



## *Automatic Bottle Cap Sealing Machine HMPL-PRE-RBS*



### **Brief On Machine**

The Automatic Premium Bottle Cap Sealing System consists of main structure, product transmission belt with adjustable side guide, in-feed screw, star plates, sealing head, mechanical Vibratory Bowl, cap discharge chute, product's height adjustment screw, centralized lubrication system, isolated transformer, sensors, safety acrylic door, motor, electrical panel, PLC & HMI,. The complete operation is PLC based.

## Silent Features of Automatic Premium Bottle Cap Sealing Machine

The unit is made compact & versatile as per GMP norms.	The structure is made of MS cladded with SS 304.
Rigid vibration free construction for trouble free performance.	The mechanical driven system of the whole machine is through flange mounted motor and gear box. There is no usage of V belt, pulley. This ensures less breakages and thereby easy maintenance and high trouble free production output.
The complete synchronized mechanism is designed on spur gears instead of chains and chain wheel. This feature avoids time for machine setting frequently.	Totally synchronized PLC controlled system.
User friendly to adjust the different speed (products / minute) with the help of PLC and HMI.	The output speeds (PPM – products / minute) appear on HMI.
Few change parts are required for different products.	No products and no caps are detected by the sensors and give the alarm alert and machine stop itself.
Daily production ratio, production counter is given with the password protection.	There is a special designed mechanical vibratory bowl and chute with no cap sensors for continuous flow of the cap.
The faults such as no products, no caps appear on the HMI and can be attended easily.	Very less mechanical adjustment required due to the special design.
PLC modes are user friendly and can be operated easily.	User friendly and very less maintenance required.
Most reliable and proven components such as Festo/SMC make pneumatic and electrical/electronic such as Bonfiglioli/Motovario make AC motor, Delta/Allen Bradley make Drives, PLC & HMI, LEUZE/BANNER/SUNEX make Sensors, MCB & relay "X" make.	

## Technical Specification

Model	HMPL–PRE–RBS
Output speed	30 to 150 Products/Minute
Product Size	15 mm Ø to 90mm Ø
Cap Size	22 mm to 28 mm Cap (with the help of change part)
Sealing Head	1/ 4 / 6 / 8 Head
Working Height	850mm ± 50 mm Adjustable.
Power Consumption	2.5 KVA
Power Supply	3 Phase + Neutral + Earthing /415 V /50Hz
Air Supply	N.A.
Net Weight	650 Kg Approx.
Dimensions	2100 mm (L)x 950mm (W)x 2000mm(H) Approx.