



A complete Encapsulation solution

Encapsulation is the filling of capsule with the desired drug. It is done using tamping principles. The powder formulation is formed into a slug which is delivered to the body of the capsule. The process ensures encapsulating hard two piece capsules with precise dose, gives better weight control and with improved yield. Automatic capsule-filling machines are designed to cater to a wide range of formulations with powder / granules, pellets / sustained release spherical pellets, tablets, filled capsules and combination of these.

Automatic capsule-filling machines are capable of encapsulating wide range of capsules from size 000 to size 5 hard two piece capsules with a varied output range of 25000, 40000, 90000 and 150000 capsules per hour.

These machines are provided with productivity enhancing features, which can be handled by a single operator.



Powders / Pellets / Tablets / Combination Filling

SAF-DL 10

Semi-Automatic Capsule Filling Machine - Double Loader



Features:

- Automatic loading and filling minimizes operator attention.
- Double loading station to ensure highest output.
- Machine is operated through PLC with display of various parameters.
- Special hopper design is easy for dismantling and cleaning.
- Easy changeover of change parts (maximum 15 minutes required to change).
- Complying to cGMP standards.
- Automatic closing and ejection of filled capsules to ensures operator's safety.

SAF-SL 10

Semi-Automatic Capsule Filling Machine - Single Loader

Features:

- Automatic loading and filling minimises operator attention.
- Single loading station to ensure higher output.
- Machine is operated through PLC with display of various parameters.
- Special hopper design is easy for dismantling and cleaning.
- Easy changeover of change parts (maximum 15 minutes required to change).
- Complying to cGMP standards.
- Automatic closing and ejection of filled capsules to ensures operator's safety.



CL 90

Automatic Capsule Loader - Vertical / Horizontal

Features:

- Ideal for small / medium scale pharmaceutical units which can make a significant difference in your production unit.
- This machine is compact, occupies minimal space, easy handling and user friendly.
- More accuracy with economic production cost.
- The base & covering of the machine is fabricated from stainless steel with duly polished.
- Designed to fill all standard capsule sizes from 00 to 5.



HF 30

Manual Capsule Filling Machine



Features:

- Maximum output 55,000 - 60,000 capsules per 8 hour shift.
- Ideal for R&D section, small / medium scale pharmaceutical units.
- Simple operation, giving precise result with less rejection.
- Sturdy, easily movable.
- Interchangeable parts can be supplied for all standard size capsules from 00 to 5.d capsules to ensures operator's safety.

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DPM 100

Capsule Polisher



Features:

- The polishing chamber inclination are adjustable to suit the formulation.
- Provision of compressed air for cleaning the nylon brush.
- The polishing chamber is to be connected to a vacuum cleaner to suck the de-dusted powder from the polishing chamber.
- No change parts are required for different size of capsules.
- Easy to dismantle, wash and reassemble.
- Very little maintenance is required for this machine except for periodic cleaning.
- Mounted on a stand with locking type wheels and can be freely moved about and taken to any place for putting it in operation.

CW 20

Sample Checkweigher

CW 20 is a fully-automatic online sample checkweigher designed for statistical weight control to check samples of filled capsules. With an accurate weighing balance of up to 1 mg, the Sample Checkweigher guarantees against weight variations and ensures reliable results.

Features:

- Fully-automatic operation for sample collection, weighing & reporting
- Format free design with cGMP compliant
- Option available to select sample on time-interval basis & number of stroke-interval basis
- Automatic Report Printing as per given time.



ECSE 100

Capsule Sorter Elevator

Empty capsule sorter elevator is designed to transfer empty capsule to the machine capsule hopper.

Features:

- Small machine, occupying very little space.
- Sorts out diametrically defective capsules.
- Output of up to 120,000 capsules per hour, depending on the capsule-filling machine



FCS 100

Filled Capsule Sorter

Features:

- Simple, less maintenance and GMP compliant.
- Eliminate empty capsule, loose cap and body to ensure only filled capsules are in the output.
- No change parts are required for different capsule size.
- All components coming in contact with the capsules are made of stainless steel or other approved materials.
- Small footprint and easy movable.



MCS 100

Mini Capsule Sorter

MCS 100 is specially designed for automatic sorting of loose caps, loose bodies and diametrically defective filled capsules.

Features:

- Removes diametrically distorted capsules, loose caps, body and loose powder
- Compact in Size, taking up very little space
- All contact parts made of SS-316 and all aluminium parts are specially plated
- Sorts capsules of sizes 000 to 5

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ADU 100

Capsule De-Duster



A dust extraction unit, which is used for collecting loose powder from the polishing chamber. It is also used for cleaning operations on automatic capsule-filling machines.

Features:

- Quick clamping arrangement for vacuum chamber lid.
- Large surface area for filtration due to pleated filter bag.
- Provision of shaker to remove powder from the filter bag.

METAL DETECTOR

Metal detector

The **Metal Detector** are used for online inspection of capsules and separate metal contaminated product from them without production interruption from a stream of capsules and tablets.

Features:

- Automatic balance.
- Modular plug in card system.
- Product effect cancellation control.
- Adjustable sensitivity.
- Detect all types of metal.
- All contact parts are manufactured with approved material.
- Height and position adjustable system.



ES 100

Empty Sorter

Empty sorter is designed to sort empty capsules and semi filled capsules from the final filled capsules.

Features:

- Sorting of filled capsules and empty capsules.
- All contact parts **ss 304**.
- Integrated with speed controller blower.
- Can be sorted for capsule size "000" to size "5".
- Small and accurate.



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COST EFFECTIVE SOLUTIONS FOR YOUR CAPSULE FILLING MACHINES

Capsule Filling Machine-Change parts

FVE International are experts in manufacturing the change parts and spare parts of Automatic Capsule Filling Machine

Customer Benefit:

- Parts are retro-fittable/Interchangeable with 25T/40T/90T/150T of various other brand
- Economical so reduction in overall operational cost
- Reduction in product development cost
- Quick Delivery ensuring on time to market
- Free from monopolistic situation and not dependent on only supplier

Capsule Change Parts



Magazine with vertical finger



Rectifier Raceway



Horizontal Finger



Body Bush



Cap Bush



Capsule Closing Pin



Bush Cleaning Pin



Unopened Capsule Ejection Pin



Capsule Ejection Pin



Cap Segment for PF 150 / 150T



Body Segment for PF 150 / 150T

COST EFFECTIVE SOLUTIONS FOR YOUR CAPSULE FILLING MACHINES

Powder & Pellet Change Parts



Pellet Dosing Chamber



Dosing Disc



Tamping Pistons

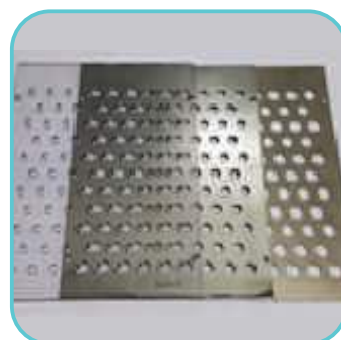
Line Machine Change Parts



MCS Drum



Sorting Plate - SE 100



Sorting Plate - MCS 100

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