Over 350 employees

30,000 sq. yards state-of-the-art plant

Global clientele of over 5000 companies
Message from the founders

From a humble beginning in 1966 as a micro unit with small infrastructure to world’s second largest blower manufacturer, Kay International Pvt. Ltd. at Sonepat, Haryana, is at the forefront of manufacturing Twin/Tri Lobe (Roots Blowers), vacuum pumps and its systems in India. As a group, we are committed to strategic business development in infrastructure since our products have principal application in infrastructure, as the key to nation building in the 21st century.

Our solitary mission is to achieve excellence in design, production and service support to serve the best value-minded customers anywhere on the planet – be it Engineering, Cement or Environmental. Choosing courageously to either do it or not at all, separating ourselves from the pack with speed, creativity and service for fulfilling our obligations towards building a better India.
What makes us a Market leader

With over 50 years of delivering excellence, Kay International Pvt. Ltd. accomplished every milestone that came across the journey and received 'CE' and DQS Certifications for maintaining quality standards.

- **OUR EXPERIENCE**
  Products and service perfected with over 50 years of experience

- **OUR PLANT**
  2nd largest blower manufacturer in the world with a 30,000 square yards state-of-the-art plant

- **QUALITY CONTROL**
  Rigorous inspection and advanced testing technologies in place

- **CUSTOMIZATION**
  We can give tailor-made blowers as per your special construction material needs like Stainless steel, Bronze, Nickel/Chrome plating etc.

- **SERVICING**
  We also offer servicing and spare-parts replacement of imported blowers in 1:1 ratio

- **IMPORT SUBSTITUTES**
  With our vast experience, we have developed import substitutes of major international blowers
INNOVATION
Continuous innovation and upgradation

OUR DESIGNS
Our time-tested, compact, sturdy designs are engineered for continuous service

OUR REACH
Our operations are spread over major business centers in India including Ahmedabad, Bangalore, Chennai, Delhi, Durg, Kolkata, Pune and Mumbai

TECHNICAL SUPPORT
Our teams are highly trained and equipped to recommend and deliver the exact air blower system to your facility

OUR CLIENTS
Clients across India, other Asian, European and Middle Eastern Countries

INNOVATION
Continuous innovation and upgradation

We appreciate the prompt and efficient after sales service of Kay International Pvt. Ltd. and wish them all the success. The company has supplied Twin and Tri-Lobe blowers for our plant and both the blowers are working satisfactorily.

GAJENDRA BHUYAN
ADITYA BIRLA HINDALCO

We appreciate the effort put in by Kay International Pvt. Ltd. for supplying Twin Lobe Compressors which are running satisfactorily in our Lime Kiln Plant. We are tremendously satisfied with the after sales service rendered by the company.

PN KAPOOR (SUPDT. REFR. PRODUCTION)
THE TATA IRON AND STEEL COMPANY LIMITED
SOLID DESIGN
Our compact, sturdy design is engineered for continuous service when operated in accordance with speed and pressure ratings. Timing gears are secured to the shaft with taper mounting and locknuts. This eliminates the need for unreliable taper pins, aiding field maintenance. Spherical roller bearings are engineered for reliable and long service life. All rotating parts like impellers and pulleys are dynamically balanced to avoid undue load on the bearings.

EFFICIENCY AND RELIABILITY
Each product has computer calculated profiles and is precision machined on the latest CNC equipment assuring close tolerance between the impellers, casing and side plates to minimize "back slippage" of air, improving efficiency and reliability.

SMOOTH OPERATION
Precision hardened and ground helical steel gears are used to ensure smooth, silent running and accurate timing of the rotating impellers. A controlled lubrication system is provided to ensure efficient operation without wastage of energy in the gear case.

HIGH STANDARDS
Performance tests are conducted on all our machines and components as per BS standard 1571 Part II under the most arduous design conditions before dispatch. Kay Rotary Twin/Tri- Lobe Compressors are designed, manufactured and supported with maintenance as per ISO 9001 standards.

STRINGENT TESTS
Measurement of characteristics (flow, pressure, power) and vibration measurements analysis are taken and recorded. Noise level measurement can be done after the installation of the compressor at site. We also offer quality control program, technical documentation, special calculations, or certificates of compliance to ASTM, DIN AND ISI codes, if required.

A COMPLETE SOLUTION
Kay products may be supplied as a self-contained package unit consisting of base frame, safety valve, suction filter, suction silencer, discharge silencer, non-return valve, pressure gauge, anti-vibration pads, v-belts and v-belt guards / coupling and coupling guards, drive and driven pulleys, set of special tools, foundation bolts and interconnecting pipings with flange or alternatively with any of the above items, specified as optional equipment.

