

Capsule Filling Machine



Description

Mini Cap is India's First Automatic Bench-top Capsule Filling Machine for Powder and Pellet Filling. The machine has been designed to fill Hard capsules and is incorporated with PLC controls and is designed as per GMP and CE standards(OPTIONAL). Basic Machine for R & D Laboratories, F & D Scientists, Process Development Laboratories.

Its compact size and its design it is easy to install the machine on any work bench. The work cycle is totally automatic and is controlled by Programmable Logic Control (PLC).

Currently Capsulation R&D is still in to early 1980's of Tableting, wherein researchers used Single Punch Reciprocating Type of Tablet Press. Similarly, today 90% of the researchers are using manual Capsulation Equipments which are in gross violation of a "Correct Scale Up of the Process".

Most of the Production Scale Encapsulation Machines of capacity of more than 10,000 Capsules/ Hour (Viz. "KARNAVATI" KR 40 Model Tamping Type) are FULLY AUTOMATIC either Tamping (80%) Type. India's first machine launched Globally is the only machine available which would change the way most researchers do their Hard Gelatin/Veg. Starch Capsulation Research.

Most of the R&D Scale Encapsulation Machines of capacity of more than 3,000 Capsules/ Hour (Viz. "KARNAVATI" MINICAP Model Tamping Principal) are FULLY AUTOMATIC and Operator. India's first machine launched globally is the only machine available which would change the way most researchers do their Hard Gelatin/Veg. Starch Capsulation Research.



Salient Features

- ✓ Easy to Use
- ✓ Mini Compact Size
- ✓ Human Touch Free Capsulation
- ✓ Maximum Output of 3000 Capsules / Hour
- ✓ Auto Rejection of Un – Opened Capsules
- ✓ Fully Automated Capsulation Work Cycle
- ✓ Change Over Time 50 Minutes
- ✓ All Contact Parts of SS 316
- ✓ Machine manufactured as per CE , CGMP, GAMP Norms
- ✓ Minimum BULK required for Trial is 100gms. (0.7 to 0.8 gm/cc TBD)



Technical Specifications

- ✓ Model Mini cap
- ✓ Capsules/hr. (Max)* 1500/3000
- ✓ Capsule Size 00-0-1-2-3-4
- ✓ Power supply 230v, Single Phase, 50/60 Hz
- ✓ Main Motor 0.09 KW, 1350 RPM, 230 V, 3 Ph
- ✓ Vacuum pump 6/7.2 m3/hr
- ✓ Vacuum System Inbuilt
- ✓ Dust collector(optional) Flow 2800 LPM, Max. vacuum- 500 mm of water, filter: 5 micron
- ✓ Compressed air 50 liters/min, working pressure 1-5 bar
- ✓ Net weight in kg. 152
- ✓ Machine size in mm. 643×635×873
- ✓ Case size in mm 864 × 610 × 1194
- ✓ Possible dosing combinations Powder ; Pellets ; Tablets (optional) and all possible combinations (optional)
- ✓ Environment temperature 20-25 degree Celsius
- ✓ Relative humidity 40-50 % RH

Technical Data

Possible Combinations STD	Powder
	Pallet
	Powder + Pellet (Tablet attachment is optional if required.)
Room Condition	RH -40-50 %
	RT – 20-25 0