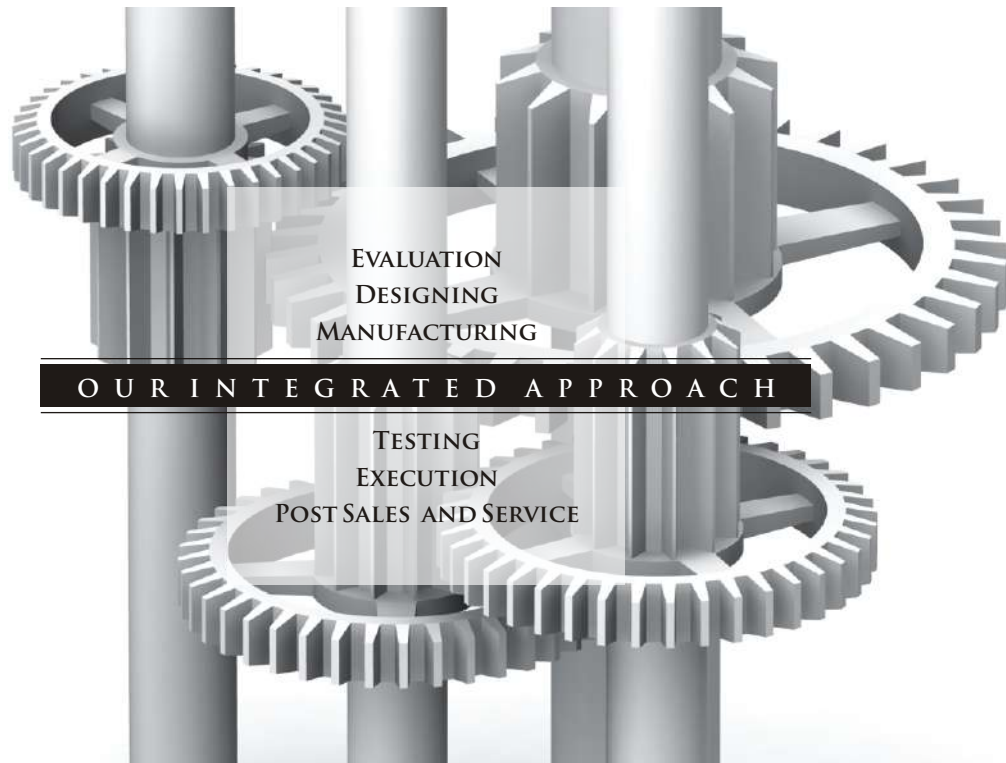


Empowering your Industrial Processes with our Vision and Ambitions



EVALUATION
DESIGNING
MANUFACTURING

OUR INTEGRATED APPROACH

TESTING
EXECUTION
POST SALES AND SERVICE



Redefining Vacuum thru Innovative Engineering

EVEREST started manufacturing Twin Lobe Rotary Air (Positive Displacement) Blowers way back in 1980. Over the years the company has expanded its technological base as well as setup, bringing a wide range of products. The current range of manufacturing includes Roots Blowers, Blower Packages, Industrial Vacuum Systems, Dry Screw Vacuum Pumps, Mechanical Vacuum Boosters and Specialized Engineered Vacuum Packages.

Established in 2007, Everest Vacuum today provides Dry, Clean and Sustainable Vacuum to all leading Chemical, Pharmaceutical and Process Industries with an objective to achieve lowest overall cost of ownership. Everest Vacuum today is amongst the leading manufacturers and suppliers of Dry Screw Vacuum Pumps, Mechanical Vacuum Boosters, Industrial Vacuum Systems and Engineered Vacuum Packages. Everest Vacuum is a leading supplier of innovative engineering solutions in the field of vacuum for Chemical, Pharmaceutical and various process industries. Today Everest Vacuum has a very strong focus on R&D with having our own inhouse

recognized R&D lab by DSIR, Government of India and continuously re-invest into R&D to update and provide to our customers the latest offering of energy efficient vacuum pumps with a singular objective of providing lowest total cost of ownership over lifecycle.

