



Auger Powder Filler Machine SBAF-D-100



Automatic Auger Type Dry Syrup Powder Filling Machine is a compact model used for filling Dry Syrup Powder in bottles.

The incoming dry bottle sterilized is fed through the in feed Turn Table with suitably guided on the moving delrin flat conveyor belt at the required speed for feeding. There are two separate filling head mounted on machine top plate in the same line. When bottle reaches to the first filling station, it will be held by the pneumatic bottle holder. Immediately it will be sensed by the bottle sensor as soon as it gets signals from sensor magnetic clutch starts to rotate which is mounted on auger shaft. It will fill the desired amount of powder to the bottle through auger, where rotation time is previously saved in PLC control. After filling of first bottle pneumatic piston goes back and release the first bottle to move on conveyor, By the same time second bottle also moves along with the first bottle in empty condition. In second filling head same operation will be performed but this time second bottle get filled and first bottle moves further for next operation. The main advantage of this machine is Pneumatic bottle holding system is directly connected with Auger rotation, so till bottle get filled with powder as per set value pneumatic system will not going to release the bottle.

Silent Features:

- Total Compact c GMP model.
- All parts and assemblies coming in contact with powder and rubber stopper are made of S.S.316 and easily removable for mandatory Autoclaving/ Sterilization.
- "NO BOTTLE, NO FILL" System eliminates wastage of costly powder.
- Conveyor driving is through High quality imported Gear motor
- Machine speed can be adjusted by A.C. Frequency drive, which is time saving.
- Machine is provided with delrin conveyor belt to avoid sticking of vial on conveyor.
- Single track bottle movement, reduces setting of supporting guide rails and semi skilled person can also easily operate the machine.

- Pneumatic bottle holding system is connected with auger rotation, which eliminates chances of bottle transfer before completion of filling operation.
- No change parts are required for any change in bottle diameter from 30 to 120 ml.
- Imported Gear Motor for Conveyor drive.
- A.C. Frequency drive for Conveyor drive.
- "No Bottle, No Filling" System.
- Pneumatic bottle holding system.

Technical Details:

Model	SBAF-D-100
Direction	Left To Right.
Production Rate	Up to 60 to 80 Bottles / Min.
Fill Capacity	10 grms to 50 grms. (with different set of Auger and funnel) Fill range depending upon Bottle opening and bulk density of powder.
Accuracy	± 2% depending upon consistency and the Uniformity of bulk density of powder under controlled level of Humidity (i.e.35%)
No. of Heads	Two
Electrical Supply	2.00 HP For Main Drive.
	0.25 HP for conveyor
Power Requirement	440 Volts, 3 Phase (4 wire System) 50 Hz.
Height of Conveyor	Adjustable from 850 To 900 mm
Dimensions	2200 (L) X 1102 (W) X 1817 (H) mm
Net Weight	550 KGS. (Approx.)
Gross Weight	800 KGS. (Approx.)
Bottle Diameter	25 MM To 70 MM MAX.
Height	55 MM To 110 MM.
Pneumatic Air	Filtered, oil free, sterile low pressure AIR at 6 kg/cm ²