

ACF-180 Automatic Capsule Filling Machine



Machine identity:

1. Tamping filling, get better accuracy and more average weight.
2. Vacuum pump using German made dry pump, oil free to gain the usage of the pump, it also easy to clean and maintaining.
3. Filling weight adjustable.
4. Use 2 hi-precision indexing drivers.
5. Additional large filter to gain the filter effect making the longer usage of pump and little maintaining, cleaning.
6. Fills the powders that running un-smoothly, such as Ganoderma Lucidum, pollen, and royal jelly etc.
7. Good quality, easy maintaining and operation, Mould changing VCD goes with machine
8. IQ/OQ documents are available.
9. Machine surface made with stainless steel, clean and tidy, good looking and practical. Meet cGMP requirement.
10. Safety devices: Drug powders hopper and empty capsule hopper in low level or operator open the acrylic door, the machine will stop automatically.
11. Pellets and tablets equipment may set while need.
12. Unit goes with touch panel, control by PLC.

Described:

- Empty gelatin capsules are fed from a storage hopper to the rectifier, and inserted with the aid of vacuum into one of the 10 sets of carrier segments each carrier segment holds 18 empty capsules.
- The carrier segment's upper holder holding the caps is now lifted separation of cap and body is assisted by vacuum
- The upper holder starts retracting while the lower proceeds to the dosing station.
- Complete retraction of the upper holder is done at this station

- Powder slug is inserted into the capsule body; when there is no capsule body held at the lower holder, the powder slug will be further pushed downward and collected in a receiver tray
- Ejection of un-separated capsule or the up-side-down capsule caps is performed with an aid of upward stroking rods
- Upper holder starts moving outward to the position above the lower holder
- At this station, while upper and lower holders are closely matched the capsule bodies are pushed upward into the caps by steel rods
- Now the closed capsules arriving at this station are again pushed upward by the other steel rods and leave the carrier segment
- Carrier segment is vacuum-cleaner and proceeds to the capsule insertion station

Technical Data:

Capacity	120,000 / hr
Capsule Size	#00, #0, #1, #2, #3, #4, #5
Power supply	220/380V, 3 PHASE, 50/60Hz
	(For customer to designate)
Power Consumption	220 V 12A
	380 V 6.6A
Main Drive	2 HP
Auger Drive	1/2 HP
Vacuum Pump	1- 1/2 HP
Net Weight	1,530 KGs
Cross Weight	1,750 KGs
Dimensions	956 x 1096 x 2030 mm (L x W x H)
Export Packing	1700 x 2100 x 2180 mm (L x W x H)