Everest Vacuum is a pioneer in the field of Dry Vacuum Pumps & has considerable knowledge and experience with more than 10 years of experience and 5000+ installations. Today, we are a young energetic team of well qualified engineers with a state of the art manufacturing facility. We have acquired vast knowledge and experience as a result of our association with leading Chemical and Pharma companies in supporting them to adopt this latest

DRY TECHNOLOGY which is power efficient, green and sustainable.

At Everest Vacuum our objective is to help people and companies to adapt to the use of latest technology to help them produce clean vacuum with lowest overall cost and move to the concept of vacuum as a utility.

**MARKET LEADERS
IN DESIGNING
AND IMPLEMENTING
END TO END
VACUUM SOLUTIONS**

EVEREST VACUUM HAS PLAYED AN INSTRUMENTAL ROLE IN PHASING OUT OUR CONVENTIONAL WET VACUUM SYSTEMS AND REPLACING THEM WITH THEIR DRY VACUUM TECHNOLOGY WHICH HAS NOT ONLY RESULTED IN SUBSTANTIAL COST SAVING BUT ALSO PRODUCTIVITY ENHANCEMENT.

—Kunal Sikchi, Managing Director, Matrix Fine Sciences Private Limited

Our Vision

EVEREST ► FIRST IN SIGHT, FIRST IN MIND

To be amongst the top 5 leading manufacturers and suppliers of Screw Vacuum Pumps, Mechanical Vacuum Boosters and Vacuum Systems thru innovation in product & processes by the year 2022, by employing competent, committed, and motivated manpower. To continue to achieve sustainable and quality growth.

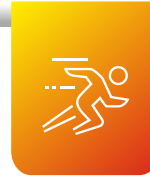
Our Mission

50 CRORES ► 500 CRORES ► 5 YEARS



Our Mission at Everest Vacuum is to provide innovative engineering solutions in the entire range of Vacuum by having State-of-the-Art Technology, Optimized Design, Excellence in R&D and Manufacturing with thrust on training and development of our employees.

Our USP



FASTER

No more coordination with multiple vendors. We get it all done faster with our technical expertise all under one roof.



RESILIENT

We ensure that the solutions designed by us are redundant and less prone to failure.



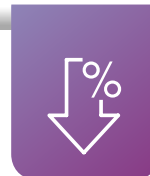
BETTER FUNCTIONALITY

We design solutions which are developed using diverse designs and cross-links to suit the most complex and demanding process requirements.



MULTI DOMAIN EXPERTISE

We today have experts from various fields who have rich experience in their individual domain, thereby ensuring a complete solution to our customer with lowest TCO and improved TPOL.



