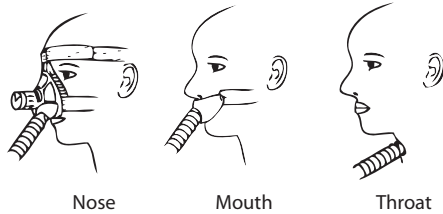


Your own imagination and knowledge are probably the best source of in-plant and on-site applications for ROTRON regenerative blowers. This guide will help to pinpoint and stimulate your consideration of the many alternative sources we provide to replace costly and maintenance intensive suction and pressure units and systems. The nine major application groups are listed and a cross reference of the most common applications by industry will help you identify both identical and similar applications in your industrial operations.

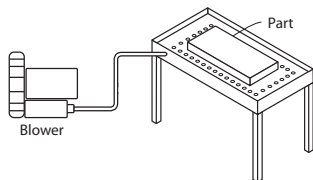
## Application 1: Air-Assisted Breathing



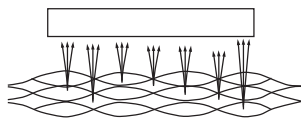
**Manufacturing**  
PARP Respiration

**Mining**  
PARP Respiration

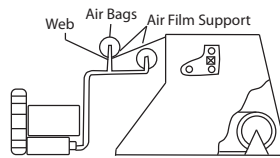
## Application 2: Air-Assisted Inflation or Support



Flotation Tables



Air Slides / Air Tables



Turning & Forming Bars

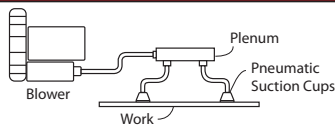
**Material Handling**  
Air Slides  
Air Tables  
Carbon Black Car Unloading

**Paper Processing**  
Flotation Tables  
Forming Bar  
Sheet Fluttering  
Turn Bars

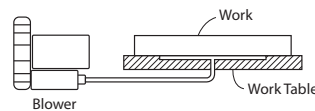
**Textile**  
Garment Flotation Tables

**Water Pollution Control**  
Pollution Containment  
Waterway Management

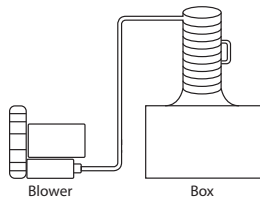
## Application 3: Air-Assisted Vacuum Pick-Up or Hold-Down



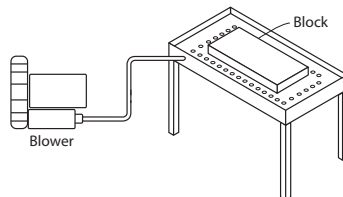
General Parts Pick-Up



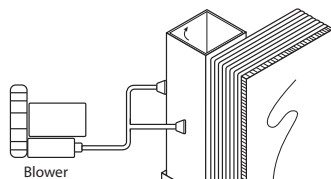
General Parts Hold-Down



Vacuum Manipulator



Flotation Tables



Cardboard Case Erector

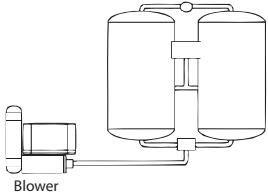
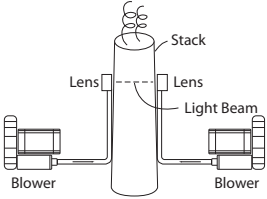
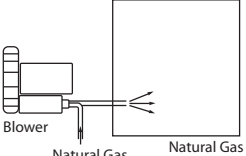
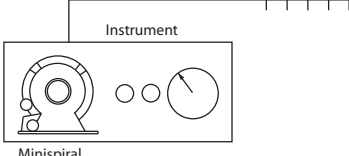
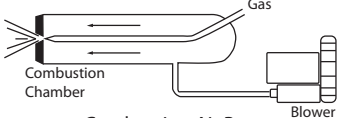
**Manufacturing**  
Bag Filling Equipment  
Cutting Tables  
Packaging Equipment  
Vacuum Manipulators  
Corrugated and Paperboard Boxes  
Flexible Packaging - Paper, Plastic, Aluminum Foil,  
Textile Packaging and Steel Strapping  
Rigid Packaging  
Beverage Containers  
Cosmetic and Toiletry Containers  
Blister Packs  
Pharmaceutical Packaging  
Food Packaging  
Sterile Medical Device Packaging  
Labels  
Pressure Sensitive Tape

