INNOVATIVE ENGINEERS

ABOUT US

Innovative Engineers designs and manufactures industrial-duty centrifugal fans and blowers to move process and material-laden air.

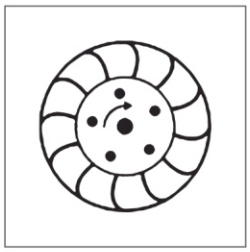
Our fans and blowers, both pre-engineered and custom, include backward inclined fans, backward curved fans, radial tipped fans, material handling fans, high-pressure blowers, and other centrifugal fans and blowers for industrial fan applications.

Innovative Engineers continues to enjoy consistent growth which, to us, is no surprise, because our vision has always been clear: Bring together the best minds in engineering, develop top-quality industrial fans and blowers, and deliver them with unmatched customer service.

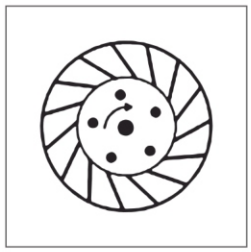
Innovative Engineers offers premier quality industrial centrifugal fans and blowers with premier customer service. We are committed to ensuring your success as our customer, and we welcome the opportunity to build a successful business relationship with you. To learn more about Innovative Engineers, an industrial fan manufacturer, contact us today.

innovative.engg672@gmail.com

CENTRIFUGAL WHEEL TYPE:

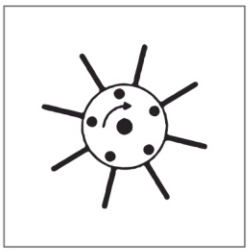


Backward curved blades

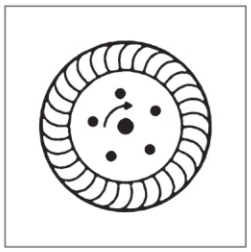


Backward incined blades

Backward incined aerofoil



Radlal blades



Forward curved blades

Backward curved: These fans possess the same efficiencies as airfoil fans. They have curved plate blades, which can help avoid the possibility of dust buildup. This specific design makes them suitable for high-pressure applications.

Backward inclined: the backward inclined blower moves high volumes of clean air at lower static pressures. backward inclined wheels designed to accommodate clean air applications.

Airfoil blade: Airfoil fans are used in applications where ambient or elevated temperatures are involved such as chemical, power generation, metals, resource recovery industries, and so on. These fans assure high efficiency as well as quiet operations. Dust buildup is one of the drawbacks of this fan. Thus, they are more appropriate for clean air applications.

Radial blade: They acquire the strongest physical design among all other types of fans and are mostly used to process materials. Hence, they can achieve topmost pressure of practically any industrial fan arrangement. The radial blade centrifugal fan also has the power to self-cleanse itself.

Forward Curved: Forward curve fans are most commonly used in high-temperature furnace applications, and ventilation applications where there is a low chance of dust loading. This fan requires a large number of blades to drive forward curve wheels.

All of the Blades are suggestible as per the Blower's Application & also comes with Direct Drive, Belt Drive or Coupling Drive Fans.

PRODUCT RANGE

1. HIGH PRESSURE BLOWER :

CAPACITY RANGE	500 M3/HR to 150000 M3/HR
STATIC PRESSURE	25 MM OF WC to 2000 MM OF WC
MOC	MS / SS-304 / SS-316L / S690QL / SAILMA E350
TYPE OF DRIVE	BELT DRIVE / COUPLING DRIVE / DIRECT DRIVE
TYPE OF FAN	SWSI (MOUNTED ON ELEVATED CONCRETE OR MOUNTED ON FABRICATED PEDESTAL)

2. HIGH VOLUME LOW PRESSURE BLOWER :

CAPACITY RANGE	1000 M3/HR to 820000 M3/HR
STATIC PRESSURE	5 MM OF WC to 150 MM OF WC
MOC	MS / SS-304 / SS-316L / S690QL / SAILMA E350
TYPE OF DRIVE	BELT DRIVE / COUPLING DRIVE / DIRECT DRIVE
TYPE OF FAN	SWSI (MOUNTED ON ELEVATED CONCRETE OR MOUNTED ON FABRICATED PEDESTAL)

3. HIGH VOLUME MEDIUM PRESSURE BLOWER :

CAPACITY RANGE	10000 M3/HR to 820000 M3/HR
STATIC PRESSURE	25 MM OF WC to 2000 MM OF WC
MOC	MS / SS-304 / SS-316L / S690QL / SAILMA E350
TYPE OF DRIVE	BELT DRIVE / COUPLING DRIVE / DIRECT DRIVE
TYPE OF FAN	SWSI / DWDI (MOUNTED ON ELEVATED CONCRETE OR MOUNTED ON FABRICATED PEDESTAL)

