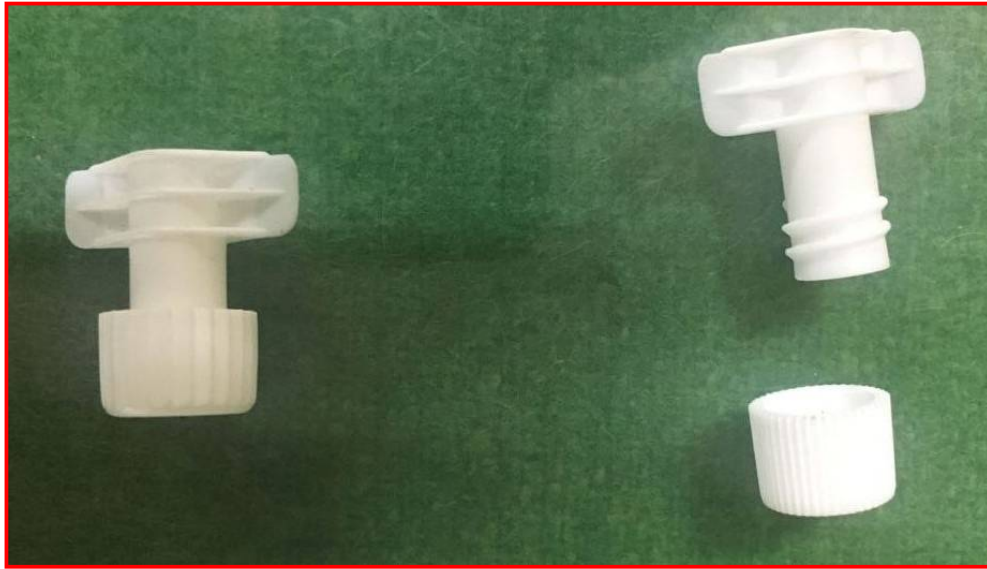


AUTOMATIC SPOUT ASSEMBLING MACHINE :**General Details:**

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

A vibrator feeds Shoulder on inlet conveyor and it transfers into main star wheel.

As the main star wheel rotates, the Shoulder picks up the cap which comes from Cap vibrator through chute.

As the screw capping head 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 star wheel releases the Spout on outlet conveyor.

If Uncapped Shoulder comes it will be ejected at the outlet end.

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

Technical Details:

| | |
|-------------|---|
| Type | RSC-250 |
| No.of heads | 18 |
| Speed | 200 pcs/min. |
| Motor | 1.5H.P.A.C /50Hz. / Make: Siemens |
| Gear Box | Type- A287 / Ratio-20:1 / Make:Greaves |
| Drive | 1.5H.P AC Variable drive / Make:Schneider |
| Feed Height | 800--850mm. |
| Power reqd. | 3 K.W |
| Vibrator | Bowl dia 450mm. – 1 No. SS-304 650 mm. - 1 No. SS -304 |

Control Details

All systems controlled with PLC ; Make Schneider

Display Keyboard unit ; Make Schneider

ON/OFF operation of all components through **PLC touch screen.**



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1. Main Motor ----- 1.5 H.P VFD A.C MOTOR ON/OFF/INCH
2. I/R SENSOR -1 ----- Intermittently sensing the flow of Spouts and switching off the AC motor if there is no Spout on the conveyor for the set time – 2seconds -ALARM
(Spout Sensor)
3. I/R SENSOR -2 ----- Intermittently sensing the flow of caps and switching off the AC motor if there is no cap on the chute for a set time - 2seconds with ALARM
(Cap sensor)
4. 1ph. AC /1/4 H.P motor for Inlet conveyor. ----- ON / OFF
5. Vibrator Controller for Spout ----- ON/OFF
6. Vibrator Controller for cap ----- ON/OFF
7. 24 V/DC single coil
Main SOLENOID VALVE for AIR. ----- In ON position when any one of the vibrator is ON.
8. Product Counter with I/R Sensor.
9. Door Interlock & Emergency Off is Provided.

GENERAL ARRANGEMENTS

- | | |
|---|---------------------|
| i) Inlet conveyor | -- Nylon endless. |
| ii) Vibratory Bowl Feeder for Cap & Spout | -- SS304 |
| iii) Main Star wheel. | -- Delrin |
| iv) Capping Head. | -- Al. with PU Bush |
| v) Cam Assembly. | -- EN-8 with H.Cr. |
| vi) Guide | -- Delrin |

Note:

- 1) The machine mentioned above is of Non G.M.P model.
- 2) Only contact parts are of S.S.304/Hcr/Fibre materials and all other items are of **M. S. with Powder coated.**
- 3) Machine is provided with A.C variable speed system and mechanical safety clutch arrangement.

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.