Z or special order		
Total Power	3-10KW	5-15KW		
Air Compressor	1.2m3min 3.0Mpa	1.6m3min 3.0Mpa		
Plastic Container		•		
Container Volume	0.5	5-7L		
Neck Diameter Range	28-1	20mm		
Max. Container Diameter	300	Omm		
Container Height	450)mm		
Dimension & Weight	distribution of the second			
Machine Size	195x60x180cm	195x60x180cm 2PCS		
Heater Size	180×70)x140cm		
Net Weight	1.2T	1.8T		

Auxiliary Machine 1. Air Compressor





Model No.	Air Discharge (m³/min)	3	Motor Power (kw)	Weight (kg)	Size (mm L*W*H)
09WM	1.6	3.0	18.5	620	1920*730*1135



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2. Air Dryer



Model No.	Capacity (m³)	pressure (Mpa)	Temperature (°C)	Weight (kg)	Size (mm L*W*H)
3-3	2.0	3.0	2~10°C	150	1200*700*1250

3. Air Filter



Model No.	Capacity (m³)	Pressure (Mpa)	Temperature (°C)	Weight (kg)	Size (mm L*W*H)
Miz	2.0	3.0	1-100°C	20	30*30*60

4. Water Chiller





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Model No.	Max film	Compressure (HP)	Water tank (L)	Weight (kg)	Refrigerant	Size (mm L*W*H)
JCWC-5HP	120L/min	5	55	160	R22	960x650x1000

5.PET Blowing Mould



Washing/Filling/Capping 3in1 Machine for 3L5L7L Bottle





Washing filling capping 3in1 main machine

Washing part



The empty bottles will be sent to pure water washing machine through belt conveyor, 4 bottles per shift, each 4 bottles will be calculated and stopped by sensor-cylinder, and 6 bottles will be clamped by clamps at holding neck positions; The bottles will be reversed for bottle rinsing .Rinsing time and rinsing water capacity is adjustable.

Filling and capping part





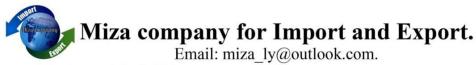
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The pure water washed bottles will be sent to filler by conveyor, block cylinder will block 4 bottles in filler conveyor; push cylinder will push bottles under filler, lift cylinder will take bottles to filler heads, open filling value, filling start. The filling is gravity filling; it is easy to control precision. After this process, the bottles will be returned back to conveyor by reverse repeat.

After filling the bottles will go to the capping. One bottle will take one lids, then capping machine wi Il screw the lids on the bottle.

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Technology parameter:

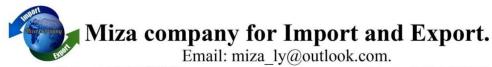
Type: CGF 6-6-1 Capacity: 500-1000b/h Total power: 3kw

Overall Size:6000x1400x2500mm

Weight:800kg



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For Our clients in Libya

200BPH (18L), Water Production Line Project Proposal

No.	Description	Model No.	Quantity	Unit	Unit Price (USD)	Total Amount (USD)	Remark
	200 BPH FILLING MACHINE					_	
1	Automatic pullout cap device	BG-1	1.00	Set	1900.00	1900.00	
2	Outside washing machine	WS-150	1.00	Set	4300.00	4300.00	
3	5 Gallon washing filling capping 3in1 machine	QGF-150	1.00	Set	8500.00	8500.00	SUS304
4	Shrink tunnel	RBX-150-B	1.00	Set	1500.00	1500.00	
5	Conveyor (8m)	SS-A	1.00	Set	3100.00	3100.00	
6		-					
	1-1	4975	10		Freight	0.00	
					Insurance	0.00	
		11/10	100		Total Amount	19300.00	



5 gallon filling machine



Automatic pullout cap device



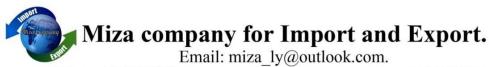
This equipment is a special equipment for removing the cover of the recycle 5 gallon barrels. It has the advantages of simple structure, good effect of removing the cover, less damage to the barrels, less deformation and effective utilization, etc. It is the necessary equipment for empty barrel pretreatment in the production line of bottled drinking water.

Technical parameters:

Cover remove head:1

Suitable barrels type: Ф270×490

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Production capacity:150bph

Air source:

Pressure: 0.6~0.8Mpa Gas consume: 0.15m³/min

Machine size:650*500*1750mm

Weight: 200kg

Outside washing machine



Barrels outside washing with 2 brushes that are made very fit to bottle's shape, the body, neck and bottom of the bottle can be thoroughly cleaned, The whole machine is entirely closed and no leakage.

Technical parameters:

Brushes: 2 brushes

Suitable barrels type: Ф270×490

Production capacity:150bph

Power for brush motor:0.55kw

Power for water pump:0.37kw

Machine size:1200*1000*1750mm



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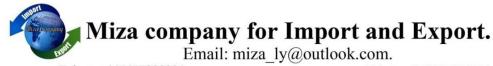
* 150 Barrels/h filling machine



QGF automatic barreled water production is specialized for 3/5 gallon barreled water producing. The whole line includes washing machine, filling machine and capping machine. It is ideal equipm ent for producing mineral water and pure water. The all machines are mainly made of SUS304 stai nless steel. The main electric components are chosen from international famous brand. The machi ne structure is compact and takes up little space, high efficiency and stabilization.

Main technical:

Model	QGF-150
Filling head	1
volume	5 gallon
Barrel size	270*490
Capacity	120barrels/h
Gas pressure	0.4-0.6Mpa
Motor power	1.75kw
Weight	700kw
Dimension	2800*1100*1600mm



❖ Shrink machine



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