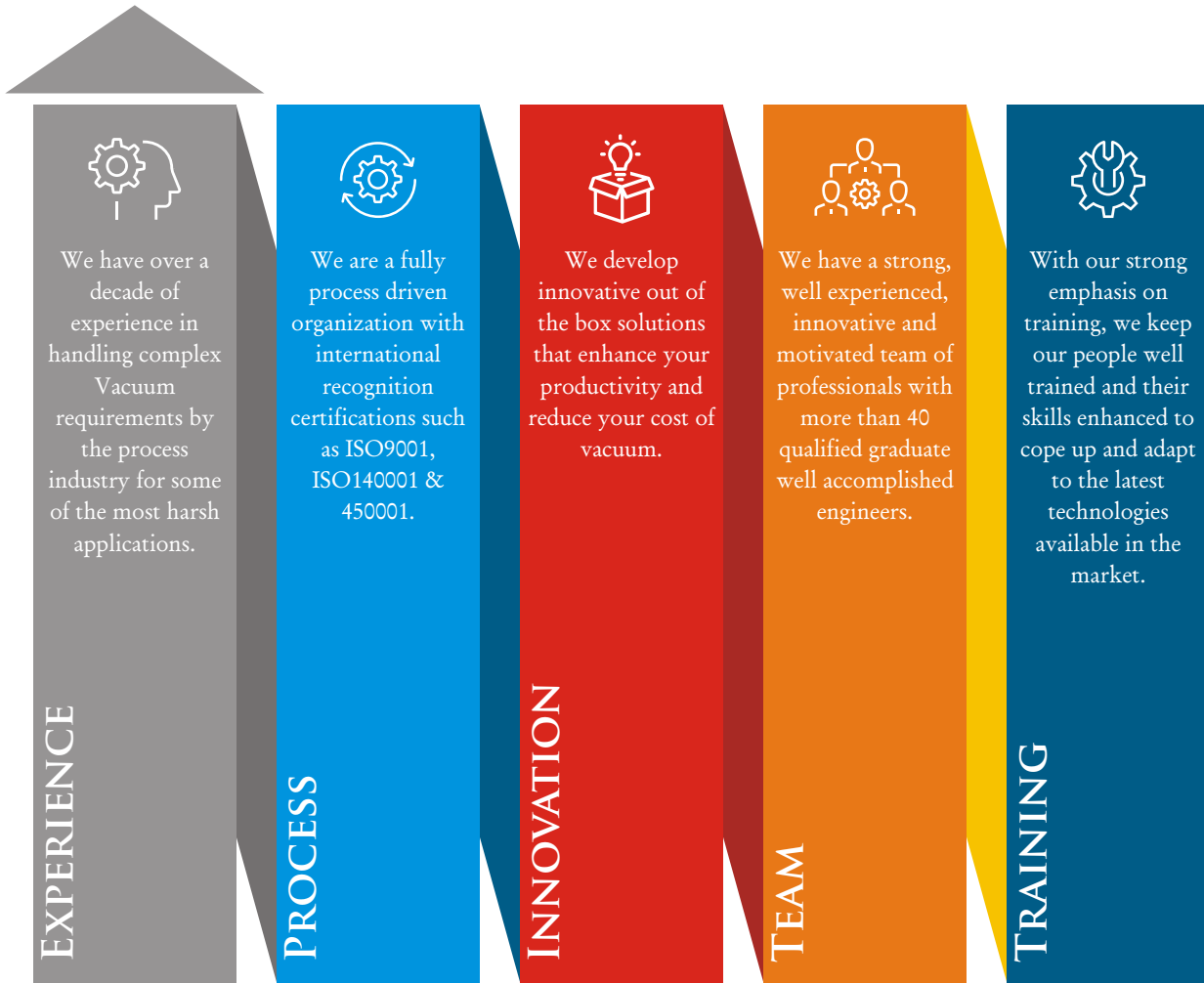
REDUCED COST

Our systems are so innovative and novel in design, that we offer great ROI to our customers with lowest Total Cost of Ownership (TCO) and improved Total Profitability Over Lifecycle.