**Paper or Plastics Handling**  
Cutting Tables  
Diaper Making Equipment  
Printing Presses

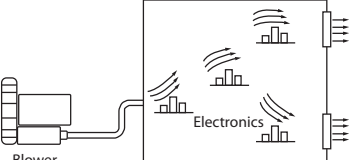
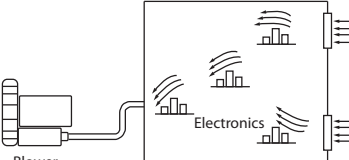
**Textile**  
Garment Cutting Tables  
Yarn Guiding and Tensioning  
Yarn Aspiration

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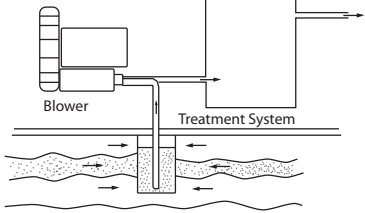
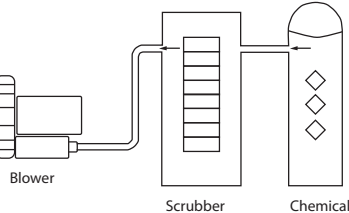
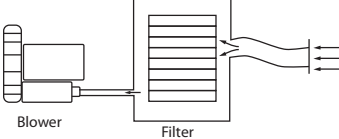
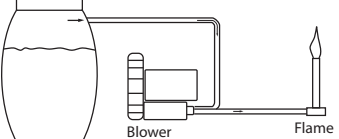
## Application 4: Air & Gas Sampling, Boosting, or Circulating

 <p>Blower</p> <p>Fluid Bed Regeneration</p>	 <p>Stack</p> <p>Lens</p> <p>Lens</p> <p>Light Beam</p> <p>Blower</p> <p>Blower</p> <p>Transmissometer Lens Purging</p>	<p><b>Air Pollution Control</b></p> <ul style="list-style-type: none"> <li>Air Sampling</li> <li>Air Stream Release Monitoring</li> <li>Fire Prevention Air Sampling</li> <li>Flue Gas Sampling</li> </ul> <p><b>Pharmaceutical</b></p> <ul style="list-style-type: none"> <li>Clean Room Air Circulation</li> <li>Oxygen Generator</li> </ul> <p><b>Plastics Handling</b></p> <ul style="list-style-type: none"> <li>Desiccant Dryer Bed Regeneration</li> </ul>
 <p>Blower</p> <p>Natural Gas</p> <p>Natural Gas Furnace</p> <p>Natural Gas Boost</p>	 <p>Instrument</p> <p>Minispiral</p> <p>Air &amp; Gas Sampling</p>	<p><b>Foundry</b></p> <ul style="list-style-type: none"> <li>Combustion Air Boost</li> </ul> <p><b>Instrumentation</b></p> <ul style="list-style-type: none"> <li>Glove Box Pressurizing</li> <li>Incubator Air Circulation</li> <li>Weather Measurement Sampling</li> </ul> <p><b>Manufacturing</b></p> <ul style="list-style-type: none"> <li>Combustion Air Boost</li> <li>Natural Gas Boost</li> <li>Oil Demisting</li> </ul>
 <p>Gas</p> <p>Combustion Chamber</p> <p>Blower</p> <p>Combustion Air Boost</p>		

