

SED-2YGF-K Vacuum Liquid Filling Machine for Prefilled Syringes



This automatic packaging equipment is specially designed for aseptic and efficient filling of prefilled syringes. The machine operates smoothly with intelligent detection devices, offering high automation, excellent work efficiency, and easy maintenance. It is the ideal solution for filling and plugging prefilled syringes.

Features

- Wide compatibility with SCF (prefilled syringe) syringes from BD, BG, SCHOTT, and major domestic manufacturers. Customizable for other syringe types.
- Constructed with SUS304 stainless steel surface and SUS316L stainless steel contact parts with medical silicon rubber, meeting GMP specifications.
- Ceramic plunger pump ensures quantitative filling with resistance to acid, alkali, corrosion, and high temperatures, delivering high filling accuracy.
- Vibratory feeder made of SUS316L stainless steel clean plate for conveying and sorting rubber plugs, featuring bright surface treatment with no clean dead corners.
- International-grade electrical components with interference-free modular control. Servo motors ensure accurate, reliable synchronous actions for automatic filling and stoppering.
- PLC programming controller manages motor operation with real-time monitoring via human-computer interface, including automatic fault alarms and location display.
- Multiple filling doses and methods available with optional material front-end functions.
- Injection needle filling with liquid level rising prevents medicine splashing.
- Vacuum filling system ensures bubble-free filling of viscous materials, improving finished product quality rate.
- Vacuum stopper system minimizes particle generation from rubber stopper vibration and friction, ensuring close contact with liquid surface.

- Modular design for easy positioning and expansion, suitable as stand-alone equipment or connected to nesting machines.

Product Parameters

Applicable Materials	Liquid and ointment
Applicable Syringe Specifications	0.5,1,2.25,3,5,10,20ml
Number of Filling Heads	2
Number of Capping Heads	2
Filling Accuracy	$\leq \pm 1\%$
Production Capacity	1200-1800 p/h
Total Power	3.5KW
Voltage	380V/220V 50-60Hz
Compressed Air	0.55-0.75Mpa 15L/S
Dimensions	L1088*W858×H1800mm
Total Weight	500KG