

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 cleaning operation.

These air knife systems are engineered, manufactured and tested to provide **99.9% of moisture and debris removal** from products prior to painting, machining, storage, 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 manufactures a unique air knife system that allows for the most efficient method of debris or liquid removal.

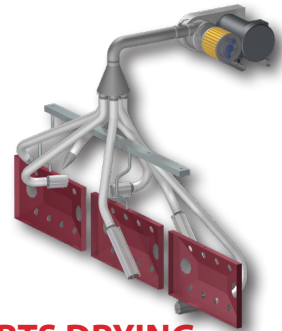
APPLICATIONS

- Parts Drying
- Machine Oil Removal
- Rust-Preventive Fluid Removal
- Pre-Powder Coat Water Removal
- Paint Leveling
- Debris, Dust, Liquid Removal
- Static Control

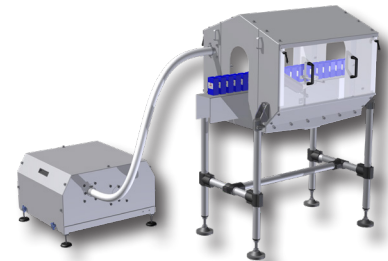


AIR WIPES

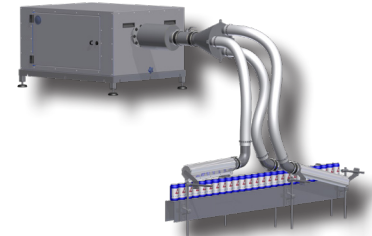
Republic manufactures the most innovative air wipe system on the market today. For wire, cable and extruded materials from .010" to 2" diameter and up to 1,500 ft. /min, our single system is the most efficient available. Multiple systems can be incorporated for higher speeds. Our open jaw design eliminates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



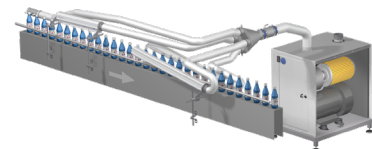
PARTS DRYING



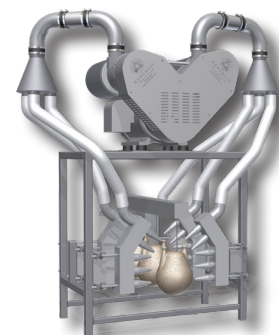
OVERSPRAY ENCLOSURE



PAN DRYING



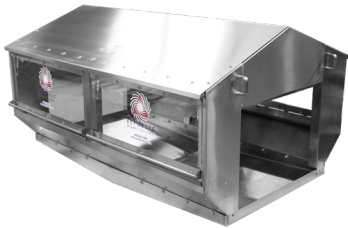
BOTTLE DRYING



FOOD PACKAGING

OVERSPRAY ENCLOSURE

Republic's stainless steel overspray enclosures are designed to adjust to any conveyor cross section. Using the adjustable legs and a variety of width options, with or without a custom fit drain pan, these units include see-through doors that lift using hydraulic hinges for quick and easy line access.



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 the overspray enclosure, drain pan, blower, motor, all piping, and air knives, along with Republic's lateral slide system for quick change-over - all in a free standing configuration.