## Application 5: Electronic Cooling

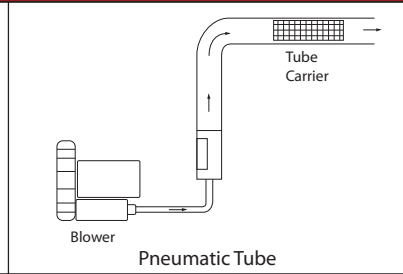
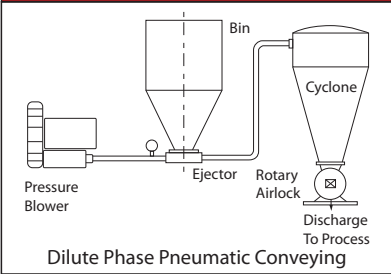
 <p>Blower</p> <p>Electronics</p> <p>Pressurized Cabinet</p>	 <p>Blower</p> <p>Electronics</p> <p>Vacuum Pull-Through Cabinet</p>	<p><b>Instrumentation</b></p> <ul style="list-style-type: none"> <li>Engine/Motor Cooling</li> <li>Film Development System Cooling</li> <li>Lamp Bank Cooling</li> <li>Small Enclosure Cooling</li> </ul>
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## Application 6: Gas, Vapor, & Fume Recovery, Venting, & Treatment

 <p>Blower</p> <p>Treatment System</p> <p>Soil Vapor Extraction &amp; Landfill Gas Recovery</p>	 <p>Blower</p> <p>Scrubber</p> <p>Chemical Tank</p> <p>Vent Header Off-Gassing</p>	<p><b>Agricultural</b></p> <ul style="list-style-type: none"> <li>Methane Gas Recovery</li> <li>Chemical Processing</li> <li>Vent Header Off-Gassing</li> </ul> <p><b>Pharmaceutical</b></p> <ul style="list-style-type: none"> <li>Sterilization Gas (ETO) Recovery</li> </ul> <p><b>Refineries</b></p> <ul style="list-style-type: none"> <li>Centrifuge Venting</li> </ul> <p><b>Environmental</b></p> <ul style="list-style-type: none"> <li>Gasoline Vapor Recovery</li> <li>Lagoon Gas Recovery</li> <li>Landfill Gas Recovery</li> <li>Radon Gas Collection</li> <li>Soil Vapor Extraction</li> </ul> <p><b>Water Pollution Control</b></p> <ul style="list-style-type: none"> <li>Digester Gas Collection</li> </ul>
 <p>Blower</p> <p>Filter</p> <p>Fume &amp; Smoke Removal</p>	 <p>Digester</p> <p>Blower</p> <p>Flame</p> <p>Digester Gas Collection</p>	<p><b>Foundry</b></p> <ul style="list-style-type: none"> <li>Lost Foam Off-Gassing</li> </ul> <p><b>Manufacturing - Plant Services</b></p> <ul style="list-style-type: none"> <li>Cabinet Fume Venting</li> <li>Environmental Test Chamber Venting</li> <li>Laser Smoke Removal</li> <li>Weld Smoke Removal</li> </ul>

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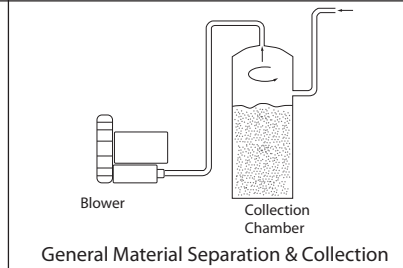
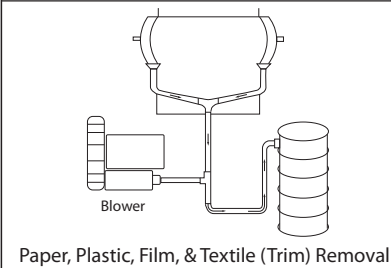
## Application 7: Solid Material Transporting, Separation, & Collection



