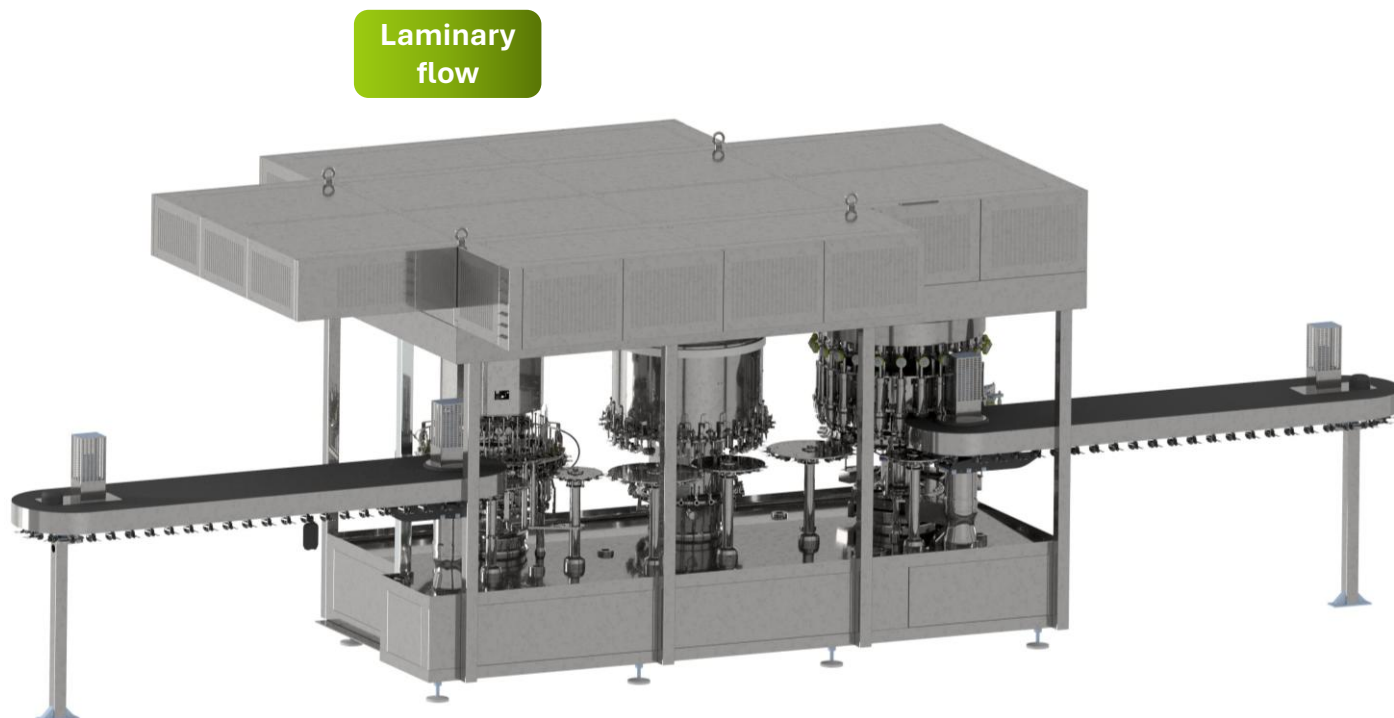
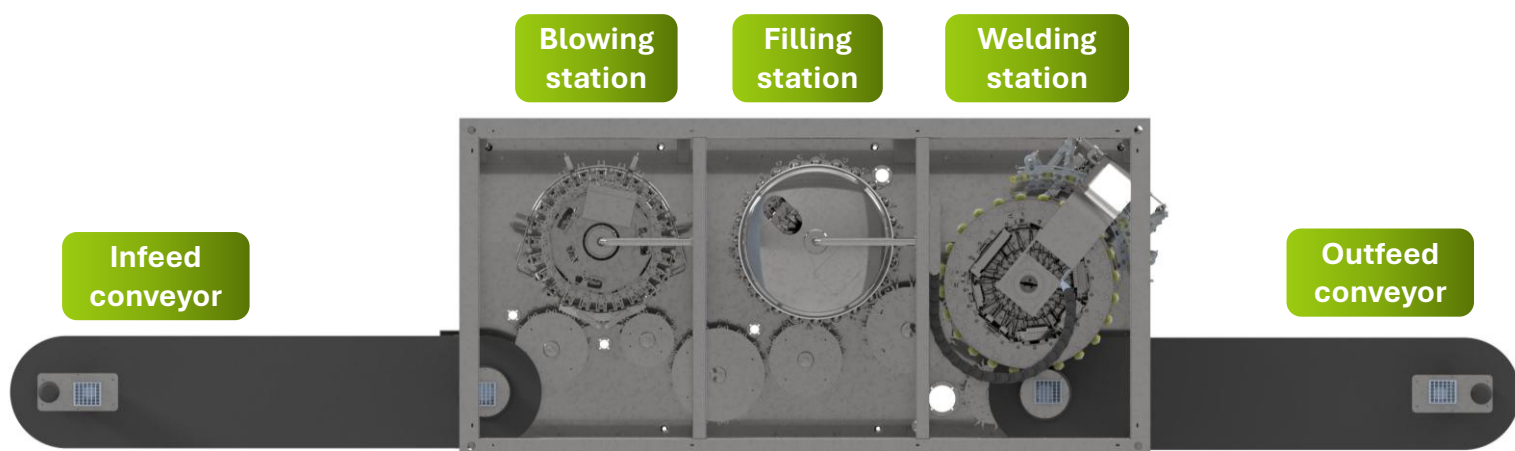


