

NKCS-60R Automatic Single Head Ropp Bottle Cap Sealing Machine



The NKCS-60R Automatic Single Head ROPP Bottle Cap Sealing Machine, exclusively designed by N.K Industries, Ahmedabad, India, is a cutting-edge solution that combines simplicity and efficiency. This machine features a single motor, which enables seamless coordination of the conveyor, star wheels, and platform turret, streamlining the sealing process.

With a capacity to deliver up to 50 bottles per minute, depending on the container diameter, the NKCS-60R ensures high productivity and meets the demands of fast-paced production environments.

The machine's versatility allows it to work with a wide range of container shapes, including round and square, requiring minimal change parts. This flexibility accommodates different packaging needs, offering convenience and versatility.

To ensure durability and easy maintenance, the NKCS-60R is constructed using AISI 304 stainless steel and aluminium alloy. These high-quality materials contribute to the machine's longevity and facilitate hassle-free upkeep.

Safety is a top priority, and the machine is equipped with features to protect operators and prevent accidents. It includes a Safety Clutch mechanism, a No bottle - No cap system, and can be optionally equipped with an Acrylic or Toughened Glass safety cabinet, providing an extra layer of protection.

Experience the efficiency, durability, and safety features of the NKCS-60R Automatic Single Head ROPP Bottle Cap Sealing Machine from N.K Industries. Enhance your production capabilities and streamline your operations with this reliable and innovative solution.

Salient Features:

- Compact and adaptable unit compliant with GMP standards.
- Parts in contact with bottles and ROPP caps made of AISI 304 stainless steel for hygienic operations.
- Single motor synchronizes conveyor, star wheels, and platform turret for seamless operation.
- Low power consumption for energy efficiency.
- Safety clutch device integrated into the star wheel system to prevent machine operation if vials are overturned.
- Background suppression sensor automatically stops the machine if there are no aluminum caps in the delivery chute.
- No Bottle - No Cap System ensures proper sealing only when bottles are present.
- Sealing pressure can be controlled and adjusted to accommodate various sizes of ROPP caps.
- Various cap feeding systems available, including vibrator feeder, mechanical orientator, or waterfall-type elevator.
- Fast and easy format changeover for quick transitions between container sizes.
- Distinctively designed position system prevents cap jamming.
- Precise counting arrangement aids in managing the production process effectively.
- Equipped with an emergency button for enhanced safety.
- All electrical and brought-out items are CE certified, ensuring compliance with safety standards.

Technical Specification:

Direction	Left To Right.
Type of Capping	ROPP Type capping
Production Rate	Up to 50 Bottles / Min depending upon container Diameter and height
Electrical Supply	1.25 HP
No of ROPP Capping Head	Single
Power Requirement	440 Volts, 3 Phase (4 wire System) 50 Hz.
Height of Conveyor	Adjustable from 800 To 850 MM
Dimensions	1200 MM (L) X 750 MM (W) X 1900 MM (H)
Net Weight	550 KGS (Approx.)
Gross Weight	740 KGS (Approx.)
Bottle Diameter	22 MM To 65 MM MAX.
Height	55 MM To 110 MM MAXIMUM.
ROPP Caps	22, 25 & 28 MM DIAMETER.(with help of change parts)