

LRCS 45/100/150/200 Automatic Multi Head Screw/ROPP Cap Sealing Machine



LAXMI Automatic High Speed multi Head ROPP / Screw Cap Sealing Machine “LRCS” series, It is supporting to our range of Bottle Filling from Semi-Automatic/Automatic line Previously filled bottles with Dry Syrup Powder or Liquid Syrup are continuously fed from filling machine to the flat conveyor belt of sealing machine and move further through Infeed worm for correct spacing between two bottles and transferred to the Infeed star wheel.

ROPP / Screw caps kept in orientation unit automatically orient caps in right direction before entering into delivery chute. And Bottle is entering below the sealing head, consist of total four rollers. Two rollers properly Skirts, Spins and Seals the cap and simultaneously another two roller performs perfect threading according to bottle neck diameter. After sealing operation, sealing head moves upward with help of cam and bottle move with exit star wheel and Move further on conveyor belt for next operation.

The machine consist of turntable, S.S. slat conveyor belt, Feed worm, Bowl & Chute, Infeed & Exit Star plate & Back Guide, easy –reach compact panel and with no container – no cap, No sealing System etc. The Sealing unit and Cap orientation unit are mounted on two pillars which in turn are supported by top plate with individual height adjusting system and Damage cap quantity can be reduced by help of automation system. All its exposed parts are made of S.S. – 304. Its height can be adjusted to match other machines for efficient synchronization.

Technical Specification

- All Liquid Contact Parts are of S.S. 316, the Body Structure is built up of S.S. 304 Pipe.
- Single motor synchronizes conveyor, star wheels and platform turret and speed can be varied by the % speed pot on operating panel.

- A Special clutch device is incorporated on the in feed worm and Star wheel system for stoppage of machine in the event, vial is over turned or over diameter.
- Spring loaded free spinning sealing rollers eliminates any damage to aluminum caps and also allows greater flexibility of variation in the container neck diameter.
- Sealing Pressure can be varied to suit different gauges and sizes of aluminum caps.
- Digital Counter for counting number of sealed vials.
- No Bottle – No Cap, Machine Stop System.
- Damage cap quantity can be reduced by help of automation system.
- Star wheel is equipped with safety clutch for automatic stoppage of machine in case of jamming or over loading through micro switch.

Technical Specification

Model No.	LRCS 45	LRCS 100
Capping Heads	1 Heads	4 Heads
Output/ Min	40-50 VPM	60-80 VPM
Power Characteristics	Single Phase	440v 3 Phase 50Hz 4 Wire System
Cap Size	22mm / 25mm / 28mm	22mm / 25mm / 28mm
Filling Accuracy	±1 %	±1 %
Net Weight (Appx.)	250 kgs	550 kgs
Machine Length	1400mm	1600mm

Model No.	LRCS 150	LRCS 200
Capping Heads	6 Heads	8 Heads
Output/ Min	130-150 VPM	180-200 VPM
Power Characteristics	440v 3 Phase 50Hz 4 Wire System	440v 3 Phase 50Hz 4 Wire System
Cap Size	22mm / 25mm / 28mm	22mm / 25mm / 28mm
Filling Accuracy	±1 %	±1 %
Net Weight (Appx.)	870 kgs	950 kgs
Machine Length	1700mm	1700mm