# Automatic Air Blowing, Filling, and Cap Welding machine for PP/PE plastic bottles.



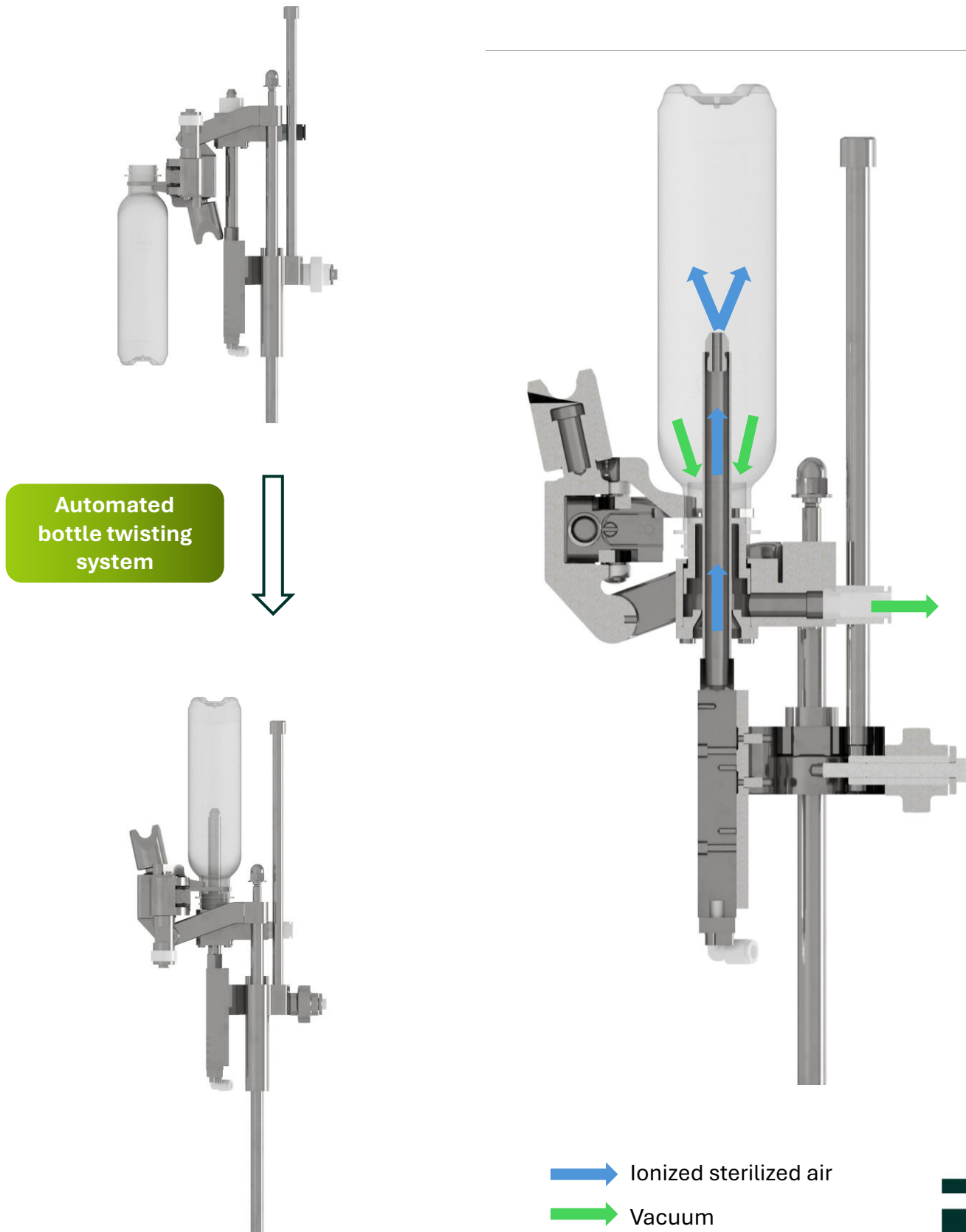
## Key features

- Full neck handling process, for bottles contactless transportation.
- Possible direct connection between stretch blow machine and infeeding conveyor.
- Flexibility over a wide range of filling volumes and containers shapes, from 50 up to 1.000 ml.
- Laminar Air Flow integrated on the machine structure.
- CIP/SIP system.
- Friendly machine interface.
- 50 to 200 BpM.



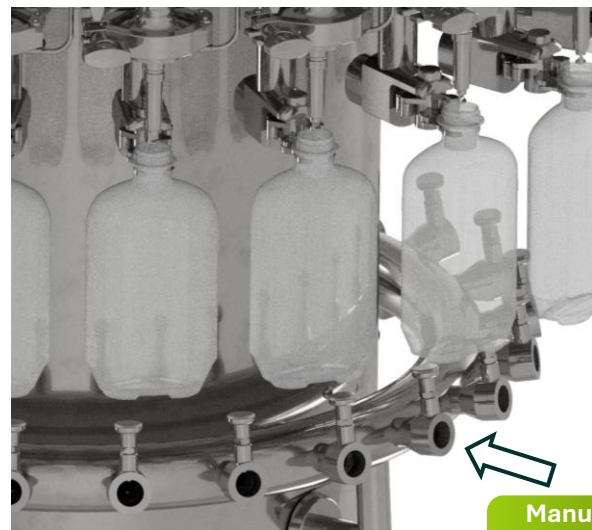
## Air Blowing station overview

- Air Blowing/Vacuum process.
- Containers internal blowing with ionized sterile air for eventual particles removal.
- The addition of vacuum process guarantees higher hygienic features: the removed particles are carried out of the machine through a dedicated manifold.
- To further improve the removing performances, ionizing devices can be installed in order to lower the electrostatic charge that helps particles stick to the container's surface.



