

# IONIZED AIR RINSER

The Morrison Container Handling Solutions Ionized Air Rinsers use ionized air to clean containers by removing unwanted particles. This machine utilizes Morrison's timing screw and twist combination technology to invert containers for the cleaning process.

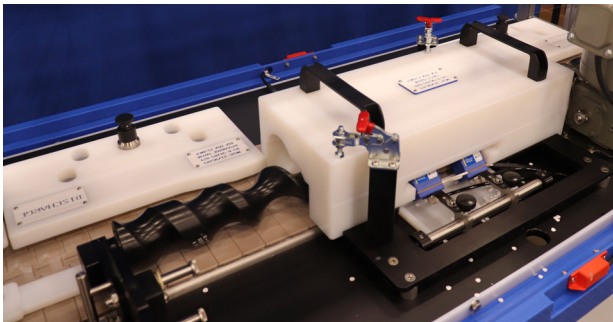


## PRODUCT OVERVIEW

### How It Works --

The Ionized Air Rinsers accept containers into the timing screw twist system and invert them 180 degrees to be upside down and expose the opening of the container to the ionized air. After the blast of air into the container, the twist inverts the containers back to right side up and releases them onto the conveyor to continue downstream to the filler.

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



### Morrison Container Handling Solutions

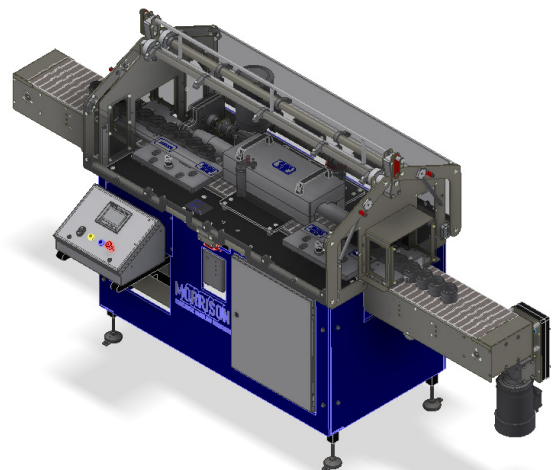
335 W. 194th Street, Glenwood, Illinois, 60425  
+1-708-756-6660 / info@morrison-chs.com  
www.morrison-chs.com

**RUNS UP TO 60 CONTAINERS PER MINUTE ON SYSTEM**

### 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 to reach specified levels of sanitation for the cleaning process.

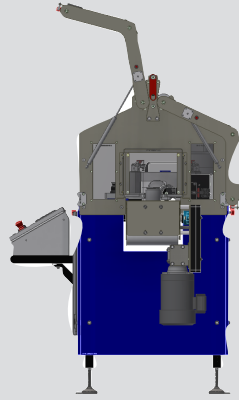
Ionized Air is an effective tool for many industries that need to clean containers prior to filling and these systems are used on many pharma lines, food lines, wine production, and cannabis lines worldwide.



**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 wing 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.

## ALLEN BRADLEY CONTROLS

01

### Powerflex 525

- Used on conveyor and timing screw 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 for Vision Control

- Downstream to prevent back ups and jams
- Upstream to note containers present to prevent jams

60

### 60 CPM Operating Speed

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

180

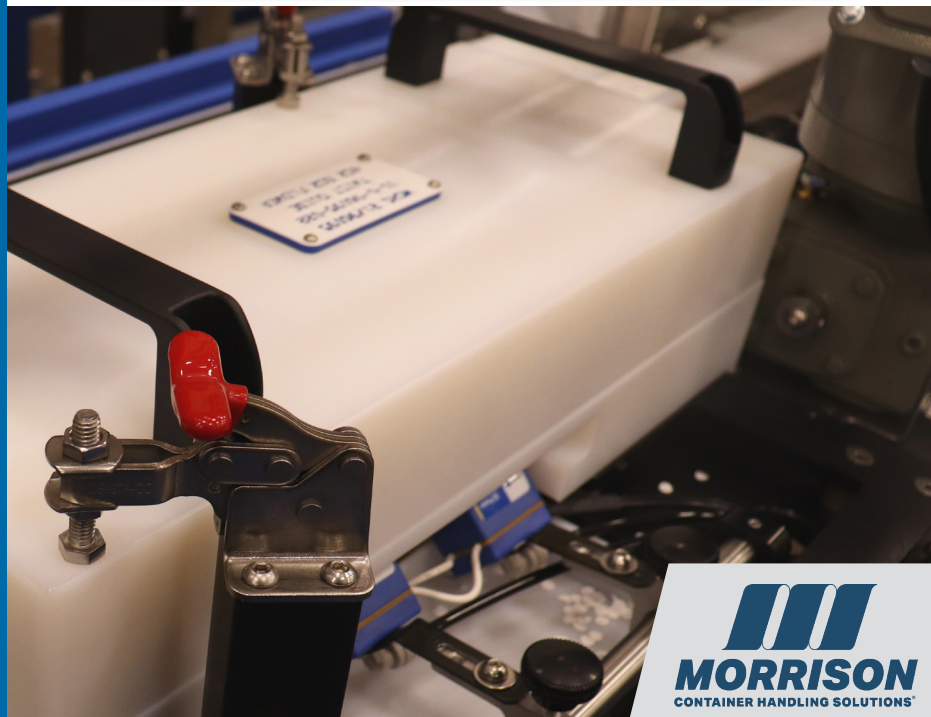
### 180 Degree Twist Inverting

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.



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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.