

## SPY15/12 *plastic bottle IV solution production line*



### Technical Parameter:

capacity	12000 bottles/ hour
Specification	50-500ml Plastic bottles or irregular plastic bottles
quantity of washing	12
quintity of filling	15
quantity of sealing	24
main filling medium	liquor such as large capacity
filling error	±1.5%
liquor temperature and pressure	55°c
CIP/SIP	125°c-30min
gas cinsumption	pressure0.6-0.8mpa 120m3/h
cooling water	250l/hour
noise	max.75db
powder	28kw
overall size	5700*2100*2200mm

## **Function Features:**

1. Bottle entering :adopts blocked orbicular conveyer belt, it's conjugated by import hold-in range and special slide rail , so can ensure the stationary of bottle entering.
2. Main transmission system adopts import straight double guide slide rail that can exempt maintenance ,whereby the accuracy of positioning is high ,it reaches high speed ,smooth and reliable.
3. Cramping bottle: the bottle neck is cramped is cramped and located by the manipulator ,which is simple and for easy operating . The same manipulator cramp bottle to finish all procedure as washing ,filling and sealing ,etc.
4. Tracking:bottle washing and filling adopt servomotor for continues tracking , it has exact location ,quick speed and good centering.
5. Washing bottle: perfect washing system . according to the process remand can set multi washing processing ,as ion wind washing ,purified water washing ,injection water washing ,gas washing, etc. Use the cleaner to tracking spraying and put it insert to bottle inner, to ensure the quality of cleaning and speed of production.
6. Filling:Constant pressure filling technical provides with international famous filling valve, its filling precision is high ,no bottle no filling , can rushing nitrogen ,can realize CIP/SIP.
7. Taking Cap: Tacking caps through continuous spin and synchronous tracking , and set apparatus for getting rid of caps.
8. Heating and Sealing: Continuous spin tracking , double layer heat pane ,cap is centering with shaft. Use TPM alternating current control technique to realize intelligent temperature control, and the use temperature to control mechanical pressure .When the pressure is arrived it can be welding . It has uniform bound surface sealing, high cap welding qualification rate. And this machine is set a function--no bottle no cap sending.

## **vantage of production:**

the special vantage for this production line is :

1. There are import servo tracking washing ,import servo tracking filing and tracking sealing ,it has high precision and efficiency.
2. There are import straight slide rails that can exempt maintenance ,it runs on an even keel and its reliability is very good.
3. Use ion wind to divide the static electricity ,it has high bottle washing qualification rate.
4. The filling procedure can realize cip/sip
5. Adopt import diaphragm control valve to fill. the quantity of filling is exact, can realize no bottle no filling.
6. Washing cap with ion wind ,assume the function of no bottle no cap sending.
7. Double import heat pane make the heating bottle and cap center with shaft, it has high cap welding qualification rate.
8. high speed ,large capacity and little area covered.
9. high qutomatization stage ,convenient maintenance ,easy operation.