



**Born in the USA**

**A Genuine American Product**

**National  Turbine**  
CORPORATION



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- **Stringent Quality Standards**
- **Dependable, Efficient Products**
- **Skilled Technical Support**

Since 1991, National Turbine Corporation has been providing innovative solutions for air and gas handling requirements worldwide.

By combining the latest manufacturing technology with old world, quality craftsmanship, and a true dedication to providing the finest service in the industry, National Turbine has become one of the most diverse providers of air and gas handling equipment.

The skilled team of engineers at National Turbine encompass over 110 years of diversified experience, allowing us to deliver the most suitable products for a myriad of applications.

Premier service and support have moved us to the forefront of the industry. We believe this unwavering dedication to customer satisfaction is our finest product.



**A Genuine  
American Product**

**Proudly 100% Made in the USA**

**American Materials • American Craftmanship • American Quality**



# Applications

## Printing –

Low pressure air for

- Turning Bars
- Gathering Machines
- Forming Bars
- Air Curtains

## Gas Handling –

Landfill Flare/Methane Recovery

- Coal Mine Venting
- Soil Vapor Extraction
- CO<sub>2</sub> Boosters
- Natural Gas, Propane
- Nitrogen Boosters
- Ethanol Plants
- MPG
- USCG Spec Blowers

## Water Treatment –

Fine/Coarse Bubble Diffusers

- Digester Gas
- Filter Backwash
- Grit Chamber
- Air Scouring

## Various Other Applications –

- Sulfur Recovery
- Fluid Bed Incineration
- Tank Agitation
- Dryers and/or Blow-off Systems
- Vacuum Hold Down
- Combustion Air
- Composting
- Float Cell Aeration
- Pneumatic Conveying
- Corrosive Gas Handling



Landfill



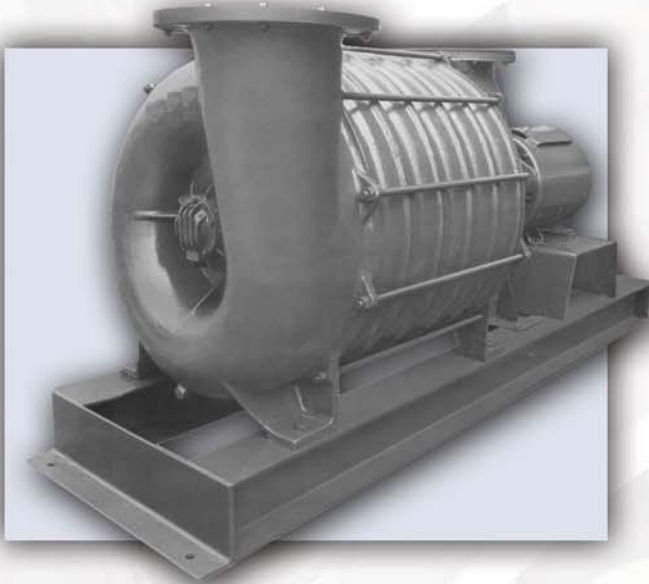
Printing



Water Treatment



## Centurion Series



The **Centurion Series** of cast iron blowers and exhausters are precision manufactured to the highest industry standards. Each unit is custom engineered to meet your individual performance requirements, assuring trouble free operation 24 hours a day, 365 days a year.

- Capacities from 100 to 12,000 CFM
- Pressures to 15 PSIG; Vacuums to 15" HG
- Aerodynamic cast aluminum impellers
- Cast iron, vertically split, modular construction
- Precision machined AISI 1045 steel shaft
- Outboard mounted four bearing design
- Rotating assembly statically and dynamically balanced
- Labyrinth or Carbon Ring (with Purge Option) seals
- Grease or oil lubrication





# Millennium Series



Our unique **Millennium™ Series** of blowers and exhausters combine the flexibility of **fabricated casing construction** with the rugged reliability and aerodynamic efficiency of **cast aluminum impellers**. Suitable for air and gas handling systems, providing low maintenance and long term reliability, in an economical package.

