

## *KFG4 Injectable Powder Filler Stopper*



KFG4 Injectable Powder Filler Stopper is a new generation of high speed screw filling machine and stoppering machine which is developed based on the former 4 head powder filling machine. It adopts graduator system to conduct high speed filling process. KFG4 Injectable Powder Filler Stopper consists of turntable, linear conveyor system, graduator, 4 head filling device, roller type stoppering device, bottle outlet track and electric control system. Its servo motor drives the 4 filling augers to fill with the help of graduator positioning system.

### **Features:**

- Filling speed is high, servo motor driven, the filling precision is high;
- Plate type conveyor, star wheel and graduator linked together firmly, stable running and précised positioning;
- Different type of filling augers meet different the needs of filling different powder;
- PLC control the whole process, high automation degree;

- Touch panel control, can set the filling dosage without stopping the machine
- Speed controlled by inverter;
- Falling bottle auto reject; no bottle, no filling; no stoppers, auto stops; insufficient stoppers alarm;
- Auto counting function;
- Auto stop filling when filling auger touches filling nozzle and alarms;
- Changeover is easy. Filling dosage adjustable;
- Optional acrylic glass hood, laminar flow, sealed air outlet device;
- Optional pre-fill and after-fill nitrogen filling device;
- Designed according to GMP requirements.

Through turntable and the conveyor, the bottles will be transferred to the graduator, and then the powder conveying screw and the filling screw will fill the powder into the vial according to the preset parameter of the electric control system. Finally, the bottles will be added stoppers and then sent to the bottle-reclaiming tray.

#### Technical Parameters:

Model	KFG4
Suitable vial range	7-30ml (tubular or molded vial)
Power supply	220V 50Hz
Total power	3kw
Filling error	≤2%
Auto stoppering ratio	≥99.7%
Bottle breakage ratio	≤0.1%
Single machine noise	≤70dB
Vacuum degree	-6×10 <sup>-2</sup> Mpa; 14m <sup>3</sup> /h
Dimensions	2850×1000×1800mm
Weight	800kg