

## **Rotary Volumetric Bottle Liquid Filling and R.O.P.P Machine PRFS-20/12**



Automatic Rotary Piston Filling Cum Sealing Machine is versatile, self-supported on stainless steel leg with height adjustable adjustment system. The liquid filling and sealing machine is precision built on sturdy welded MS frame completely enclosed in stainless steel sheet and doors are provided to facilitate the servicing of machine, work on volumetric principle with rotary motion. The unit is made compact, versatile and enclosed in stainless steel elegantly matt finish body. No container No filling & No Sealing system arrangement is standard features of the machine. The main drive of the liquid filling & sealing machine, conveyor drive & cap-feeding bowl consist of A/c Motor with synchronized variable A/c Frequency Drive.

### **Operation:**

Containers moving on SS Slat conveyor, feed below the filling nozzles through feed worm & in-let star wheel, Filling station consist of volumetric filling head and a central rotating liquid reservoir tank. This reservoir tank fed continuously with the liquid by external source. In-feed liquid controlled automatically by sensing the liquid level in the reservoir tank with the help of float switch to actuate pneumatically operated solenoid valve. Fill volume adjustment can be done by a screw, which changes the volume of all the syringes simultaneously. Fine adjustment of individual syringe is possible with the help of mechanism provided on top of the individual syringe. After filling star wheel bringing the container below the sealing head in the subsequent indexing part, meanwhile the bottle pickup a cap from the delivery chute of cap filling bowl, where the body and the neck of the container are positioned below the rotating head, where the sealing head is performing perfect operation of threading & sealing.

## Technical Specification:

Model		PRFS-20/12
Output/Hour*		4000 to 10000
Number of head/Syringe		20
Direction of Movement**		Left to Right
Fill Size***		30 ml to 200 ml
Electric Specification**	Main Machine	5 HP / 415Volts / 50 Hz.
	Oriental Bowl	0.5 HP / 415Volts / 50 Hz.
	Conveyor	0.75 HP / 415 Volts / 50 Hz.
Height of Conveyor**		910 mm to 960 mm Adjustable
Machine Dimensions**		3660 (L) x 1700 (W) x 2400 (H)
Case Dimensions		3850 (L) x 1900 (W) x 2400 (H)
Net Weight		2650 Kgs
Gross Weight		3250 Kgs
Change parts required		(A) Container: Star Wheel, Back Guide, Feed Worm, Nozzle
		(B) Cap: Die, Delivery chute.
		(C) Syringes (If volume higher/lower then specification)