## Filling station overview

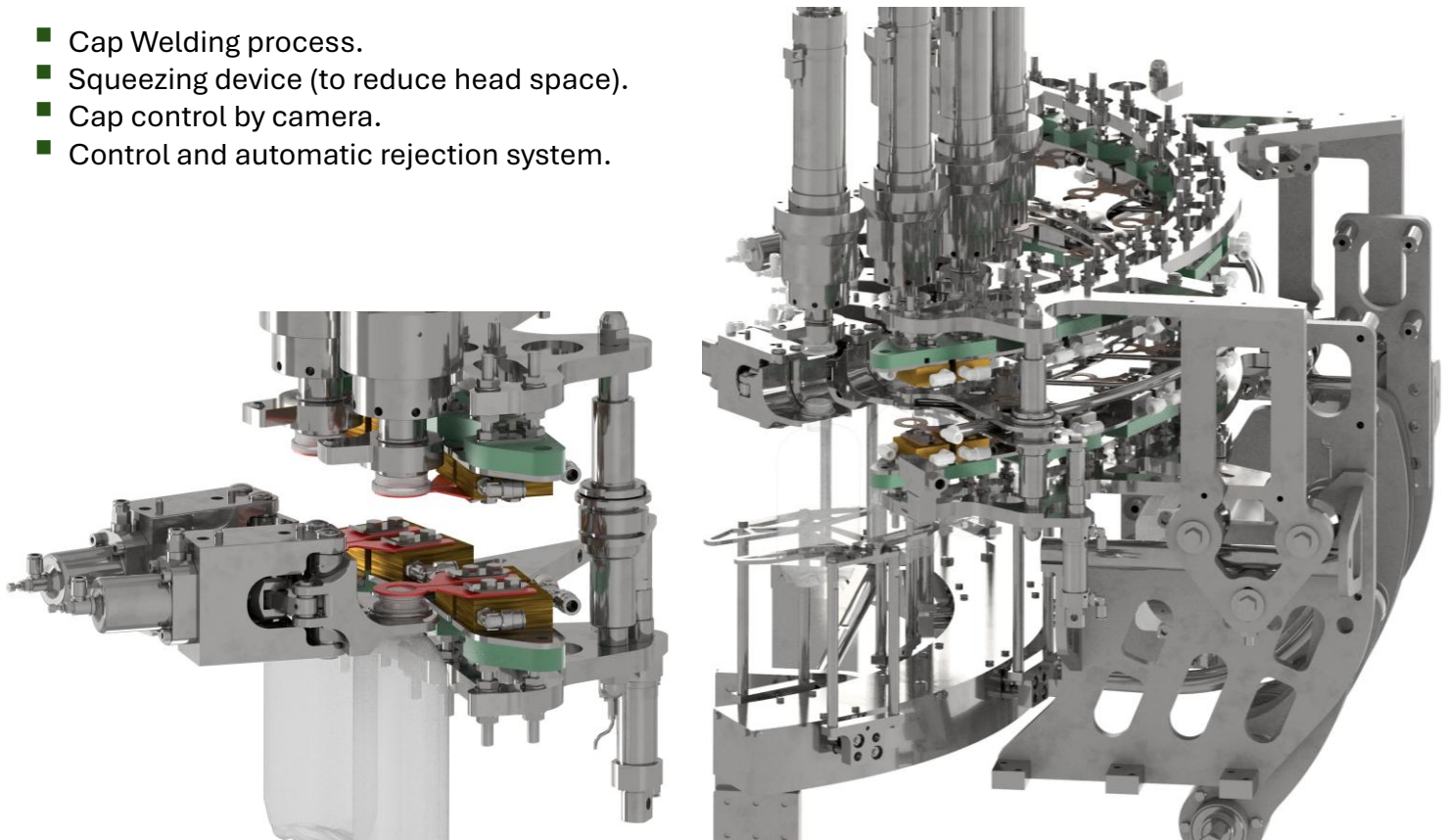
- Filling system with Mass Flow Measuring System or Time Pressure System.
- Nitrogen purging.
- Automatic dummy bottles insertion system (for CIP/SIP) (optional).



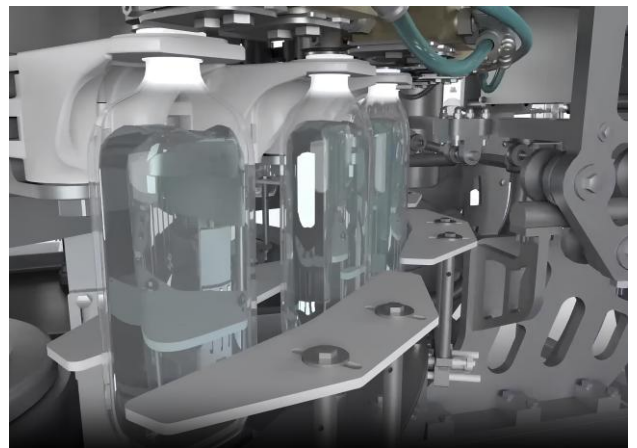
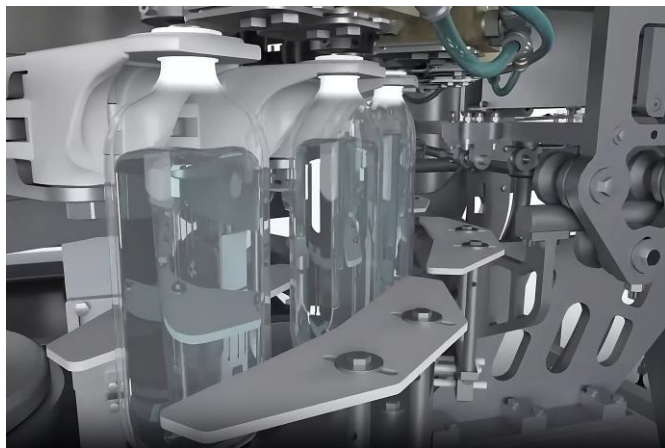


## Welding station overview

- Cap Welding process.
- Squeezing device (to reduce head space).
- Cap control by camera.
- Control and automatic rejection system.



### Squeezing process: head space reduced



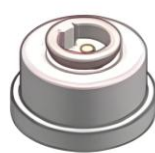
### Closures



IV one  
injection point



IV two  
injection point



IV three  
injection point



Irrigation  
cap





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