

## ***Forming Filling and Sealing Pharmaceutical Machinery SED-BFS***



### **BFS technical advantages:**

- 1) Can avoid operator interference of aseptic production as possible as he can; can provide a higher level of sterility level protection;
- 2) Compact modular installation can make the clean room area greatly reduced;
- 3) Isolation and other technologies can reduce the level of its installation environment;
- 4) Computer and other control methods can realize a highly automated production;
- 5) Can be fully integrated with its previous and next production systems, can realize multiple production systems automatically and linkage operation.

BFS technology is a kind of sterilized filling technology, the machine can complete blowing, filling and sealing process in a single process under the sterile state. In other words, if provide qualified liquid and plastic particles from the outside into the BFS machine, it will be able to produce filled and qualified liquid in plastic bottles.

Comparing with the two-step method, there is no need to make and store empty bottles for this technology, it can provide stronger guarantee for sterile. Compared with the traditional glass bottle technology, there is no need to clean bottles and rubber plugs, no need to sterilize, so it can save water, steam and energy. It can also reduce human mistakes. Moreover the raw material PP and PE are high quality, stable and reliable, they are more suitable for drug packaging.

**Technological parameters:**

Product name	IV Infusion BFS Set Machine
Max capacity	6000 bottles/hour adopt frequency conversion for adjusting speed
Specification	100-1000ml plastic infusion bottles (BOPP bottle or vertical soft bag) and matching plastic cap
Bottle-air washing number	30
Water washing number	30
filling number	18
Cap-sealing numbers	30
Washing effect	Qualified rate of washing $\geq 99.8\%$
Metering error	$\leq \pm 1\%$
Welding effect	After sealing, the deviation between the position of bottleneck and cap $\leq 0.4\text{mm}$ ; cap-sealing pass rate $\geq 99.9\%$
Total power	About 20Kw
Gas consumption	0.6Mpa, about $260\text{ m}^3/\text{h}$
Water consumption	Purified water $\geq 0.2\text{MPa}$ , about $0.7\text{ m}^3/\text{h}$
Overall dimension	(L×W×H) 4500×2000×2200mm