WINNER OF NATIONAL AWARD (FIRST PRIZE) FOR EXCELLENCE IN ENERGY EFFICIENT PUMPS

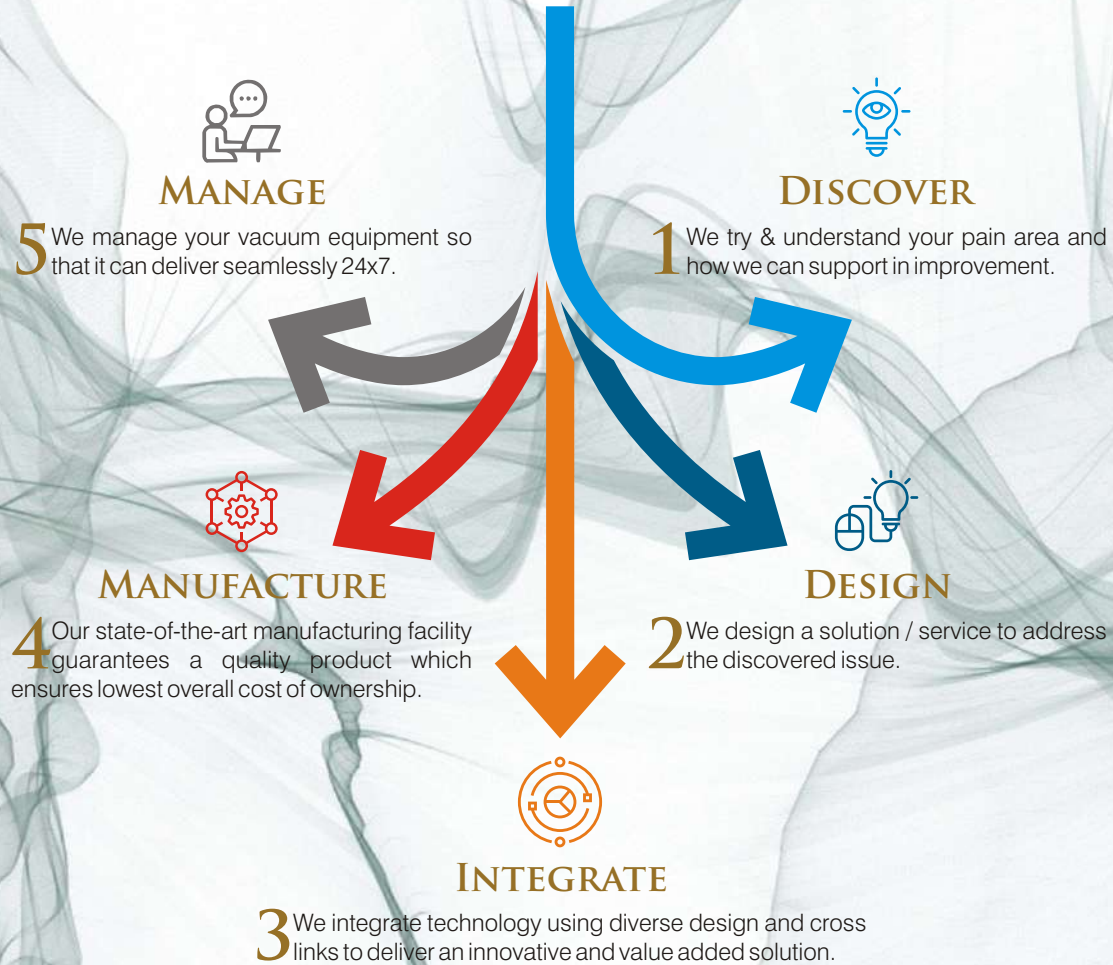
—Ministry of MSME, Government of India

Our Understanding



EVEREST VACUUM SYSTEMS OFFER SOME GREAT & LATEST TECHNOLOGIES IN THE FIELD OF VACUUM FOR THE PROCESS INDUSTRY. WE APPRECIATE THEM FOR ENGINEERING IN DEVELOPING CUSTOM BUILT DRY VACUUM PACKAGES RESULTING IN VERY HEAVY SAVINGS FOR US HERE AT SRF
—SRF Limited

Our Methodology





WE ARE VERY SATISFIED BY THE ENGINEERING & SERVICE SUPPORT EXTENDED BY EVEREST DURING THE SWITCH FROM CONVENTIONAL TO DRY TECHNOLOGY
—Bharat Rasayan Limited

DISCUSS
PAIN POINT AREA
AND POSSIBLE
SOLUTION

1

DESIGN
A SOLUTION
TO ADDRESS THE
PAIN POINT AREA

2

BRAINSTORM
ON THE SOLUTION
WITH ALL
STAKEHOLDERS

3

BOQ PREPARATION,
ENHANCEMENT
AND
OPTIMIZATION

4

MANUFACTURE
THE SOLUTION

5



Our Comprehensive and
Integrated Solution Approach

DELIVER

6

COMMISSION

7

MONITOR

8

FINAL TESTING
AND
DOCUMENTATION

9

HANDOVER

10

MECHANICAL VACUUM BOOSTER

EVEREST Mechanical Vacuum Boosters are built in two major configurations. The LIP SEAL and the SEAL LESS design. Both types become ideal for use as a booster pump to the backup in combination to boost the performance of the backup/ fore pump.

