

Rinsing, Filling and Capping Machine Model 624



Quality is our Commitment

This machine is developed for bottling of non-carbonated soft drinks in PET bottle. It has 18 water spray nozzles, 24 filling valves and 8 capping heads.

Container Size		Production Speed	
1500	cc	6000	bph
500	cc	6000	bph



■ Infeed Section

Air conveyor is used to transfer the bottles to the machine. Transfer of the bottles inside the machine is neck to neck; therefore any change in the bottle height would not affect the height of different sections.

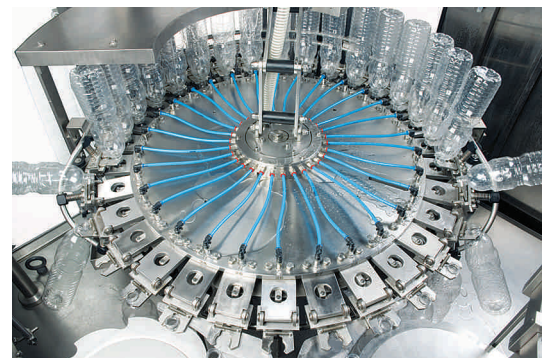


■ Rinsing Section

The bottles are transferred to the inlet star through air conveyor and then taken from the inlet star by special grippers. The bottles are gripped by the neck and then turned 180 upside down.

In the next stage, water is sprayed inside the bottles through nozzles. Moreover, rinsing can be executed by sterile air or any other liquids suiting the product to be filled.

After spraying detergents inside the bottles for a period of time, the bottles continue to move upside down for while to drip water and turned to their first position.



■ Filling Section

Filling of the product is in the form of gravity level. If there is no bottle on the line or the bottle is defected, filling valve will not be activated.

Level of the product in the tank is controlled by continues level meter prob system. This sensor determines the time of turning on and turning off the product's inlet pump. Level of the product in the tank can be observed on the panel view.





■ Capping Section

Plastic screw capping system is installed on the machine. The capping head has magnetic system inside, therefore the force for fixing the cap on the bottle can be adjusted.

In the capping section, the head picks up the cap and fix it on the bottle and if there is no bottle on the line, capping path will be closed.



General Specifications:

- Fully automatic operation with PLC control
- Large color touch screen operating panel
- The machine is equipped with intelligent troubleshooting system and the operator is warned about problems and errors, so the defect is quickly eliminated and causing minimum deficiency in production.
- Centralized lubrication panel installed on the machine frame.
- There is an elevator to transfer the caps to the caps sorting section.
- All wet parts and the surface in the contact with product and water are made from stainless steel (304).
- The machine has safety guards made from stainless steel (304) to protect against moving systems during operation. If one of the doors is open, the machine will automatically turn off.





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