



Fully Automated Large-Volume PP Bottle Line - Blowing, Washing, Filling, Sealing



The IVEN Pharmatech Engineering Automatic PP Bottle IV Solution Production Line seamlessly integrates three essential components: the Preform/Hanger Injection machine, Bottle Blowing machine, and the Washing-Filling-Sealing machine. Engineered for automatic and intelligent operation, it ensures stable performance and easy maintenance. With heightened production efficiency and reduced operational costs, this production line delivers high-quality IV solution plastic bottles, establishing itself as the optimal choice.

The IVEN Pharmatech Engineering Plastic Bottle Blowing machine is specifically designed for molding IV bottles and other PP bottles. Its multifunctional stations include preform loading, preform heating, preform delivery, blowing, and bottle extraction.

The IVEN Pharmatech Engineering XGF PP Bottle LVP Wash-Fill-Seal Machine features three stations encompassing ionic air washing or a combination of ionic air with WFI washing, constant pressure filling, and hot melting sealing. Primarily designed for washing, filling, and sealing the production of PP plastic soft and hard bottles for large-volume parenterals such as glucose, sodium chloride, sodium chloride and glucose, metronidazole, etc. This sophisticated machine ensures precise and hygienic production processes.

Product Features

- Servo driver and stable during high-speed movement, the positioning is accurate, durable, and the maintenance cost is low.
- The cam clamping fingers without plastic scrap and powder to ensure product quality.
- High production capacity: range from 4000-15000 bottles per hour.
- Closed integral chain structure, precise center distance, rings and other foreign objects cannot enter the chain, easy maintenance.

- The sealing no air leak, improve the blowing efficiency, shorten the bottle forming time.
- With precise filling; accurate air discharging, can control the degree of deformation of the bottle after sterilization.
- No bottle no filling, no bottle no capping.
- It can reach capacities up to 15000 BPH, depending on the customer request.
- There are different types of caps which can be applied to the final bottle: Sealed Euro cap, sealed Irrigation cap, screw cap; Stopper and Aluminum cap.
- It has a complete GMP-compliant cleaning and sterilization function.

Technical Specifications

Item	Data
Production capacity	2000~20000 bottles/hour
Specification	50~1000ml round or other shape PP bottle
Bottle washing	ionic air washing, or ionic air and water washing
Main filling medium	Liquid such as large volume infusion
Filling error	±1%
Liquid filling temperature and pressure	40~55°C 0.6~2kg/cm ²
CIP/ SIP	125 °C--30 min
Air consumption (clean air)	Pressure: 0.6~0.8Mpa 180(120)m ³ /h
Cooling water	250L/h, 15~20°C
Noise	max.75dB
Electric capacity	18~35KW