These Boosters are positive displacement machines which work on a unique characteristic to generate a Bell-Shaped pumping speed curve, unique to their design & characteristic. The high suction/displacement generated by them & ability to be mounted on any type of backup pumps makes them unique and a preferred choice of pump for use in a vast variety of applications.

FIRST OF ITS KIND

Canned Motor Mechanical Vacuum Booster
Installed at BARC, India



RANGE 250 m³/hr - 18,000 m³/hr | **PRESSURE** 0.001 mBar - 100 mBar | Power: 1.5KW - 50 KW

SUPERSCREW | (DRY SCREW VACUUM PUMP)

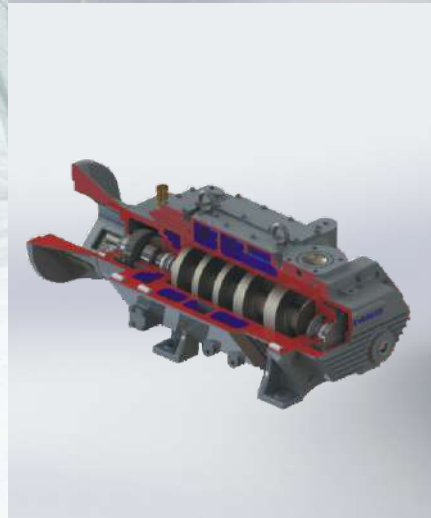
EVEREST SUPERSCREW Dry Screw Vacuum Pump comes in three configurations, STD, CX (Corrosive Applications), CL (Clean Applications). These pumps are amongst the latest technologies available in the market offering completely dry & clean vacuum as no sealing fluid is used to generate vacuum. Everest manufactures Generation-3, hybrid variable pitch Dry Screw Vacuum pumps which are about 30% more power efficient than the previous generations. These pumps have excellent vapour & liquid handling capacity and are based on the principle of positive displacement thereby offering consistent and stable vacuum to all critical processes. Since these pumps are completely Dry, they are extremely environmentally friendly with near to zero discharge of any effluent/ contamination.

SPECIAL FOR BETTER CORROSION RESISTANCE COATING

All wetted parts



RANGE 150 m³/hr - 3000 m³/hr | **PRESSURE** 0.075 mBar - 1150 mBar | Power: 3.7 KW - 55 KW



SUPERVAC | (DRY VACUUM PUMP)

EVEREST SUPERVAC are complete engineered dry vacuum packages consisting of Mechanical Vacuum Booster & Dry Screw Vacuum Pump along with a combination of allied accessories specific to industry and application. These systems are becoming very popular in various applications where customers' requirements are for Clean, Oil-Free Vacuum. The process vapor passes through the pumps without any contamination and is collected at the discharge of the system by a vent condenser thereby offering the customer a very efficient vapor recovery management to build an environment-friendly vacuum ecosystem. SuperVac typically has a single Mechanical Vacuum Booster however in some cases multiple stages are also used. The Pump and Booster are both the latest in technology dry pumps offering to our customer's high volumetric efficiency coupled with lower per/m³ consumed KW which results in an overall low total cost of ownership. SuperVac also comes in STD. , CX, CL configurations.

SUPERVAC ENJOYS
For Innovative Design and Reliability in Operation
A GOOD REPUTATION



RANGE 600 m³/hr - 18,000 m³/hr | **PRESSURE** 0.005 mBar - 1150 mBar

OILSYST VACUUM SYSTEM

EVEREST OILSYST is an engineered vacuum package consisting of two/three stages Mechanical Vacuum Booster combination along with a specially modified Liquid Ring Vacuum pump to be used typically in Oil Re-Refining applications wherein heavy process carryover is carried into the backup pump. The Liquid Ring Pumps used in an OILSYST have been specially modified to handle excessive load coming in because of heavy carbon carryover. These pumps are installed with Mechanical Seals as opposed to Gland Packing (std.). These vacuum packages come with Cyclone separator, Inline Condenser & Inline Filter as standard. With more than 100 such installations running, today Everest is very proud of this product and the way it has revolutionized efficiency, reliability & effectiveness of vacuum as a utility with minimizing effluent discharge.

