

**Automatic Dropper – Cap - Stem Assembling Machine :***DROPPER-CAP-PIPETTE ASSEMBLING MACHINE*

DCF-150  
SDF-150

**General Details**

This machine consists of two units.

- a) Dropper Cap Fixing unit.
- b) Stem and Dropper Cap Assembling unit

**a) Dropper Cap Fixing unit.**

This machine works on 'Rotary Principle' in which Dropper-Cap fixing is done in a continuous running system.

As the Rubber dropper comes from a vibratory bowl feeder through chute a holding plunger picks it up and takes it to the plastic Cap dispensing unit.

As the main disc rotates the rubber droppers pick up the plastic Caps which are coming from the cap Vibratory Bowl Feeder through chute.

The pressing unit consists of a main disc and multi head cap holding and pressing system. The holding unit is mounted from the top where as the pressing unit is mounted at the bottom of the main disc.

As the main disc rotates the holding head plunger comes down and holds the plastic cap. Then the pressing head plunger moves upward and presses the rubber dropper to the required depth.

After fixing is done the disc releases it at the outlet conveyor.



## **Technical Details:**

1. Type	DCF-150
2. No.of head	24
3. Speed	150 Pcs/min
4. Motor	1.5H.P.A.C/ Make: Siemens/Crompton
5. Gear Box	SA287 / 60:1 / Make:Premium
6. Drive	1.5H.PACVariable drive/ Make:Schneider
7.Vibrator	Bowl dia 500mm-2nos SS-304
8. Feed Height	800-850mm.
9. Power reqd.	2.5K.W

## **b) Stem and Dropper Cap Assembly unit:**

This machine works on 'Rotary Principle' in which Rubber Cap fixing is done in a continuous running system.

As the Plastic stem comes from a vibratory bowl feeder through chute a star wheel picks it up and takes it to the Rubber Cap dispensing unit.

The assembled dropper- Caps which are coming from the outlet conveyor of the Dropper Cap Fixing unit is transferred in to the dispensing unit through chute.

As the star wheel rotates the Stems pick up the dropper caps from the chute and transfer it in to the Pressing unit.

As the pressing head comes down, the plunger holds the rubber cap, straightens it and then presses it to the required depth.

After fixing is done the star wheel releases it on the outlet end.

## **Technical Details:**

1. Type	SDF-150
2. No.of head	24
3. Speed	150 Pcs/min
4. Motor	1H.P.A.C/ Make: Siemens/Crompton
5. Gear Box	SA287 / 60:1 / Make: Premium
6. Drive	1H.PACVariable drive/ Make:Schneider
7.Vibrator	Bowl dia 500mm- 1no SS-304
8. Feed Height	800-850mm.
9. Power reqd.	2.5K.W



Other Details.

- 1) All contact parts, frame , control panel and covers are of S.S.304 materials.
- 2) Three vibrators-SS304 are used to feed Dropper, Cap and Stem.
- 3) The machine is provided with Acrylic Cabinet with interlock system
- 4) All the machines are controlled with **PLC touch screen system** Schneider Make with-NO LOAD and OVER LOAD sensors.
- 5) The machine is provided with A.C variable speed system Schneider Make and mechanical safety clutch arrangement.

**Note:- The machine output and performance depends on the quality of products. The specification and quality of Dropper, cap and Stem should be maintained.**

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**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.**