



**REPUBLIC MANUFACTURING UNDERSTANDS THE CHALLENGES YOUR BUSINESS FACES AND CUSTOM ENGINEERS PRODUCTS IN-HOUSE TO IMPROVE OVERALL EFFICIENCY AND COSTS. OUR EXPERTISE IS IN IMPACTING AND SUPPORTING YOUR SUCCESS.**

## AIR KNIFE SYSTEMS UTILIZING CENTRIFUGAL BLOWERS

Used to blow, clean and dry residual debris off of the conveyor belts and prevent packaging from breaking or deteriorating.

- Belt Cleaning
- Product Drying

## REGENERATIVE BLOWERS

Used to transfer powders and chemicals, pellets, foam, granules, and other light solids, form air layers to facilitate loading granules, as well as mix sediment, chemicals, paint and other liquids. They help minimize dust and are flexible to your specific application.

- Pneumatic Conveying
- Form Air Layers
- Mix



## CENTRAL VACUUM SYSTEMS UTILIZING ROTARY VANE VACUUM PUMPS

Used to provide cooling in degassing, drying, impregnation, vacuum distilling and molecular evaporation. They are made for energy saving, moisture removal and can dry products without additional heat. They are often used to replace individual generators.

- Degassing
- Vacuum Impregnation
- Drying
- Molecular Evaporation
- Vacuum Distillation

## POSITIVE DISPLACEMENT PACKAGES

Used to pneumatically convey materials, moving products without damaging them.

## TUBE AXIAL BLOWERS

Used to provide ventilation through fume removal and vacuum removal of gases from product as it is processed or heating.

- Ventilation
- Drying

## MOTORS

Used to assist in faster turnaround times while meeting accredited standards. They are cost-effective and maintain an ecological footprint.

- TEFC and NEMA Certified

## CENTRIFUGAL BLOWERS

Used to ventilate without exposing the motor to the air stream.