

NKIC-150P/250P/350P Automatic High Speed Inner Plug Capping Machine



N.K Industries takes immense pride in introducing our advanced series of Automatic High-Speed Inner Plug Capping Machines, which are specifically designed to apply plastic inner plugs inside bottles with precision and efficiency.

Our Automatic High-Speed Inner Plug Capping Machines utilize cutting-edge pick and place technology. The machine is equipped with two specially designed CAM systems: one CAM lifts the inner plug with precision, while the other CAM places the inner plug perfectly inside the bottle, ensuring nearly 100% accurate inner plugging. This innovative design guarantees precise and reliable capping performance.

The series of Automatic High-Speed Inner Plug Capping Machines offer various models based on the number of inner plugging heads, such as 4 head, 6 head, and 8 head configurations. Customers can choose the particular model based on their specific output requirements. The output speed of this series ranges from 60 Bottles per minute to 150 Bottles per minute, ensuring high productivity and efficiency for your production line.

Safety is of utmost importance to us, and our machines are integrated with astounding safety features to protect both operators and the equipment. The inclusion of safety clutches at the star wheel system and feed worm ensures smooth and safe operations. Additionally, the "No Bottle No Cap system" and "Automatic cap feeder on-off system" guarantee that the capping process only occurs when bottles are present, reducing waste and preventing potential mishaps. The magnetic hysteresis clutch head further enhances the safety and accuracy of the capping process.

One of the most notable features of our Automatic High-Speed Inner Plug Capping Machine is the inclusion of a vacuum system in the inner plug head. This system effectively holds the challenging inner plug during the capping process and ensures perfect release onto the bottle, even for difficult shapes and sizes of inner plugs.

The machine is designed to work with a wide range of container shapes, including round and square containers, and requires minimal format changes, making it highly versatile and adaptable to different production requirements.

When you choose N.K Industries' Automatic High-Speed Inner Plug Capping Machine, you can expect exceptional performance, high-quality capping, and efficient production processes, ensuring the success and growth of your business. Experience the reliability and precision of our advanced capping machines, and achieve unmatched productivity in your packaging operations.

Salient feature:

- Inner plug capping with the help of picks and place technology.
- CGMP & Compact Model
- Single motor harmonizes conveyor, star wheels and platform turret.
- A Special safety clutch device are being integrated on in feed & out feed Star wheel system for stoppage of machine in the event, bottle is over turned.
- Electro-pneumatic No Bottle – No Inner cap System
- Two Cam system which controls inner plug & release assembly
- Inner cap head with clutch system & Vacuum system.
- Inner plug feeding is through Cap feeder Vibrator only.
- Gear Motor & Gear box for Main drive.
- Gear box & Motor for inner plug Vibrator unit.
- 6 Digit precise counting arrangement helps to manage production process.
- Outfitted with emergency button for safety concern.
- All electrical & Brought out items are of CE certified.

Technical Specification:

Model	NKIC-150P	NKIC-250P
Direction	Left to Right	Left to Right
Production rate	Up to 60 Bottle per minute for 50 ml bottle	Up to 80 Bottle per minute for 50 ml bottle
Electrical supply	1 HP for Main Drive	1 HP for Main Drive
	0.25 HP for Vibrator Unit	0.25 HP for Vibrator Unit
No of Inner plug Capping Head	4 head	6 Head
Auto cap Pick Up ratio	≥99.9%	≥99.9%
Qualified capping ratio	≥99.8%	≥99.8%
Power requirement	440 V ,3 Phase (4 Wire System) 50 HZ	440 V ,3 Phase (4 Wire System) 50 HZ
Height of Conveyor	Adjustable from 800 to 850 mm	Adjustable from 800 to 850 mm
Bottle dia	22 mm to 80 mm max	22 mm to 80 mm max
Bottle height	55 mm to 200 mm max	55 mm to 200 mm max
Inner plug dia	15 to 30 mm	15 to 30 mm
	(with the help of change part)	(with the help of change part)
Dimension (L X W X H) mm	1530 x 812 x 1900	1830 x 812 x 1900

Model	NKIC-350P
Direction	Left to Right
Production rate	Up to 120 Bottle per minute for 50 ml bottle
Electrical supply	2 HP for Main Drive
	0.50 HP for Vibrator Unit
No of Inner plug Capping Head	8 Head
Auto cap Pick Up ratio	≥99.9%
Qualified capping ratio	≥99.8%
Power requirement	440 V ,3 Phase (4 Wire System) 50 HZ
Height of Conveyor	Adjustable from 800 to 850 mm
Bottle dia	22 mm to 80 mm max
Bottle height	55 mm to 200 mm max
Inner plug dia	15 to 30 mm
	(with the help of change part)
Dimension (L X W X H) mm	2130 X 915 x 1900