



One Stop Shop For All Your  
Low Pressure Compressed Air Solutions



## **PRESSURE DIVISION CORPORATE CATALOGUE**

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We don't just offer "Blowers, Vacuum Pumps and Compressors"  
we offer **Energy Saving Solutions !!!**

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# PRESSURE DIVISION

## TWIN LOBE ROTARY AIR BLOWERS

Robust, tried & tested Positive Displacement Blowers for various Industrial Applications.

- Powerful, reliable & maintenance free
- 100% Oil Free Air Delivery
- Over 1,50,000 successful installations
- Available as bare blower units or complete package
- Air Cooled & Water Cooled configurations available

20 m<sup>3</sup>/hr to 20,000 m<sup>3</sup>/hr in single stage  
Up to 2bar(A)



## TRI-LOBE ROTARY AIR BLOWERS

Everest Tri-Lobe blowers are the latest design blowers with high capacities, reduced noise levels & reduced vibrations.

- Oil free air with contact less sealing, maintenance free
- High Efficiency
- Different configurations available for special applications
- 1,000's of units installed globally
- Air Cooled & Water Cooled configurations available

16 m<sup>3</sup>/hr to 20,000 m<sup>3</sup>/hr in single stage  
Up to 2bar(A)



## GAS BLOWERS ~ BIOGAS BLOWERS

Everest Gas Blowers include special features usually found only on premium grade blowers. These blowers are renowned for their quality, dependability & outstanding performance.

- 100% Leak tight construction
- 100% Oil Free Air Delivery with positive sealing arrangement
- Ideal for gases like Co<sub>2</sub>, Biogas, He, Nitrogen, Flue Gas, Air + Hydro carbon mixtures and many more
- Powerful, maintenance free and robust design
- Air Cooled & Water Cooled configurations available

50 m<sup>3</sup>/hr to 10,000 m<sup>3</sup>/hr in single stage  
Up to 2bar(A)



## VACUUM DUTY BLOWERS

- Suitable for vacuum upto 0.5 bar (A) (Single Stage)
- 100% Oil Free
- Powerful, maintenance free & robust design
- 1,000's of units running successfully
- Multistage configurations available for vacuum levels below 100 mbar

16 m<sup>3</sup>/hr to 20,000 m<sup>3</sup>/hr  
Up to 0.5 bar(A) (Single Stage)



## ACOUSTIC HOODS

Everest Sound reduction enclosures have been designed for effective noise reduction of blowers placed inside. Everest's economical design provides noise reduction of 12-25 dB(A) bringing down the total noise emitted to safe acceptable limits.



- Noise Control: Noise level reduction to the tune of 25-30% is achieved
- Mobility: The enclosures can be easily shifted or transported
- Ease of Maintenance: Adequate space is available inside the canopy for easy maintenance
- Elimination of Civil Work: Enclosures are suitable for open installation and hence require no separate building or shed

## SPARES & ACCESSORIES

Retain your advantage with factory genuine replacement parts & accessories. All parts meet original manufacturing specifications and tolerances for guaranteed fit and function. Pre-Packaged overall kits with detailed service manuals are available on request.

- Readily available
- Fast delivery
- Guaranteed fit and function
- Service kits for routine product maintenance



## MECHANICAL VAPOUR RECOMPRESSORS

Everest Mechanical Vapor Recompessors are the latest and first of its kind “Recompression Blowers” in India. These specially designed blowers are meant to handle “Steam Vapors” across itself, which can further be reused to recover the latent heat of vaporization, in-turn providing heavy savings in energy. These act as a very energy efficient and pollution free alternatives. MVR’s can typically be termed as **“Energy Recovery Equipments”**

- Robust & rugged design, proven technology, efficient performance
- Everest MVR’s have high grade material Gears, Special Bearings & Special Sealing arrangements
- Safety provisions incorporated
- Low on maintenance
- Wide applications: ZLD units, all process industries, distillation processes etc

Available for flow rates 200 kg/hr up to 6,000 kg/hr of water vapour.

