

FULLY AUTOMATIC EYE/EAR/NASAL DROPS 3 PIECE PLASTIC VIAL LINE :**1) Combined vial Orientate, Filling & Dropper Fixing Machine :**

This machine is suitable only for plastic vials. It consists of a S.S. hopper mounted at the top for vial storage. The capacity varies depending upon the size and shape of the vials.

As the main star wheel made up of SS material mounted beneath the hopper rotates, the vials get orientated to the open side up position and are fed into the infeed star wheel through transfer chute.

The infeed star wheel feeds vials into the Filling unit.

Filling unit consists of Indexing type Six head Filling and rotary Dropper fixing mechanism.

A star wheel picks up Six bottles and transfers them to the filling station.

The state-of-art syringeless, Valveless, PTS (Pressure & time setting) filling system with PLC is provided.

Filling **Volume** can be adjusted in the **PLC screen** while machine is running.

As the vials halt at the filling station the filling nozzle sprays the set amount of fluid into the vials.

No vial-No filling control for each filling nozzle can be achieved in this system.

After filling is over, the releasing star wheel releases the vials on the feeder disc of the dropper fixing mechanism.

Then the infeed star wheel picks the vials one by one and takes it to the Dropper dispenser.

Here the dropper, which is coming from a vibratory bowl feeder, is placed on the mouth of the vial. Then the vial is transferred to the main star wheel.

As the main star wheel rotates the plunger comes down and presses the dropper to the required depth.

After dropper fixing is done the exit star wheel releases the vials on the outlet conveyor.



FULLY AUTOMATIC EYE/EAR/NASAL DROPS 3 PIECE PLASTIC VIAL LINE :

Technical Details:

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|------------------|---|
| Type | CFL-120 |
| No. Of heads: | |
| Filling | 6 |
| Dropper fixing | 8 |
| Speed | 120 pcs/min |
| Filling | PTS –System |
| Filling Accuracy | ± 0.07ml (for 5ml) |
| Indexer | Rotodex |
| Motor | 1H.P.A.C /50Hz./Make: Siemens/Crompton- 2nos ½ H.P.A.C /50Hz. / Make: Siemens/Crompton-1no |
| Gear Box | SA237 / Make: Greaves - 3nos |
| Drive | AC Variable drive / Make: Telemecanique |
| Vibrator | Bowl dia 300mm |
| Power reqd. | 3.5K.W |

2. SCREW CAPPING MACHINE

General Details:

This machine consists of rotary screw capping system which consists of the following features.

An infeed star wheel picks up the vials from inlet conveyor.

As the infeed star wheel rotates, the vials pick up the cap, which comes from the vibrator through chute and feeds it into the capping unit star wheel.

As the plunger comes down, the capping head holds the cap, straighten it and then screw it properly applying required torque.

As the capping head goes up the exit star wheel releases the vials at the outlet end.

This machine is provided with A.C variable speed system and safety clutch mechanism.

Technical Details:

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|-------------|---|
| Type | RSC-120 |
| No.of heads | 8 |
| Speed | 120 bpm. |
| Motor | 1H.P.A.C /50Hz. / Make:Siemens/crompton |
| Gear Box | Type- A237 / Ratio-20:1 / Make:-Greaves |
| Drive | 1H.P AC Variable drive / Make:Telemecanique |
| Feed Height | 800--850mm. |
| Power reqd. | 1.5K.W |
| Vibrator | Bowl dia 400mm. |

Note : Images Shown here are illustrative. As the design & manufacturing of Machines are subject to improvement, the product supplied will be as per our Techno-Commercial offer.