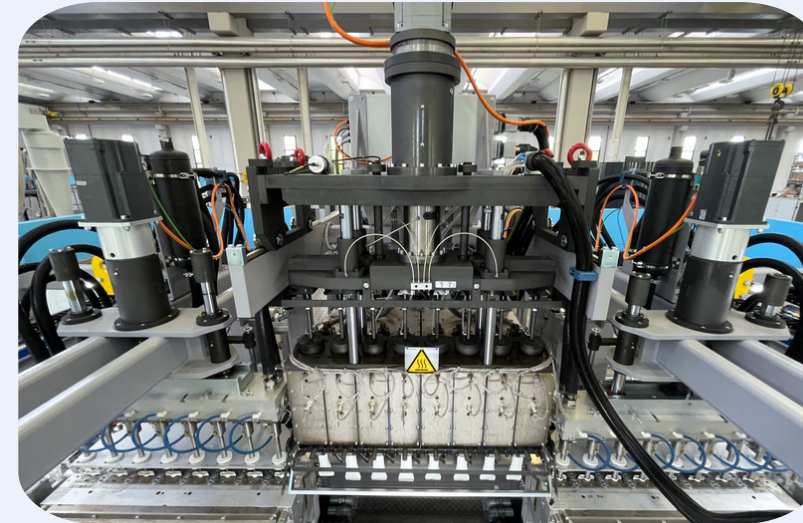


Extrusion Blow Molding Process



1) Extruder

Plastic pellets (HDPE, HMWPE, LDPE, PP, PCR) are melted and pushed along the screw to prepare them for the forming process.



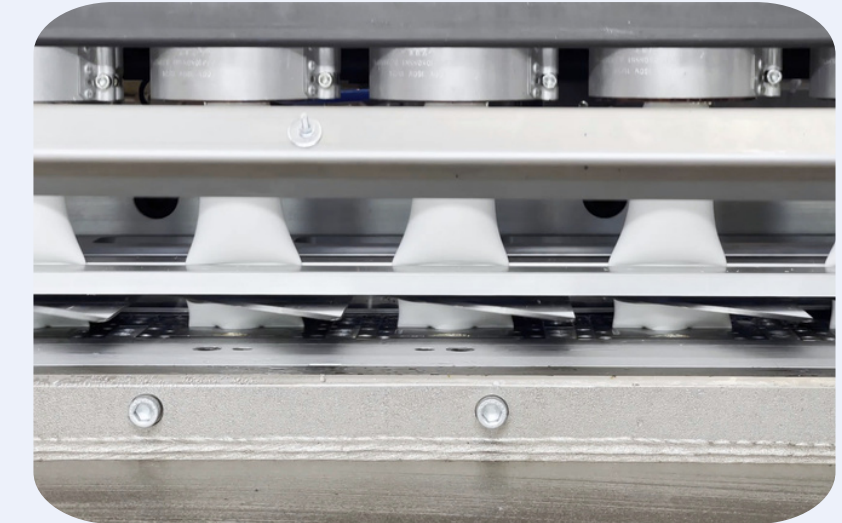
2) Extrusion head

In the extrusion head, the molten plastic passes between the mandrel and the die, where it is formed into a tube (parison) with controlled wall thickness and diameter.



3) Parison

The parison is extruded downward, ready to be inserted into the mold.



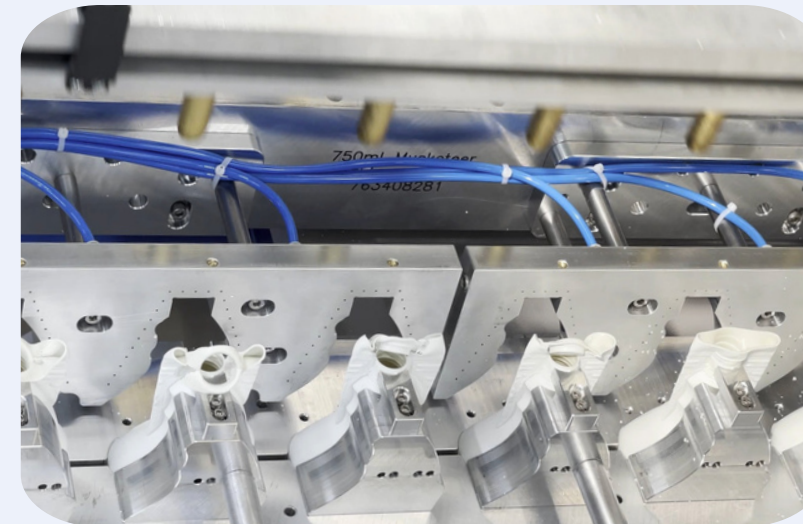
4) Parison cutting

The parison is cut to the correct length and transferred into the mold, ready for sealing and blowing.



5) Blowing in the mold

The mold closes around the parison, sealing its ends. Compressed air inflates the parison against the water-cooled mold walls, shaping the container.



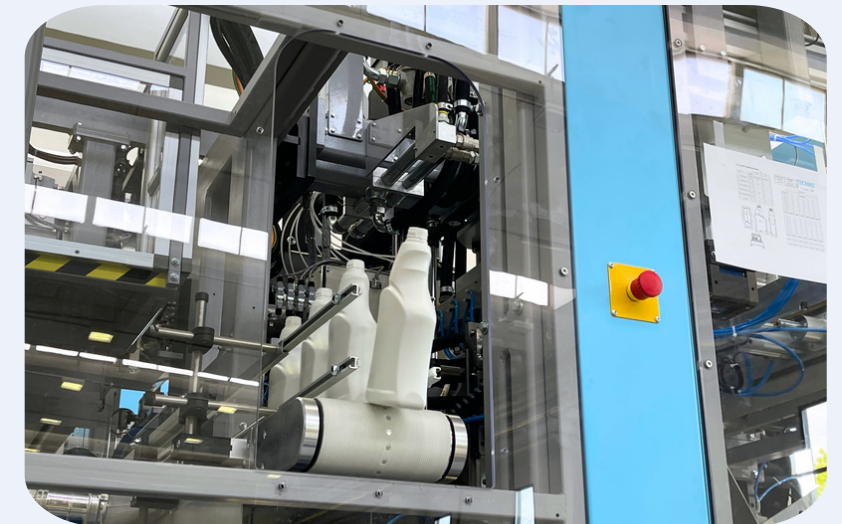
6) Deflashing

Excess plastic material formed in the welding and mold closing areas during blowing is removed.



7) Part removal

After trimming, the pickers remove the containers from the mold and transfer them to the conveyor belt.



8) Product discharge

The containers are placed by the pickers onto the conveyor belt and move toward the exit.