4. TUBE AXIAL FAN / VAN AXIAL / ROOF EXTRACTOR FAN :

CAPACITY RANGE	2500 M3/HR to 130000 M3/HR
STATIC PRESSURE	1 INCH OF WC to 16 INCH OF WC
MOC	MS / CAST ALUMINUM
TYPE OF DRIVE	BELT DRIVE / DIRECT DRIVE

ACCESSORIES :

- Multi louvered Inlet & Outlet Damper
- Butterfly Type Damper
- Inlet Box
- Outlet Evase
- Aluminum Cooling Disc or Heat Slinger
- Shaft Seal (Gland Packing/ Labyrinth Type/ Dry Plate or Water cooling Type Mechanical Seal)
- Bearing Housing
- Drain Plug (Ball Valve / Flange or Coupling Type)
- Flexible Canvas Connection
- Gaskets (White Silicon / Red Silicon / Asbestoses)
- Companion Matching Flanges
- Cleanout or Access Door (Flange Type / Bolted Type)
- Belt guard (Wire Mesh Type)
- Anti Vibration Pad

APPLICATIONS :

- Spray Dryers & Ovens
- HVAC Ventilations
- Heat Exchangers
- Boiler
- Clean Room
- Kilns
- Industrial / Commercial Ventilation
- Dust Collection
- Pneumatic Conveying
- Pollution Control
- Cement Factory
- Food & Pharmaceutical
- Ceramics
- Bulk Material Handling
- Chemical Process Plants

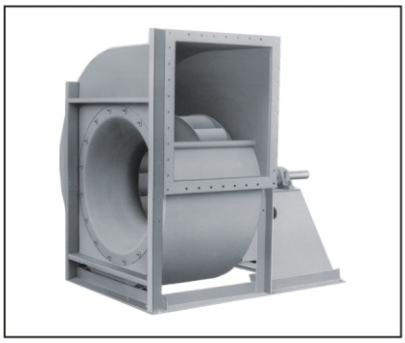
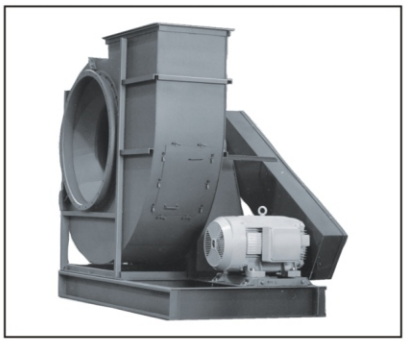
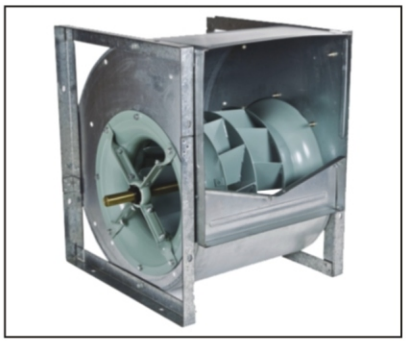
SERVICES:

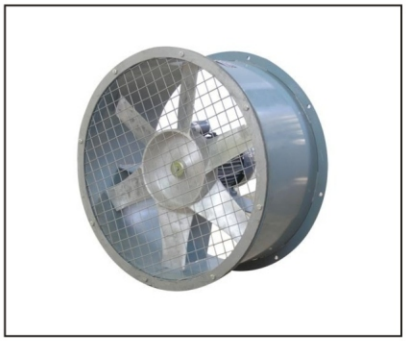
We offer an extensive Field Service Department for fan startup and troubleshooting. Fan assemblies can be quickly tested in the field or at works for a quick diagnosis of air, sound and vibration problems. Our technicians have the experience needed to repair or rebuild any fan manufacturer's equipment

SOME SERVICE FEATURE INCLUDES :

- Ability to repair, modify, and replace all fan manufacturer's designs and components.
- Ability to field measure difficult to replace components including wheels, Bearings, cones, shafts and more.
- We can rebalance any manufacturer's wheel/shaft assemblies in our facilities. Every fan is dynamically balanced before it is Dispatched
- PMI (positive material identification) test capability for critical components.
- We take the performance criteria from the existing system to produce a fan that meets or exceeds the dimensional and performance requirements of the customer.
- We assist our customers with bearing analysis, stress analysis, shaft critical speed, resonant speed, thermal effect and other factors that can cause problems.

PRODUCT PHOTOGRAPHS

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