

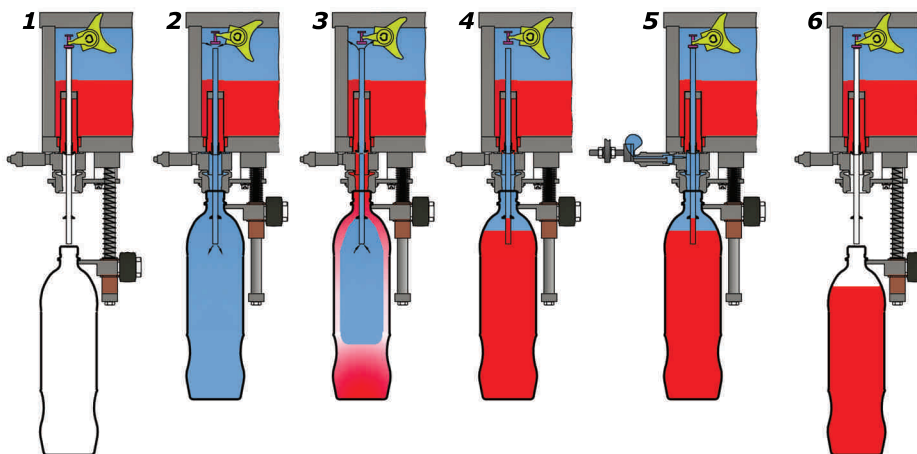
# Rinsing, Filling and Capping Machine Model 630G



Quality is our Commitment

This machine is specially developed for bottling of carbonated soft drinks in PET bottle. It has 30 water spray nozzles, 30 filling valves and 10 capping heads.

Container Size		Production Speed	
1500	cc	5000	bph
300	cc	10000	bph



#### Sequence of filling

- 1- Close
- 2- Charging
- 3- Filling
- 4- End of filling
- 5- Snifting
- 6- Close

- 1- The bottle is placed under the filling valve by neck holder and sealed.
- 2- The gas inlet lever is opened and CO2 gas enters inside the bottle.
- 3- When the pressure inside the bottle and tank is equal, filling valve will be opened and syrup is poured into the bottle.
- 4- Filling will continue until syrup closes the air pipe.
- 5- The gas lever is turned off and pressure inside the bottle and environment become equal.
- 6- Finally, the bottle is slowly separated from the filling valve.



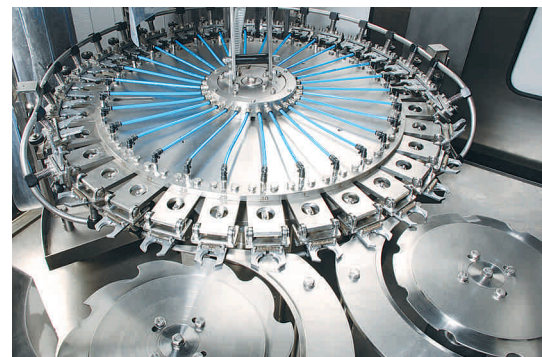
### General Specifications:

- Fully automatic operation with PLC control.
- Large color touch screen operating panel.
- Centralized lubrication panel installed on the machine frame.
- The machine has CIP washing system.
- 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.
- 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.

#### ■ 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 product is in the form of isobarometric level with pressure of 40-50 psi in 2-4 C°. If the bottle is not observed by sensor, the opening lever of filling will not be activated and the product will not exit from the valve. Spray nozzle washes the bottle neck in order to prevent contamination of product before capping.



#### ■ 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.





**Padideh Pars**  
**Filling and Packaging Technology**

Padideh Pars Machinery Manufacturing Co.  
Tolid Street, Sefidar Street, Robat Karim  
Tehran-Saveh Freeway, Tehran-IRAN  
P.O.Box: 37615-457  
Phone: +98 21 56425557-8    +98 21 56424042  
Fax: +98 21 56422768  
[info@padideh-pars.com](mailto:info@padideh-pars.com)  
[www.padideh-pars.com](http://www.padideh-pars.com)