$\Delta P$ : 100 mbar – 1 Bar(G)



## SIDE CHANNEL BLOWERS/REGENERATIVE BLOWERS VORTEX/RING BLOWERS

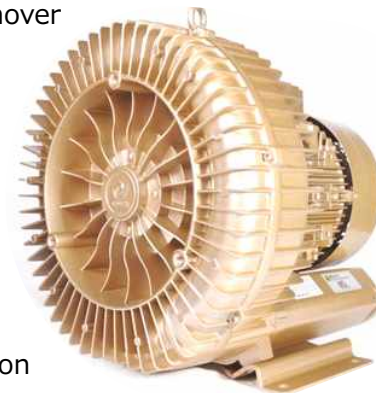
Everest side channel blowers, also known as Regenerative Blowers/Vortex Blowers/Ring Compressors/Turbine Blowers are designed for all areas where pulsation-free vacuum and pressure services are required. Sealed-for-life bearings, a fan-cooled drive and a non-contact impeller, Everest side channel blower is maintenance-free, environment-friendly as they require no operating fluids. An internal silencer allows to run very quietly, whilst the drive has energy-efficient motors. Special Anti-Corrosion blowers for highly corrosive environments & Anti-Explosion blowers for highly explosive environments are also available. Everest has introduced this product under special cooperation with Goorui, which originated from Hannover University, Germany in 1933.

- Die cast aluminum construction very robust product
- Sealed for life bearings
- Non-contact impeller - maintenance free
- Blower has internal silencer-very quiet running
- Special Anti-Corrosion Blower and Anti-Explosion Blower available
- Regenerative Blower are manufactured under special cooperation between Everest and Goorui (Hannover University, Germany)

Airflow: 45 - 2330 m<sup>3</sup>/hr

Pressure range: 80 – 1040 mbar

Vacuum range: 70 – 730 mbar



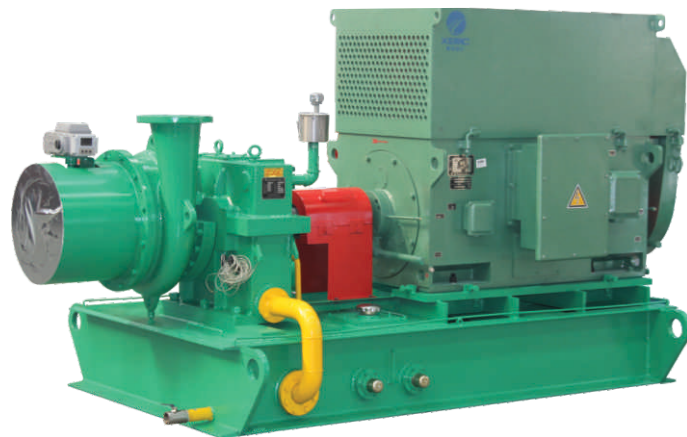


# PRESSURE DIVISION

## TURBO BLOWERS (INTEGRAL GEAR BOX DESIGN)

Everest is proud to introduce its new range of Single Stage High Speed Centrifugal Blowers (Turbo Blowers), which have been especially designed for FGD application & STP/ETP plants with high flow rate & pressure requirements.

- Compact structure, smaller size than Piston Compressor and Roots Blowers of same capacity
- Wide range of Impeller material: Forged Aluminum, Forged Steel or Stainless Steel
- Gear Box Design with Helical Type Nitrogen-hardening gears with more than 20 years life
- Wide Performance Range: With axial inlet guide vanes, flow capacity range can be adjusted from 45% to 110% of the designed value
- High Pressure Ratio, Max 3.0.
- Covers less floor space
- Reliable operation
- **Standard Unit** consists of High Speed Single Stage Centrifugal Blowers, Gear Box, Control Cabinet, Inlet Guide Vanes & Thin Oil Station



