

IONIZED AIR RINSER

The Morrison Container Handling Solutions Ionized Air Rinser uses ionized air to clean containers by reducing static build up of unwanted particles to help remove them. This machine utilizes Morrison's timing screw and twist combination technology to invert containers for the cleaning process.

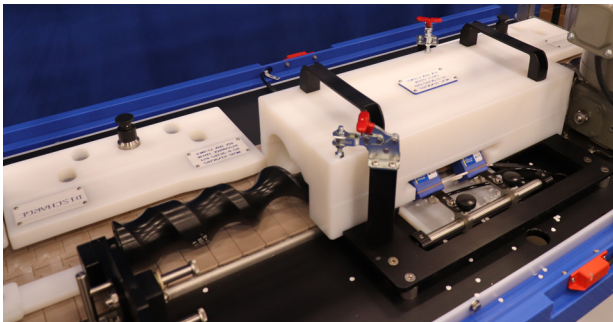


PRODUCT OVERVIEW

How It Works --

The Ionized Air Rinser accepts containers into the timing screw twist system and inverts them 180 degrees to be upside down and expose the opening of the container to the ionized air unit. After the blast of air, the container remains upside down to allow particulate to fall out, then an additional twist inverts the containers right side up and releases them onto the conveyor.

This system uses SIMCO-Ion air ionizing technology and Allen Bradley controls to power the machine and rinse the containers.



Morrison Container Handling Solutions

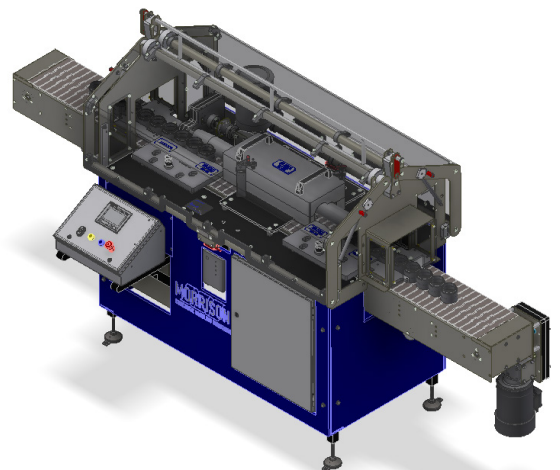
335 W. 194th Street, Glenwood, Illinois, 60425
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www.morrison-chs.com

**RUNS UP TO 60
CONTAINERS PER MINUTE**

Benefits of Ionized Air for Cleaning

Ionized air helps dissipate any static build up that can occur on plastic to make it more likely for debris to release from containers in the packaging process. SIMCO-Ion Ionization Technology is a worldwide leader in ionization solutions, and their products are installed on our air rinsing machines in order to control static discharge in hard to reach places on containers.

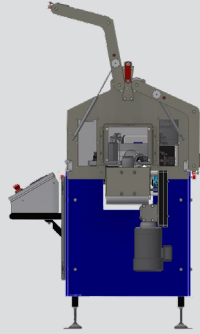
Ionized Air is an effective tool for many industries that need to clean plastic containers prior to filling and these systems are used on many pharmaceutical lines, food and beverage lines, and cannabis lines worldwide.



230V or 480V Models are Available

PERIMETER GUARDING

The machine features Morrison's industry renowned low profile gull-wing top cover guarding that provides simple and easy access to the machine with safety controls enabled.



The doors hinge from above and swing upward to provide operator or mechanic access to the machine. With gas struts to support the door panel, it is light weight and easy for operators to open in a production environment.

Lock-out / tag-out is available.

ELECTRICAL CONTROLS

01

Allen Bradley Components

- Powerflex 525 used system
- Micro 800 PLC
- UL 508A rated box available upon request

02

Guarding

- Safety interlocks on perimeter guard
- If door is opened, safety switch stops power to machine

03

Safety Controls

- Emergency stop to shut down equipment
- Stack-light provides operator visual representation of machine running state

04

Photoeyes

- Upstream and downstream photoeyes provide vision control to prevent back ups and jams

60

60 CPM Operating Speed

The standard version of this system cleans 60 containers per minute through the timing screw twist unit.

180

180 Degree Twist Inverting

The twist technology is a reliable mechanical solution to invert containers for air rinsing and provide less moving parts to do the job.

90

90 PSI Air Requirement

A 90 PSI input is required to operate this system. Morrison provides filter/regulator with a 20-130 PSI range with the purchase.



LEARN
MORE

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- ▶ This model is designed to accept containers from a single lane. Morrison offers combining systems that can be added on in order to perform this function.
- ▶ Morrison can work with your filling machine manufacturer if adding to a new line or provide this system as a retrofit option to your existing line.