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12-12-4 3in1 Bottle Washing Filling Capping Machine



12-12-4 PET bottle Washing / filling / capping machine is the new generation three-in-one combination of our advanced technology of atmospheric pressure filling technique, and it is the application of independent research and development, it will be the same with pure water and mineral water advanced bottling models. This machine adopts conveying way for clip bottles' lips, only need to replace very few parts, it can be applied to a variety of bottle type, smooth delivery. Filling method is Atmospheric pressure filling.

★The main frame adopts structural steel, 304 stainless steel exterior layer, 304 stainless steel frame, round steel adjustable feet.

★Conveying system adopts star wheel, smooth transmission,

★Number of washing clips is 12, 304 stainless steel chassis wash pipes are heat-resistant.

★Number of filling valve is 12, and parts contacted with product are 304L stainless steel. Inner surface is dealt with polishing. There is stainless steel returning tube, no dead space. This machine is using new generation bottom cam wheel type filling unit which ensure stable performance for high speed filling.

★Number of capping head is 4, screw head using magnetic torque device to facilitate torque adjustment, it can be set the size of the first torque of capping in accordance with the actual



production needs.

Power system

★Main Motor and Gearbox with frequency controller, transmission for sports bodies are gears, run smooth, all-round star bottle components are engineering plastics, with security agencies.

★Imported PLC, transducer, relay, photoelectric switch, sensor switch relay components, touch screen operation panel, pneumatic components imported.

Technical Parameter

Production capacity	5000 B/H (500ml)
Suitable bottle sizes	300ml-1500ml
Pressure of air source	0.4~0.6Mpa
Used air	0.3 m ³ 3/min
Water pressure of washing bottles	0.2-0.25Mpa
Used water of washing bottles	0.5 T/h (Max. it can be adjusted)
Filling mode	Atmospheric pressure filling
Total capacity of motor	5Kw
Weight	2200kg
Overall dimension (mm)	2350*1650*2000
The machine includes	2M air conveying system in front, 2M conveying system for bottles out in back, cap elevator (new type belt loading system).

CGF12-12-4 Electric appliances adopted list

No.	Name	Type	Producing area
1	Touch screen	MT6070IH2	Taiwan Weinview
2	PLC	FX1S-20MR	Japan Mitsubishi
3	Transducer	FR-D740E-2.2K	Japan Mitsubishi
4	Module	FX1N-485-BD	Japan Mitsubishi
5	AC contactor	CJX2-0910	DELIXI



6	Thermal relay	JRSD-25	DELIXI
7	Circuit breaker	DZ47-3P-D 20A	DELIXI
8	Circuit breaker	DZ47-1P -C6A	DELIXI
9	Communication cable	FX-50DU-CAB0-5M	Domestic
10	Converter cable	RS-485	Domestic
11	Photoelectric switch	BEN5M-MFR	AUTONICS
12	Electric appliance accessory	GB	Domestic

Pictures for reference:



