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24-BPM Automatic Mineral Water Rinsing, Filling & Capping Machine

Description

RFC series machineries a fully automatic multi function combined machine integrating washing filling & capping into single body. This machine is equipped with advanced man machine interfacial control technology with all necessary automation. It works hanging neck holding method hence very convenient bottle change over.

Operation

➤ **Bottle in feed & rinsing section**

The in feed star wheel has spring loaded neck gripper finger which compensates for minor variation in bottle neck diameter. The bottle fed by Air conveyor are picked by fixed size neck star neck and transferred between grip finger .This eliminates the need of feed worm & change parts for different size of bottle diameter.

The neck spiders transfer the bottle on to rinsing turret which neck gripping finger to carry the bottle around rinsing. Two nos. spray nozzle wash for proper wash to bottle. Washing turret is working with synchronized mechanism system.

➤ **Filling & capping section**

Duly Rinsed and drained bottle are again move on filling star plate filling star plate also work with synchronize gingiva mechanism. Four stage filling system with electric solenoid valve with timer base filling. Vibratory bowl unit for Auto cap placement.



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Application: - Mainly use for pet bottle mineral water

Technical specification

- Capacity :- 1200 to 1400 Bottle per hour (Depend upon filling volume)
- Motor :- 2 H.P. / 1440 Rpm/ 3 phase/ 4 wire system(for main drive)
- Motor (for Air blower) :- 1.0 H.P. 3 phase /2800Rpm/
- Motor (For conveyor) :- 0.5 H.P./1440 Rpm/ 3 phase/ 4 wire sys.(
- Motor (capping) :- 0.5 H.P./1440 Rpm/ 3 phase/ 4 wire sys.
- Bottle size :- 200 ml to 2000 ml.
- In feed Conveyor :- 5 Feet (Air Blower conveyor)
- Output conveyor :- 12 Feet (S.S. Slat conveyor)
- Washing station :- 2 station
- Filling station :- 4 station

Note: - Air compressor provide by you. (3 HP air compressor) Otherwise it willBe extra cost.



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Salient Feature

- Rotary neck holding
- Air blow conveyor on the in feed
- Slat belt conveyor on the out feed with the AC drive and inspection table with lighting system.
- No bottle no fill system
- Speed control by AC drive
- Can handle all bottle size rinsing 200 ml to 2000 ml.
- Totally hygienic bottling
- Compatible with online shrink tunnel machine.
- Vibratory bowl for cap feeding automatic.

Shrink Tunnel

Salient Feature	
Easy to operate	
Virtually no Maintenance	
Low Power Consumption	
Electronic Digital Temperature Controller	
High Efficiency Heaters	
Suitable for pvc & LDPE Film	
Fixed / Variable Conveyor speed	
Technical Specification	
Length of Passage	30-Inch
Width of Passage	06-Inch
Height of Passage	14-Inch
Temperature	70 c to 250 c
Material	PVC & LDPE
Power load (Heater)	03 Kw / 440 W

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