



AIR KNIFE SYSTEMS

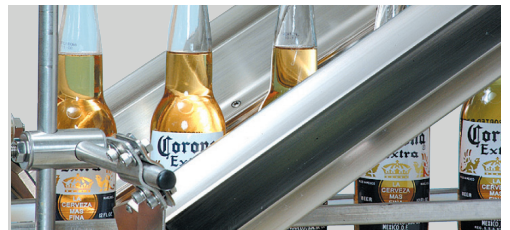
WITH CENTRIFUGAL AIR

The Republic Air Knife System produces a high velocity, high impact air stream which **removes dust, debris and liquids** typically found following a wash, rinse or product filling operation.

These air knife systems are engineered, manufactured and tested to provide **99.9% of moisture and debris removal** from products prior to labeling, ink jet laser coding, packaging or other secondary operations.

Air knife assemblies are available in extruded aluminum, or stainless steel with **lengths from 2" up to 196"** and with an **adjustable gap** for proper airstream control. Additionally, the air velocity can be adjusted in the field with an optional butterfly valve to provide the appropriate pressure and airstream as required by the process. Multiple air knife and nozzle combinations can be connected to a manifold assembly, which in turn is powered by a single motor/blower system.

Other manufacturers remove only part of the moisture and then rely on additional moisture evaporation as the part travels through the manufacturing process. Republic Blower Systems manufactures a unique air knife system that allows for the most efficient method of debris or liquid removal.

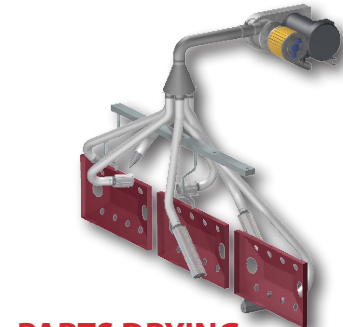


ADVANTAGES

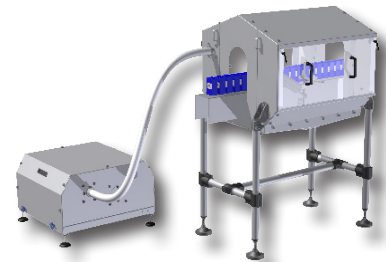
- Parts Drying
- Bottle and Can Drying
- Produce and Food
- Conveyor Belt Cleaning and Drying
- Wire and Cable
- Debris, Dust, Liquid Blowoff
- Static Control

AIR WIPES

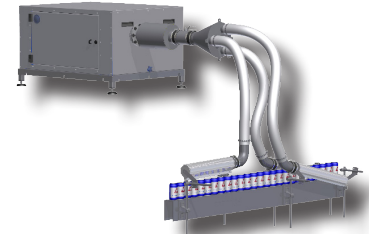
Republic manufactures the most innovative air wipe system on the market today. For wire, cable and extruded materials from .010" to 2" diameter and up to 1,500 ft. / min, our single system is the most efficient available. Multiple systems can be incorporated for higher speeds. Our open jaw design eliminates the need for threading during a break or spool change, decreasing downtime and increasing throughput.



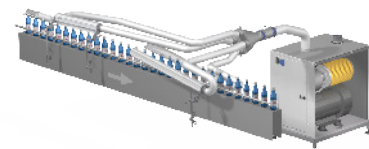
PARTS DRYING



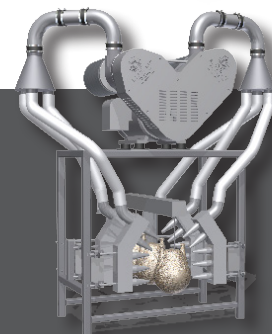
OVERSPRAY ENCLOSURE



PAN DRYING



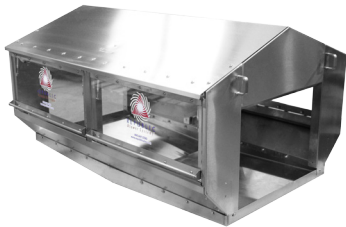
BOTTLE DRYING



FOOD PACKAGING

OVERSPRAY ENCLOSURE

Republic's stainless steel overspray enclosures are designed to adjust to any conveyor cross section. With or without a custom fit drain pan, these units include see-through doors that are easily removable for maintenance.



ALL-IN-ONE ENCLOSURE

Our stainless steel All-In-One Enclosure is designed to contain overspray, debris and noise generated by an air knife system. It includes a conveyor, the overspray enclosure, blower enclosure, motor enclosure and drain pan in a free standing configuration.

