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Specification for Each Item

Production Process:



Part One: 3000LPH RO Water Purification System

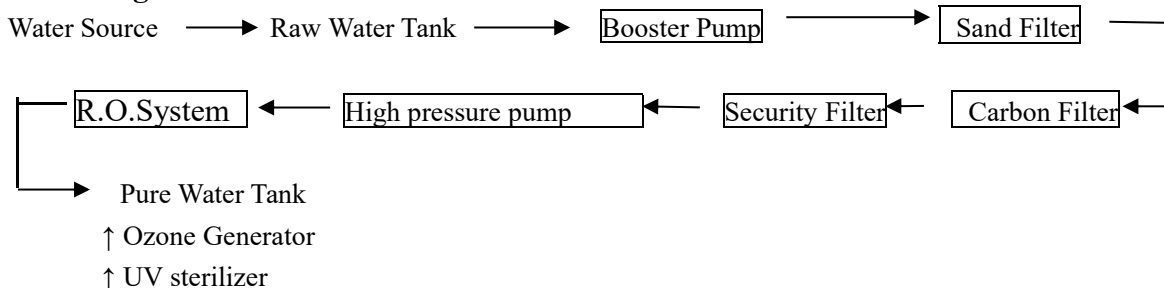
1. Design Basis

- 1.1 Produced water's application: Bottle drinking water
- 1.2 The capacity of produced water: 3000L /H
- 1.3 System Configuration: Pretreatment + One Stage Reverse Osmosis Desalination System.
- 1.4 Designed recovery: 50-65%.
- 1.5 Rejection rate: $\geq 97\%$
- 1.6 Voltage: 3 phases, 380V, 50Hz; Power: 5.2 KW

2. System requirements:

- 2.1 Inlet pipelines: inlet pipe connected with the raw water tank entrance.
- 2.2 Cable: According to the calculated capacity of electric power, the user should send it on the control cabinet.
- 2.3 Outlet water pipelines: From pure water tank to the pure water using point.
- 2.4 Concentrated Water Treatment: Discharge to the wastewater pool (user considered).
- 2.5 Water temperature: 5-35°C

3. Working Process:



4. Main Components List:



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<https://www.lndwaterbottling.com>

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Basic Configuration	Item	Description
Pretreatment part	Feed pump	CNP CDL4-50
	Sand filter	Φ600×1625 (filter 500kg) SUS304
	Active Carbon filter	Φ600×1625 (filter 150kg) SUS304
	Micron filter	30"×5 micron filter
RO Part	Pressure pump	CNP CDL4-220
	RO membrane	USA DOW FILMTEC BW30-365 x 3units
	Membrane vessel	FRP 8040 * 1m 3 sets
	Pressure controller	P6E
Piping and controlling valve	Piping and valves	U-PVC piping & Valves
	Control system & Indicator	Water level control, Pump protecting, Automatic electric valve control, Mitsubishi PLC Control system
Other fittings of machine	Pressure gage	1.0MPa,2.5Mpa. 5pcs in total
	Conductivity of the table	CCT3320 X 2sets
	Main frame	Stainless steel 1set
	motorized valve	DN20
	Pipeline flow meter	20GPM 2sets

5. Picutres:



Part Two: CGF18-18-6 Automatic Bottle 3 In 1 Washing, Filling and Capping Machine

Automatic machine for bottle washing filling and capping, with 18 washing chucks, 18 filling valve and 6 capping heads, production capacity for 500ml mineral water is 4000-6000 bottles per hour. The available bottle sizes for this machine are 300ml – 2000ml.