LIQUID RING PUMPS
used in OilSyst System have been specially
modified to handle excessive load due to
heavy carbon carryover



RANGE 3500 m³/hr - 18,500 m³/hr | **PRESSURE** 0.005 mBar - 1013 mBar



Our Products

WRP SYSTEMS

EVEREST WRP Packages are a combination of a Mechanical Vacuum Booster and an LRP pump to form the LRP Vacuum Packages. These vacuum pumps are ideal for pumping wet gas mixtures (water-based) at coarse vacuum. Typically water is used as a sealing liquid in the backup pump and this gives good sealing characteristic in the process wherein the process vapour to be removed is also a derivative vapour of H₂O. This vacuum package has high popularity in the Food Processing Industry wherein water is being removed from the product to get concentrate and the process does not require a very high level of vacuum. This type of vacuum package offers the lowest overall cost of vacuum generation assuming vapour being pumped out is also water. This combination becomes an extremely sturdy combination system with very low cost of maintenance.

FOOD PROCESSING

Water is removed from the product to get concentrate and the process does not require a very high level of vacuum

RANGE 1200 m³/hr - 18,500 m³/hr | **PRESSURE** 1 mBar - 1013 mBar

MECHANICAL VAPOUR COMPRESSOR

EVEREST MVR/MVC are very unique designs of "Recompression Blowers". These special designs of machines have the capability to handle Steam Vapors thru itself. The vapour passes thru the machines, is further compressed and then re-sent into the evaporator wherein it will transfer this excessive latent head that it has gained as a resultant of passing thru the MVR(MVC) to generate one more equivalent mass of vapour and in this process condense itself. In this whole process substantial saving in cost of energy and utilities is delivered. These compressors act as very efficient pollution-free alternatives to existing technologies. MVRs come in special corrosion resistance material of construction along with special high-speed PTFE compound seals.

RECOMPRESSION BLOWERS

MVR|MVC have special corrosion resistance material of construction along with special high-speed PTFE compound seals.

RANGE 200 kg/hr - 6000 kg/hr (single module) | **PRESSURE** ΔP100 mBar - 1000 mBar



MECHANICAL VACUUM BOOSTERS | DRY SCREW VACUUM PUMPS | SUPERVAC | ROTARY VANE VACUUM PUMP
SUPERVANE | VACUUM SYSTEMS (WET) | ENGINEERED VACUUM SYSTEMS | MECHANICAL VAPOUR RECOMPRESSOR



SUPERVANE

EVEREST EMVO & SuperVane are used in a growing number of applications where a low-cost vacuum is required for the process industry. These pumps offer a compact plug & play vacuum. These pumps are amongst the most rugged in terms of operation and offer good reliability and ease of service which makes them a preferred choice of pump. Rotary vane technology has been continuously developed and optimized over the decades, with an emphasis on operational reliability and efficiency. Rotary vane vacuum pumps are known throughout the industry for their modern and energy-efficient vacuum generation, in a wide range of applications. Whether for intermittent or continuous use, you can rely on the pumps for long term consistent use. They have some limitations of generation of clean vacuum & operation under conditions where there is a possibility of process vapour entering the vacuum pumps & condensing & thus find limited use in the chemical & process industry. They are thus being fastly replaced by DRY pumping technology.

