



## EVEREST TRI LOBE ROTARY GAS COMPRESSORS

*Our technology is so flexible, we can custom manufacture "Special Gas Blowers" by alloying and cross linking diverse designs to suit individual requirements and import substitutes.*

*Tri-lobe technology means blowers have lobe tips exposed at 120° around the rotor instead of 180° as in a twin-lobe blower. This provides a stiffer rotor set, meaning less deflection at any load. These blowers have been designed to meet the specific demands of the industry and are ideal for continuous duty operation, and feature a sturdy design, reduced noise, reduced pulsations and vibrations, longer bearing life and minimal maintenance in mind. Everest Blowers are produced on the latest state-of-art CNC machines thereby ensuring a quality product. These blowers are designed for continuous duty service. Complete package units are shipped with all essential accessories and electric motor, ready to install, on plug and play concept. Everest Tri-Lobe blowers are supplied with built-in safety and monitoring equipment such as safety relief valve and pressure gauge. Bare Blowers are also available.*



### STANDARD ACCESSORIES

*Common Motor and Blower Base Frame with Motor Rails and Belt-Tightening Arrangement (Direct Drive also available), Belt Guard/Coupling Guard, Suction Air Filter, Suction Silencer, Pressure Gauge, Pressure Relief Valve (Spring Loaded), Pulleys and Belts/Coupling, Foundation Bolts, Interconnecting Line with Flanges, and Non-Return Valve. Instrumentation with controls are also available.*

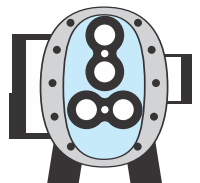
### PRODUCT RANGE

Air Blowers  
Water Cooled Blowers  
Gas Blowers  
Vacuum Booster Pumps  
Acoustic Hoods  
Enclosures  
Dry Vane Pumps

**WE JUST DON'T  
OFFER BLOWERS,  
WE OFFER  
SOLUTIONS!**

### STANDARD DESIGN AND CONSTRUCTION FEATURES

- ⊙ Anti-friction bearings
- ⊙ 100% oil free air delivery
- ⊙ Fail safe labyrinth sealing
- ⊙ Extended shaft design for cool running
- ⊙ Rigid one piece CI casing and end plates
- ⊙ Standard Orientation: Right Angle Flow
- ⊙ Alloy steel toughened shafts ground to close tolerances
- ⊙ Tri-Lobe construction having low pulsations and low noise
- ⊙ Alloy steel hardened and ground timing gears, oil splash lubricated
- ⊙ Improved volumetric efficiency and reduced operating temperatures
- ⊙ Dynamically balanced rotor shaft assembly (Grade 6.3 ISO 1940-1986)
- ⊙ Non-contact type labyrinth seals, with vent, resulting in lifelong sealing
- ⊙ Right angle flow orientation with suction top, resulting in smaller foot print
- ⊙ Tri Lobe Rotor design, suitable for both Pressure Duty and Vacuum Duty



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**EVEREST**



