



Unscrambler with Air Jet Cleaning Machine



Harikrushna Machines Pvt. Ltd. (HMPL Sterile) proudly introduces its state-of-the-art Unscrambler with Air Jet Cleaning Machine, meticulously designed for cleaning eye-ear drop bottles, nasal sprays, and PP bottles. This innovative machine streamlines the packaging process by automatically unscrambling and cleaning bottles using high-pressure air jets. The machine ensures that each bottle is free from contaminants before entering the filling and sealing stages. The machine's versatile design caters to various packaging lines, ensuring sterility and precision for eye-ear drops and nasal sprays. HMPL Sterile engineered the Unscrambler with Air Jet Cleaning Machine to deliver high output while maintaining exceptional quality standards. Its user-friendly interface allows for seamless integration into existing production lines, offering flexibility and efficiency for manufacturers. This machine guarantees optimal performance, reduced downtime, and enhanced product safety, making it an indispensable asset for any production facility.

Key Benefits:

- **Enhanced Hygiene and Safety:** The machine uses high-pressure air jets to clean bottles, effectively removing contaminants before they enter the filling and sealing process.
- **Increased Efficiency:** The machine's ability to automatically unscramble and clean bottles significantly reduces manual labour and the risk of human error. This results in a smoother, faster production line, ultimately leading to higher output and reduced operational costs.
- **Versatility:** The machine accommodates various packaging lines by design. The machine can be easily integrated into different production environments, whether for pharmaceutical products or PP milk bottles. This flexibility makes it a valuable addition to any manufacturing facility.
- **Reduced Downtime:** The machine's robust construction and advanced technology minimize the chances of breakdowns, ensuring continuous operation. It leads to less downtime and increased overall productivity.

- **User-Friendly Operation:** With an intuitive interface and easy-to-use controls, the machine allows operators to quickly adapt and manage the production process with minimal training, further enhancing operational efficiency.

Technical Data

Sample Products	Plastic/PP/HDPE Vial & Bottle
Sample Product Size	10 ml to 1000 ml
Output Speed	Up to 200 Products/Minute