- Capacities from 100 to 2000 CFM
- Pressures to 8 PSIG; Vacuums to 10" HG
- Aerodynamic cast aluminum impellers
- Heavy duty steel construction  
(with options for stainless steel)
- Precision machined ASTM 1018 steel shaft
- Outboard mounted four bearing design
- Automatic bearing lubricators





# Vacuum Cleaning Systems



The cast iron multi-stage centrifugal exhauster is unquestionably the best machine for many vacuum cleaning applications. Its ability to vary its volume based on system demand makes it a perfect choice for multi-operator vacuum systems.

Similar to the cast iron machine in its performance characteristics, the fabricated exhauster is a popular, cost effective alternative. Intended for continuous duty in less demanding applications, this machine has proven ideal for commercial use, light to medium duty industrial applications and many custom designed projects.



Our extensive line of Vacuum Producers and Filter Receivers combined with years of experience, allows National Turbine to deliver the proper equipment to fulfill your Vacuum Cleaning and Pneumatic Conveying requirements.

From the simplest "House-keeping" Systems to the most complex Process Vacuum applications, you can be assured that qualified Design Engineers are available to assist you from conception to completion.



# Special Solutions



For those special air or gas applications, where severe conditions exist. . . corrosive, toxic or high temperature, **National Turbine** offers solutions. Our premier cast product is available in a myriad of materials to offer trouble-free operation 24 hrs/day, 7 days/week, 365 days/year. Manufactured 100% in the United States of America, our standard multistage centrifugal can be offered with the following features:

- Housings:** Cast Iron  
Cast Aluminum  
Cast Stainless Steel
- Impellers:** Cast Aluminum  
Fabricated Stainless Steel

Built to industry standards, tested for performance verification, each centrifugal has been designed to provide satisfactory performance decade after decade.

## Other Options Available

- **Stainless Steel Shaft**
- **Grease or Oil Lubrication System**
- **Non-Contact Labyrinth or Carbon Ring Seals (Purgeable)**
- **Special Mechanical Shaft Seals**
- **Cooling Fan and/or Heat Shields**

The experienced National Turbine team, backed by years of research and development, will provide effective solutions to meet our continuously expanding customer's application needs.

## Custom Applications

For lower flows, pressures or vacuums, National Turbine's "MILLENNIUM" Series can be manufactured with either Aluminum or Stainless Steel Casings and Impellers. This construction is well suited for corrosive materials, and meets U.S. Coast Guard Regulations for "Non-Sparking" construction in Barge Vapor Handling Systems.

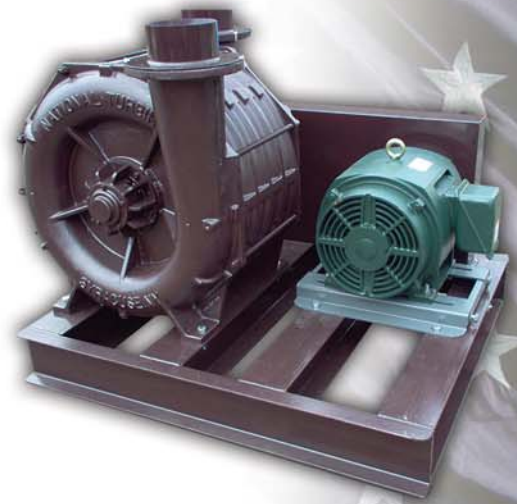




## Other Packages

From **Air Knife Systems** to **Custom Skid Mounted Packages**, our engineers can design a complete unit to meet your system requirements.

- PD Packages
- Pneumatic Conveying Systems
- Material Recovery Units
- Packaged Vacuum Systems



## Custom Controls and Accessories

From simple temperature or vibration shut down panels to the most sophisticated computer interfaced, system wide controls, we can custom manufacture a control package to protect your equipment and manage, and regulate your process.

## Shop & Field Repair Service – Replacement Parts

Our skilled shop personnel can repair a wide range of centrifugal blowers “In House” and our field service technicians are available to provide startup services, routine and preventative maintenance, laser coupling alignments and a variety of on site repairs.

We stock a large selection of new replacement parts for other OEM's equipment.

**National Turbine**  
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