

NKIAC-120 Air Jet Cleaning Machine



N.K Industries, a renowned manufacturer, exporter, and supplier, takes pride in offering a classic range of Automatic Air Jet Cleaning Machines designed to cater to a wide range of industries. This versatile machine efficiently removes dirt from bottles, accommodating various shapes such as round and flat bottles. It is perfectly suitable for PET, plastic, glass, HDPE bottles, and jars.

Our Airjet cleaning machine ensures thorough cleaning of individual bottles in an inverted position using a series of precisely calibrated jets. The process begins as bottles are loaded onto the incoming conveyor, which moves them over the washing zone. The bottles are then conveyed through a Bottle holding slat conveyor, precisely indexing their movement.

In the in-feed inverter, the bottles are inverted, positioning their necks downward. In this neck-down position, they enter the cleaning zone, where a series of highly pressurized airjets blow compressed air into the bottles. Simultaneously, the vacuum system sucks out all dirt and dust from the bottles, effectively cleaning and purifying them. The dirt and dust are collected in a dust collection bag situated in the vacuum cleaner.

As the bottles pass through the cleaning zone, they undergo a thorough and precise cleaning process. Upon exiting the process, the outfeed inverter repositions the bottles, ensuring they face upward again.

Our Automatic Air Jet Cleaning Machine guarantees impeccable cleanliness, making it an essential component for industries with stringent hygiene requirements. Whether you deal with PET, plastic, glass, or HDPE bottles and jars, trust in N.K Industries to deliver the highest standard of cleaning performance.

Contact us today to explore the classic range of Automatic Air Jet Cleaning Machines and discover how they can elevate the efficiency and cleanliness of your production processes. Choose N.K Industries as your reliable partner in providing cutting-edge solutions for various industries.

Salient Features:

- CGMP Model: Designed according to Current Good Manufacturing Practices.
- Left-to-Right Direction: Machine operates from left to right.
- S.S. Pipe Fabricated Frame: The frame is made of stainless steel pipes for sturdiness.
- Top Plate: The top plate is 5mm thick and made of Mild Steel which is cladded with (SS 304 for durability and hygiene.
- SS Side Cover: Stainless steel side covers provide protection and a clean appearance.
- Inbuilt Turntable: Equipped with an infeed turntable for smooth material handling.
- Inverters with Nylon Cladding: Inverters are covered with nylon cladding for safety and protection.
- Inbuilt Vacuum Cleaning System: Features a high-capacity blower for efficient vacuum cleaning.
- CE Certified Variable Frequency Drive: Allows for speed variation while complying with CE certification standards.

Technical Specification:

MODEL	NKIAC-120
Direction	Left to Right.
Production Rate	Up to 100 Bottles / Min depending upon the bottle diameter
Electrical Supply	1.00 HP For Main Drive.
	0.5 HP for Blower.
Power Requirement	440 Volts, 3 Phase (4 wire System) 50 Hz.
Bottle Diameter	25 MM To 55 MM MAX
Height	45 MM To 110 MM MAXIMUM
Height of Conveyor	Adjustable from 800 To 850 MM
Dimensions	1815 MM (L) X 597 MM (W) X 1298 MM (H)
Net Weight	300 KGS. (Approx.)
Gross Weight	450 KGS. (Approx.)