

## *XKGF auger type powder filling Machine*



XKGF auger type powder filling machine is a special device used for filling powders in the pharmaceuticals.

This machine adopts step motor controlled by PLC to drive the filling auger. The setting of filling quantity is inputted by the keyboard. It features adjustable filling weight without stop machine, no filling with lacking of vial, automatic stop filling when the filling auger being in contact with metal shell as well as display of fault indicator in the touch screen. This machine is also using a vial feeding mechanism with dividing plate which features simple and safe in construction, wide range of adjusting filling weight, less errors of filling weight, middle output and applicable to filling different powers and agents. The 100 class laminar flow can be provided accord to requirements of clients.

### **Main Structure:**

The filling machine is composed of frame, mechanical-driver system, vial in loading and unloading mechanisms and control system, etc.

- 1) Inlet vial mechanism consists of vial loading disk and transmission chain etc. The vial is transmitted via loading mechanism to disks for filling.
- 2) The filling head is the key part of the machine, it consisted of control system, servo motor, auger, funnel, mixer and automatic controller to protect from PLC. It is made of stainless steel material conforming to G.M.P. The setting and correction of filling weight is input by keyboard featuring filling volume regulation without stopping the machine.

3) The machine is equipped with electronic automatic monitoring device. The filling operation can be immediately stopped when there are foreign matters in the powder or when the auger suffers friction with the bucket, the machine can stop automatically with alum displaying.

**Main Technical Parameters:**

Application:	5-25ml vial
Auger numbers:	2
Productive capacity:	80/200 bottle/min (10ml vial)
Filling weight range:	0.05~25g
Filling error:	$\leq\pm 3\%$
Vacuum:	$6\times 10^{-2}$ Mpa
Air-bleed speed:	20m <sup>3</sup> /h
Power consumption:	1Kw
Main power:	380V 50Hz
Purifying stage:	100class
Weight:	approximate 600kg
Overall size (L×W×H):	1480×970×2160 (mm)