Semi Automatic Capsule/Tablet Counting & Filling

MODEL PCI 1500

Semi Automatic capsules/tablets counting and filling machine Model PCI 1500 is ideal for small-scale scale production. It is a compact, occupies minimum space, simple to operate and easy to maintain.

OPERATION

Filled capsules/tablets are fed into the hopper. The amplitude of vibration can be controlled to synchronize and achieve the required counting speed. The capsules/tablets are counted in the vibrating tray and are guided to the capsule/tablet filling station with the help of the conveyor belt. While traveling on the conveyor belt, the capsules/tablets are counted, and filling is achieved by the filling nozzles for continuous counting and filling. The capsule is sucked by the suction blower attached to the polishing brush. This helps the operator to inspect and sort out the rejected capsules from the inspection belt.

SALIENT FEATURES

- Product contact parts SS 304 / SS316 / SS 204 quality (except rotary table).
- Photoelectric Fiber Optical Sensor/Scanner provides high accuracy, reliability and reduced operator fatigue.
- Photoelectric Fiber Optical Sensor/Scanner is provided at the filling station.
- The photoelectric scanner counts the pre-determined quantity of the capsules/tablets and stops automatically until the next container is placed underneath the filling nozzle.
- Filled capsules/tablets are fed into the hopper for counting and filling. The amplitude of vibration can be controlled to synchronize and achieve the required counting speed. The capsules/tablets are counted in the vibrating tray and are guided to the capsule/tablet filling station with the help of the conveyor belt. While traveling on the conveyor belt, the capsules/tablets are counted, and filling is achieved by the filling nozzles for continuous counting and filling. The capsule is sucked by the suction blower attached to the polishing brush. This helps the operator to inspect and sort out the rejected capsules from the inspection belt.

Capillary Inspection-Cum-Polishing Machine

OPERATION

The capsule inspection and polishing machine is designed basically to inspect and polish capsules after powder filling operation prior to final packing. The rotary spiral principle of polishing ensures a high gloss finish even with hygroscopic powder.

- Filled capsules travel from the hopper to the vibrating tray and passes through the inspection belt, which is provided with Light arrangement for visual inspection of damaged or rejected capsules prior to polishing.
- The capsules travel a zigzag way on the inspection belt. While traveling on the inspection belt, S.S. Strips provided on the inspection belt rotate the capsules. This helps the operator to inspect and sort out the rejected capsules from the inspection belt.
- After passing through the inspection belt, the filled capsules are sucked by the spiral brush through a funnel. Filled capsules pass through spiral brush. The powder is sucked by the suction blower attached to the polishing brush. The capsule inspection and polishing machine is designed basically to inspect and polish capsules after powder filling operation prior to final packing. The rotary spiral principle of polishing ensures a high gloss finish even with hygroscopic powder.

SPECIAL FEATURES

- Simple to operate. Can be handled by semi-skilled operator.
- Easily removable parts.
- Shiny, lustre finish for durability and long-life.
- Designed to polish all sizes of capsules.

MACHINES CAN BE SUPPLIED FOR 220 VOLS 50Hz 120-240 VOLS 50Hz & 240 VOLTS 60Hz AS PER CLIENT’S REQUIREMENTS

Pharma Chem Industries offers comprehensive technical consultancy and advisory assistance if required. Necessary personnel training and assistance are provided as after-sales support.

As the design and manufacture of Pharma Chem Industries machines are subject to continual improvement, the product supplied may differ in some details from the specifications and illustrations given here.
Automatic Capsule Loaders

GENERAL
This equipment has been rated as ideal for small/medium scale Pharmaceutical units. The design is user-friendly. The equipment is simple to operate and it is time and labour saving.

The Automatic Capsule Loader is compact, occupies very little space and easily移动. It gives higher production at a lower cost and with much better standards of accuracy than the earlier semi-automatic machines which are being phased gradually in most units.

Pharma Chem’s AUTOMATIC CAPSULE LOADER can make a significant difference in your production department.

OPERATION
1. Fill hopper with empty capsules.
2. Place hand-filler loading tray with guide on the sliding base plate.
3. When the machine is switched on, the capsules automatically get nested in the tray with the cap up and body down.

MODEL PCL V28 (VERTICAL)
OUTPUT
Capsules per 8 hour shift: 35000 - 40000
Dimensions: 490 mm (L) x 630 mm (W) x 985 mm (H)
Net Weight (Approx): 100 kg.

The base and covering of the machine are fabricated in Stainless Steel 304 and duly polished. The machine conforms to cGMP norms.

MODEL PCL H14 (HORIZONTAL)
OUTPUT
Capsules per 8 hour shift: 55000 - 60000
Dimensions: 600 mm (L) x 685 mm (W) x 1015 mm (H)
Net Weight (Approx): 120 kg.

The base and covering of the machine are fabricated in Stainless Steel 304 material and non-contact parts are made out of non-corrosive metal duly polished or painted. Machine with SS 316 / SS 316L contact parts are also available as option.

INTERCHANGEABILITY
Interchangeable parts can be supplied for all standard size capsules.
Recommended interchangeability for soft/filled:
00/00 ; 0/1/2 ; 3/4/5.

Manual Capsule Filling Machine

GENERAL
This is the optimal capsule filling machine suitable for all classes of Pharmaceutical Manufacturers. Additionally, it has also established its value in the R&D section of large scale Pharmaceutical Companies where it may be used for smaller batches, trial runs and as a standby. The equipment is simple to operate, and gives negligible rejections, with no weight variations.

OPERATION
1. Fill loading tray with empty capsules.
2. Place tray in bed.
3. Operate cam handle to separate capsules cap from body.
4. Place powder tray in position, fill with accurate quantity of powder and spread with scraper.
5. Operate lever to lock capsule cap and body.
6. Remove tray and empty filled capsules.

MODEL
PCF - 300SS / PCF - 300 STD (300 holes).
PCF - 100SS / PCF - 100 STD (100 holes).

Stainless Steel model: The machine is fabricated in Stainless Steel 304 material. Standard Model: All contact parts are made out of Stainless Steel 304 material and non-contact parts are made out of non-corrosive metal duly polished or painted. Machine with SS 316 / SS 316L contact parts are also available as option.

Decapsulation Machine

Salient features
- No Crushing of capsules.
- Perforated Drum with Spirals for POWDER and SHELL separation.
- Compatible for all sizes of capsules, by using appropriate change parts.
- Single Phase Power Supply
- Enclosed design preventing fine dust pollution.
- Speed variation using AC Variable Frequency Drive.
- Easy in cleaning.
- Wheel mounted for easy movement.

BONFIGLIOLI Gear motor
0.25 HP, 220V, 1440 RPM, 1 Phase, 50Hz
600 mm (L) x 460 mm (W) x 1450 mm (H)
100 kg

Main Drive Motor - BONFIGLIOLI Gear motor
Specifications:
0.25 HP, 220V, 1450 RPM, 1 Phase, 50Hz
(2) 130 x 130 mm
Floor Space (Approx): 600 mm (L) x 460 mm (W) x 1450 mm (H)
Weight (Approx): 100 kg