Foundry  
Sand Reclamation

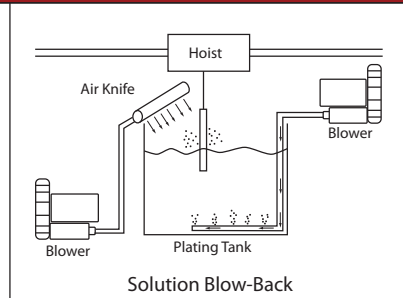
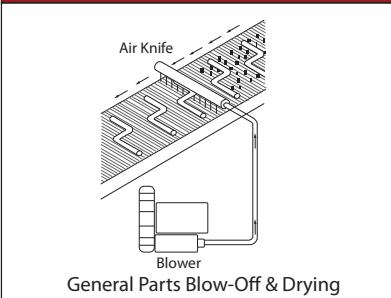
Manufacturing - Waste Control  
Chip, Dust, & Particle Removal  
Liquid & Solvent Removal  
Paper, Plastic Film, & Textile (Trim) Removal

Material Handling  
Air Slides  
Blast Cleaning  
Dilute Phase Conveying  
Pneumatic Tube



Packaging  
Bag Filling

## Application 8: Parts Blow-Off & Drying

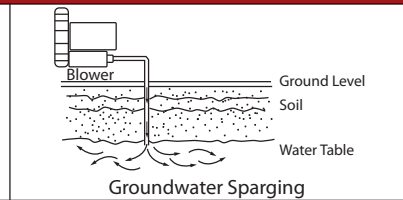
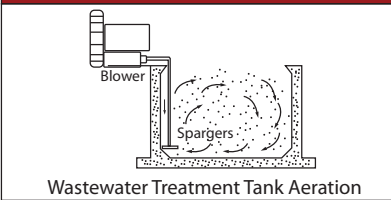


**Aqueous Precision Cleaning**  
Automotive Parts Drying  
Semiconductor Board Drying

**Manufacturing**  
Conveyor Belt Blow-Off  
Electroplating Fume Guiding  
Electroplating Parts Drying  
Electroplating Solution Blow-Back  
Flat or Irregular Metal Parts Drying  
Wire Drying

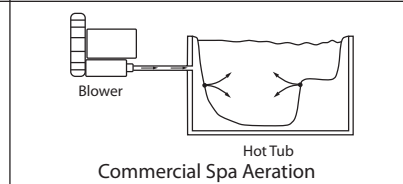
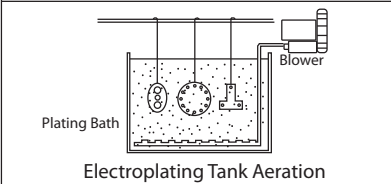
Food Processing  
Batter Blow-Off  
Bottle & Can Drying  
Label Drying  
Salt, Spice, & Flour Blow-Off

## Application 9: Solution & Media Agitation & Aeration



**Aquaculture**  
Aquarium Fish Farm, Hatchery, & Pond Aeration

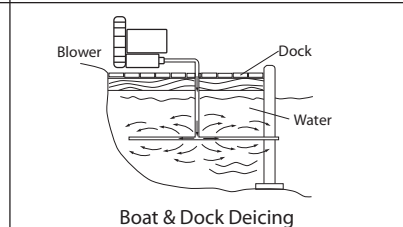
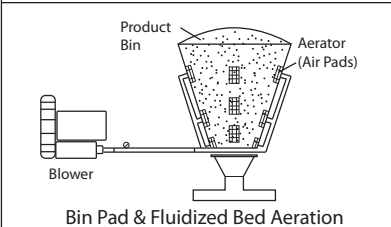
Groundwater Sparging



**Manufacturing**  
Concrete Fluid Bed Aeration  
Electroplating Tank Agitation

**Material Handling**  
Fluidized Beds

**Recreation**  
Commercial Spa Aeration



**Water Management**  
Boat, Dock, & Dam Face Deicing

**Water Pollution Control**  
UV Tube Agitation  
Wastewater Filter Backwash  
Wastewater Treatment Tank Aeration

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