



APFS3500 Filling and Plugging Machine for Pre-sterilized Syringes



Automatic machine firstly developed in china by zhonghuan, Features include automatic syringe nest-tubin-feeding, automatic vacuum filling, automatic vacuum plugging and automatic operation with monitoring all the way. Beside normal liquid, also suitable for filling transparent thick liquid like ester acid.

This machine is suitable to pre-sterilized syringes (SCF type) made by BD, BG, SCHOTT and major Chinese suppliers. Custom-designed is optional for other types of syringes.

Five sync filling nozzles. Four sets of servo motors (YASUKAWA, Japan) for accurate filling, plugging reliability and accurate row by moving during filling operation.

SS rotating pumps. Filling volume set-up and accuracy tuning are executed on touch-screen without any tools.

Siemens color touch screen. Real time monitoring and display of each operating status, vacuum pressure, nitrogen pressure, C/A pressure, fault alarm with position indication, fault indication and record. Multi-languages display

Plugging quality is monitored with MVS (machine vision system), to ensure higher acceptability (Option).

Process parameters can be timely printed, stored and retrievable.

All contact parts are of SUS 316L and medical silicon rubber. Machine is coated with SUS 304 and 6061 oxidated aluminum alloy.

Technical Specifications

- Filling volume : 0.1-0.5ml,0.5-3ml,10-30ml
- Filling nozzle : 5sets
- X travel distance: 900mm
- Printer: Hot-sensible printing paper, width 56mm,max.20alphabets per line
- Machine vision system resolution(Option):752x480dpi
- Vacuum : 0-98Kpa(0-750mmHg)
- Nitrogen: 1kg/cm²,0.1m³/min
- Power supply:3P 380V/220V,50-60Hz,5.5Kw
- Dimension: 3050x1600x1900mm
- Net weight: 950Kg