EMVO

RANGE EMVO 6 m3/hr - 630 m3/hr | **PRESSURE** 0.5 mBar - 1013 mBar

SuperVane

RANGE 400 m3/hr - 5000 m3/hr | **PRESSURE** 10.010 mBar - 1013 mBar

LTTE | LOW TEMPERATURE THERMAL EVAPORATOR

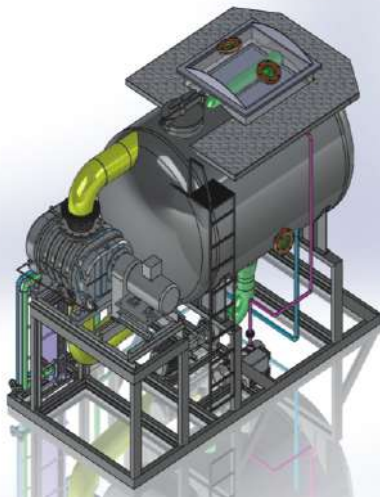
LTTE or Low Temperature Thermal Evaporator uses the principle of evaporating water at low temperature, low pressure typically around 60°C & 200 mBar (Under Vacuum) which is energy efficient. The vapour is compressed using a Mechanical Vapour Recompressor which compresses the vapor to a higher saturation temperature. The vapor is then re-condensed in an evaporator adequately designed to recover the latent heat and re-condense this vapor to generate another unit mass of vapor from dirty water. A specially designed heat exchanger with very low ΔT is deployed to carry out this efficient compression. The whole system is designed to be compact plug & play design to be deployed as a stand alone self sustaining system. This offers many unique advantages converting wastewater into 99% clean water without using any steam or chemicals thus having ZERO side-effects on the environment.

INNOVATIVE

Indian made focused on Sustainability

TECHNOLOGY

RANGE 350 Kg/hr-1500 kg/hr, effluent feed | **DISCHARGE** Upto 99% recovery, clean water with less than 50 PPM TDS.



Our Clients

Aarti Industries Limited
 Abbott India Limited
 Ajanta Pharma Limited
 Alkem Laboratories Limited
 Asian Paints Limited
 Aurobindo Pharma Limited
 Bharat Rasayan Limited
 Cadila Healthcare Limited
 Cipla Limited
 Divis Laboratories Limited
 Dr. Reddy's Laboratories Limited

Glaxosmithkline Pharmaceuticals Limited
 Gujarat Fluorochemicals Limited
 Haryana Leather Chemicals Limited
 Indo Amines Limited
 India Glycols Limited
 Ipca Laboratories Limited
 Jubilant Life Sciences Limited
 Kilburn Chemicals Limited
 Laurus Labs Limited
 Lupin Limited
 Natco Pharma Limited

Navin Fluorine International Limited
 Pidilite Industries Limited
 Piramal Enterprises Limited
 Pfizer Limited
 Sanofi India Limited
 Sun Pharmaceutical Industries Limited
 Torrent Pharmaceuticals Limited
 UPL Limited
 Vinati Organics Limited
and more...

Industries Served

CHEMICAL & PHARMACEUTICAL

Degassers
 Vacuum Distillation
 Evaporators
 Crystallizers
 Vacuum Filters
 Vacuum Dryers

VACUUM FURNACE INDUSTRY

Heat Treatment
 Hardening
 Optical Coating
 Metallizing
 Degreasers in Furnace

ELECTRICAL INDUSTRY

Transformer Vacuum Impregnation
 Transformer Oil Purifier
 Vapour Phase Drying

INDUSTRIAL PROCESSING

Impregnating Windings
 Drying Textiles Mills
 Sterilizing re-circulation through Ethylene Dioxide
 Incandescent CFL and Tube Light Manufacturing
 TV Tubes Manufacture

FOOD PROCESSING INDUSTRY

Vacuum Packaging-Fresh & Cooked Meats
 Freeze Drying
 Deodorization of Vegetable Oil (FFA Distillation)
 Sugar Refining
 Vacuum Evaporative Cooling
 Vacuum Tray Drying
 Flash Drying

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



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www.everestvacuum.com

We don't just offer **Blowers, Boosters and Systems** we offer **SOLUTIONS !!**