

# AIR KNIFE AND VACUUM SYSTEMS

FOR MEAT AND POULTRY PROCESSING

## PRODUCTS



The **RX-SERIES OF OIL LUBRICATED ROTARY VANE VACUUM PUMPS** have a simple and reliable design. They are available with or without motor to meet your application needs. These pumps have a max air flow of 445 cfm and a max vacuum capacity of 29.9" HgV.



The **VRT-SERIES OF DRY-RUNNING ROTARY VANE PUMPS** are ideally suited for oil free applications. The smaller pumps come with a motor integrated, while the larger pumps are available with or without a motor. The dry vane pump can pull a maximum of 25.5" HgV.



The **RCV DRY RUNNING POSITIVE DISPLACEMENT CLAW VACUUM PUMPS** are for oil free applications. The pumps utilize high-precision claws that rotate in synchronization without contact to generate vacuum without wear. These pumps have a max air flow of 203 cfm and a max vacuum capacity of 24.0" HgV.



**REPUBLIC FOOD GRADE AIR KNIVES** are manufactured to provide liquid removal from meat, produce, food products, and food packaging using a high velocity, high impact air stream. They are specifically designed to comply with all USDA, 3-A, and ANSI/NSF/3-A standards. The food grade air knife protects food surfaces from contamination during blow-off, drying, coating, and cooling applications.



**REPUBLIC REGENERATIVE BLOWERS** are for high pressure or compressed air applications. The impeller is directly connected to the motor shaft, providing powerful force without undue friction. The bearings are outside the compression chamber, ensuring maximum operational reliability under high differential pressure. These pumps have a max air flow of 776 cfm and a max vacuum capacity of 236" HgV.



**REPUBLIC CENTRAL SYSTEMS** are offered in standard and custom configurations. These systems utilize our wide range of products while specifically designed to meet your application. All systems are built in accordance to applicable standards such as: NEMA, and UL control panels.

## SOLUTIONS

- Packaging
- Scrap collection
- Evacuation
- MAP modified atmosphere packaging
- Transport pick and place
- Forming
- Labeling
- Carton Erection
- Form-fill-seal machines
- Vacuum chamber machines
- Pneumatic conveying
- Drying
- Foil handling