Main Technical Parameters:

Capacity	4000-6000bottles/hour (500ml)
Bottle Diameter	50 ~ 95mm
Bottle height	150 ~ 320mm
Cap specification	Standard plastic rib caps
Bottle washing pressure	0.18 ~ 0.25Mpa
Water consumption of bottle washing	1200kg/h (can be adjusted)



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Spraying working position	10
Gas source pressure	0.4Mpa
Air consumption	0.5m ³ /min
Total Power	8.63KW
Weight	3000Kg
Overall Size	2450×1800×2200 (mm)

Main Configuration List

No.	Name	Original
1	Touch screen	Japan Mitsubishi
2	PLC	Japan Mitsubishi
3	Transducer	Taiwan Weinview
4	Module	Japan Mitsubishi
5	AC contactor	Schneider
6	Thermal relay	Schneider
7	Circuit breaker	Schneider
8	Circuit breaker	Schneider
9	Emergency stop switch	Shanghai
10	Power light	Shanghai
11	Photoelectric switch	AUTONICS

Equipment Picture:



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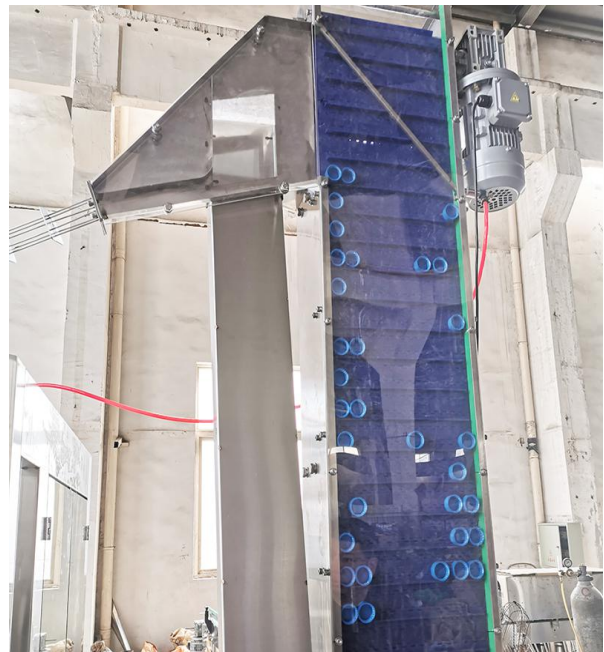
Washing unit



Filling Nzzles



Capping heads



Cap loading machine



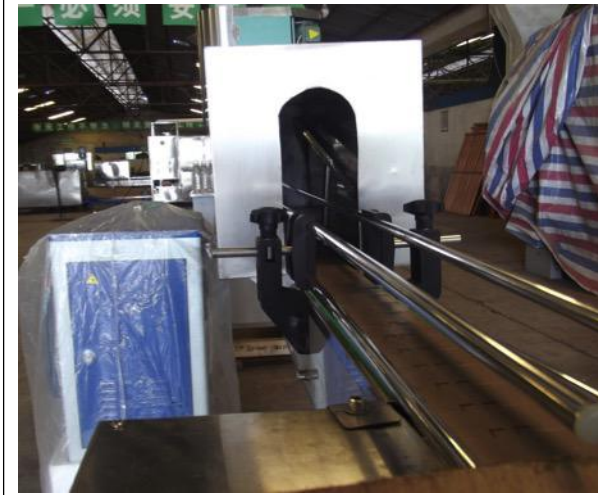
Part Three: Manual label-shrinking machine

Heat Shrinking Tunnel



Steam Generator(12kw)





Part Four: CO2 laser marking machines

1. Characteristics of CO2 laser marking machines

- 1, the use of metal packaging radio frequency seal type, modular production, ensure the stability of long-term use of equipment higher than other laser mode.
 - 2, widely used, basically including all non-metal materials industry marking.
 - 3, flight marking effect is good, the system is equipped with software and hardware functions to control the motion accuracy, can track the rapidly moving workpiece and control the laser output, in the production line rapid movement, the workpiece does not pause to mark.
 - 4, non-toxic, pollution-free, no consumables, no maintenance.
- High marking precision, fast speed, beautiful font, clear marking, not easy to wear

2. 20W Configuration Table:

Sequence number	Subsystem name	Model	Number	Brand	Remarks
1	laser	20W	1set	CRD	Joint venture top domestic configuration
2	Laser power supply	S350-27	1plantform	MEANWELL	Taiwan Laser Special Power Supply
3	Taiwan Laser Special Power Supply	BES-10.6-3X	1only	二六	United States imports 26
4	Field mirror	FT-10.6-110	1only	二六	United States imports 26
5	High speed scanning mirror	10	1set	bairuitong	German technology Beijing production



6	Software Control System	MC8001	1set	Huierde co-developme nt	Flight system, customizable
7	Control Mode	YM-01	1set	Huierde co-developme nt	Taiwanese industrial touch screen control
8	Two-dimensiona l support	Custom aluminium profiles	1set	Self-develop ment	Dedicated flight marking support
9	Switching control cabinet	304 Stainless Steel	1set	Self-develop ment	The first integrated design in China has now been copied by many appearances

3. 20W related parameters:

laser	Metal RF seal type carbon dioxide laser generator
Continuous output power	$\geq 20W$
Deflection mirror	High-precision double-dimensional scanning system
Master	Highly integrated motherboards, uniquely designed engineering controls, have a more obvious advantage in summer temperatures
Cooling system	Cool.
switching power supply	S350W-27
Minimum line width	0.03mm
Laser stability	(12h) <3%
Response time	0.8ms
Print Depth	$\leq 0.3mm$, Depending on the size of the laser power and the material of the product, there will be differences
Mark speed	$\leq 7000mm/s$



Repeated positioning accuracy	$\pm 0.1/0.15\text{mm}$
Range of marking	Standard 110mm × 110mm, according to the marking content can be multiple choices
Environmental requirements	Temperature: 0 ~ 40 °C Humidity: 0 ~ 95 %
Type of marking	Point vibration, drawing lines can be
Number of lines used to engrave characters	Any line within Mark range
Machine size	800mmX800mmX1400mm

4. Laser manufacturing, inspection and acceptance meet the following national standards:

GB 8702	Regulation on Electromagnetic Radiation Protection
GB10320	Electrical safety of laser equipment and facilities
GB 7247	Radiation safety, equipment classification, requirements and user guidelines for laser products
GB10320	Electrical safety of laser equipment and facilities
GB/T13740	Test method for laser radiation divergence angle
GB/T13741	Method for measuring laser beam diameter
GB/TB360	Specification for Laser Power Energy Test Instrument

5. Picture





Part Five: Semi-auto Shrink- Wrapping Packing Machine

Main Feature:

- 1) It can make package perfect whatever it is without pallet, cartoon, rectangle, round or flat shape.
- 2) It has the advantage of less cost and better appearance.
- 3) Replace film conveniently. It has failure alarm, lock device, reliable running.
- 4) Automatic film feeding and cutting function, and the length of film for feeding and cutting is adjustable.
- 5) With stainless steel heating tube to ensure the high efficiency even heat, not easy to break and easy changing.
- 6) The whole machine applies super steel and stainless steel, with compact and durable structure. This new type of wrapping machine is the ideal equipment for beverage filling line.

Technical Diameter:

Machine Dimension	4500*870*1980(L*W*H.mm)
Max packed size	420*270*350(L*W*H.mm)
Shrinkage film material	PE、PP、PVC、POF
Shrinkage film thickness	0.03-0.15(mm)
Oven temperature	160 - 250°C
Heat Cutting Temperature	160 - 200°C
Max output	0-6Bag/Min.
Actual Power	18Kw/H.
Max power consumption	28KW
Voltage	AC 380V/220V,3Phs
Weight	750kg.
Applicable Internal Diameter of Paper Tube	5"~10".

Packing Type:

- a) 300-600ml: Big package: 4×6, 4×5; Small package: 3×4, 3×5.
- b) 700-2000ml: Big package: 3×3, 3×4; Small package: 2×2, 2×3.



Equipment Picture:





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