Flow: 60 m<sup>3</sup>/min to 1,000 m<sup>3</sup>/min  
Outlet Pressure: 1.5 kgf/cm<sup>2</sup>~2.8 kgf/cm<sup>2</sup>

## BIG SIZE ROOTS BLOWERS

Everest is proud to introduce its new range of EZR series PD Blowers. EZR series blowers are large size, high pressure rotary blowers which have been developed on our rich manufacturing experience to cater to the demand for large capacity & high pressure rotary blowers. It has a special rotor profile which results in a high efficiency & energy saving machine.

- Rotor with truss head involute profile, advanced and reasonable, with high efficiency.
- Forced lubrication for gears and bearings. The oil pump is driven by the blowers shaft, so no need for extra power. Also, we can use separate electrical power to drive the oil pump
- All models work in direct drive mode
- Available seals: Labyrinth seal, piston ring seal & air extracting seal
- Delivery medium: Air, semi water, gas
- Straight Gear instead of traditional skew gear to avoid excess shaft force which would affect bearing life



Pressure: 1,000 mmWC to 10,000 mmWC  
Flow: 317.9 m<sup>3</sup>/min to 1292 m<sup>3</sup>/min

# PRESSURE DIVISION

## HIGH SPEED CENTRIFUGAL BLOWERS & AIR KNIFE SYSTEMS

High Speed Centrifugal Blowers and Air Knife Systems are the most professional air knife drying systems designed to meet specific application needs while maximizing energy efficiency and lowering operational cost.

- Inherit Germany's advanced fluid dynamics technology & craftsman spirit
- Belt driven & direct drive models are available
- Stainless steel, Aluminum alloy, Conada effect-MOC available
- Stainless steel high speed nozzles, Spider air knives, Super air knives & Air wipes available for various drying & blow off applications
- Everest Air Knives are offered under special cooperation with RAETTS

Power: 3.0 kW~22kW  
Airflow: 450 - 2800 m<sup>3</sup>/hr  
Pressure: 380 mbar  
Vacuum: 350 mbar



## TURBO BLOWERS (AIR FOIL BEARING TECHNOLOGY)

Robust, tried & tested Everest Turbo Blowers for highest efficiency and lowest power consumption.

- Air foil bearing technology
- Suitable for long term air compression between 0.3-1 bar
- High energy saving compared to PD Blower
- Extremely economical and low cost of ownership
- Everest Turbo Blowers are offered under special cooperation with Namwon Turboone, South Korea

Flow: 3 – 500 m<sup>3</sup>/min  
Pressure: 3000 – 10000 mmWC  
Shaft Power: 10 – 600 hp





## INDUSTRIES SERVED PD BLOWERS & TURBO BLOWERS

Over 1,50,000 domestic & international installation of Everest Blowers are a proof of our reliability & strength, providing universal solutions in wide ranging applications such as:

- Water Treatment
- Sewage Treatment
- Biogas
- Cement
- Coal
- Textile
- Power
- Pneumatic Conveying
- Chemical
- Construction
- Aerospace
- Agriculture
- Energy
- Petrochemical
- Pharma
- Food Processing
- Sugar
- Metal Industries
- PaperGlass
- Plastics
- FGD - Flue Gas Desulfurization
- VPSA - Vacuum Pressure Swing Adsorption
- Truck Mounted Blowers (Vacuum Applications)



## WE ARE THE BIGGEST ROOTS BLOWER MANUFACTURERS IN INDIA

- Leading By Innovation
- Technically Stronger
- Physically More Connected
- Ready to take INDIA Global

Celebrating **40** Years

The World of Compressed Air Industry  
Now Gets Simplified Solutions !!!!

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Follow us



ISO 9001:2015 | ISO14001:2015 | OHSAS 18001:2007 Certified

More than 1,50,000 Everest Blowers are running in over 38 countries world wide.