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TECHNICAL SPECIFICATION FOR 40 BPM RINSING, FILLING & CAPPING

Model Number	S.S.E.W-40
Production capacity	2400 Bottles / Hour
Production Capacity for 1.5 Liters	1800 Bottles / Hour
Filling Capacity	200 ml to 2,000 ml
Neck Description	Standard for full range
Voltage	440 V / 3 Ph / 50Hz
Total Power	5 KW
Unit Dimensions (L x W x H)	25(with conveyor) x 5 x 10
Air pressure	2 HP
Wash Stages	1 Stage
Rinsing & Washing Heads	10
Filling Heads	10
Capping Heads	5
Drive	Delta Make
Structure	Rotary
Bottle Type	PET Bottles only (NO GLASS)
Beverage contact parts	S.S. 304
Input Conveyor size	5 Ft Long
Conveyor Speed	Adjustable
Output Conveyor size	14 ft Long total length
Motor	Rotomotive
Shrink Tunnel	S.S
Our Machine Strength	Combine Motor & gear, perfect moving, smooth working. We are giving 10 head rinsing, 10 head filling, 5 head capping 16mm Machine base plate, Magnetic Capping, Anti rotate Bottle.



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1) **ROTARY RINSING, FILLING AND CAPPING MACHINE FOR PET BOTTLE**

BOTTLE RINSER: The machine will have 10 Rinsing nozzles.

- The frame structure will be of MS and will be suitably gladded with SS.
- The bottles from the Air conveyor will be taken by the star wheels and gripped by the In feed Neck Guide Plate .On Rotation the in feed Neck Guide Plate will deliver these bottles to the Rinsing Gripping Fingers.
- The gripping fingers will hold the bottles by neck and necessary guide bars will invert the bottle upside down by 180 degree.
- The duly inverted bottles will receive water from the rinsing nozzles on rear of the machine. The rinsing will operate from 90 to 270 degree rotation of the rinsing machine. Zero degree position is in front of the operator.
- In 180 degree rotation the washing cycles will be stopped and bottles will be re-inverted and delivered through Out feed Neck Guide Plate to the filling Unit.

2) **BOTTLE FILLER / SCREW CAPPER:-**

Rotary type filling system

The Filling tank have 10 nos Counter Pressure Filling Valves.

- The Bottles from the Rinser Out feed Neck plate is transferred to the Neck holding lift cylinders for lifting the bottles to the filling valves. When bottle gets sealed with filling valve, the filling valve opens and filling starts.
- Filling tank will have Counter Pressure filling Valves, Liquid Float Assembly to control level of Product in the Tank.
- As soon as the bottle is full and during rotation of the machine valve will be closed and bottle will be lowered and transferred under the capping head.

These sections have 5 nos of Capping Head

- The caps will come from Vibrator and directly placed on the bottle neck and tightened.
- The bottle will enter the capping turret and by adjustable chucks.
- Duly capped bottles will be transferred on the conveyor and taken to the collecting table for further packing.

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