ECO-FRIENDLY MACHINES
Our research for energy conservation, safety during operation and optimization of the manufacturing processes is undertaken to meet your expectations, while preserving the environment and natural resources. Committed to persistent innovative effort, Kay engages important resources for research and development to offer state-of-the-art solutions.
The industries we serve

With clients across India, other Asian, European and Middle Eastern Countries, our high-quality products are widely used in varied industries like:

• Cement Plants
• Thermal Plants (FGD, CBFC, Lime Kiln, Ash Handling, Fluidizing)
• Metallurgy
• Waste Water Treatment Plants
• Sugar Plants
• Steel Plants
• Ice Factories
• Gas Plants / COG Gas Booster
• Chemical Plants

• Hospitals
• Tanning Industry
• Pharmaceutical Industry
• Food & Agriculture Industry
• Glass Industry
• Power Plants
• Paper Industry
• GLS Lamp Plants
• Textile Industry
• Bulk Transport Vehicles
• Detergents

• Wood
• Mining
• Nuclear Plants and many more...

APPLICATIONS
• Pressure / Vacuum: Gases (H2, He, CO2, COG, Bio Gas etc. as Gas Boosters)

Our air blower solutions were chosen by public sector giants like ‘Nuclear Power Corporation Of India’ and ‘Bhabha Atomic Research Centre’ to substitute their existing fully imported blowers. This is a true testimony to our finest quality yet cost-effective solutions, that have also marked their presence in the rapidly growing and highly demanding international markets across industries. Apart from this, many major Indian corporates use our products for their specific needs.
Roots air blower / lobe compressor is a positive displacement, constant volume machine to operate against varying pressures. With each revolution, the compressor delivers a metered amount of air measured at inlet conditions.

It employs two lobe / three lobe impellers mounted on parallel shafts, rotating in opposite directions within a casing closed at the ends by side plates. As the impellers rotate, air is drawn into one side of the casing and forced out of the opposite side against the existing pressures.
Vacuum Pumps work in accordance with the proven rotary vane technology. With the help of self-lubricating rotor vanes, no operating fluid is necessary. The compression occurs as part of a completely dry process.

A consistent high vacuum level in continuous operation is guaranteed through perfectly coordinated materials. Special graphite vanes in the compression chamber, effective heat discharge and state-of-the-art and precise manufacturing.

An optional non-return valve prevents air from going back into the vacuum chamber when the vacuum pump is switched off. The unit is driven by an integrated motor which has a high level of efficiency. The compressor version works almost pulsation-free and completely oil-free. A powerful cooling fan guarantees good heat removal from the motor and the pump.

Acoustic Hood covers the complete blower and motor arrangement. Its fully sound proof cabin decreases the overall sound of the system to the accepted norms as per IS specifications. Provision of exhaust fan decreases heat in the chamber and fixing of the anchor bolts results in rigid base to the acoustic hood. This is a very effective enclosure to provide noise reduction upto 15 to 20 DBA or more, to comply with international standards of noise level. It is also available for all blowers and models.

The sound reduction enclosures are specially designed to reduce noise pollution to suit the local environment. These are engineered to take care of air intake and out-throw, resulting in a pleasing and attractive design.
Some of our esteemed clients

- RELIANCE INDUSTRIES LTD
- ULTRATECH CEMENT
- JK LAKSHMI CEMENTS
- MOTHER DAIRY
- IFFCO
- JK TYRE
- ITC
- GODREJ
AND MANY MORE...
HEAD OFFICE

KAY INTERNATIONAL PRIVATE LIMITED
Plot No-64, Phase-5, Sec-53, Industrial Estate Kundli,
Sonepat (Haryana) – 131028 INDIA.
Phone: 0130-4091061/63
Email: enquiry@kayblowers.com
info@kayblowers.com

BRANCH OFFICES

AHMEDABAD
403, Shagun Complex, Opp. Fairdeal House,
B/h St. Xavier’s Girls Hostel, C.G. Road,
Ahmedabad - 380 009
Phone:+91 (79) 40301190
Email: ahmedabad@kayblowers.com

DURG
Shri Krishna Enterprises,
30, Industrial Estate,
Dhaminda Road, Durg - 491 001
Phone: +91 (788) 2216945 / 2216897
Email: skedurg@gmail.com

BENGALURU
307, Ahuja Chambers 1,
Kumara Krupa Road,
Bengaluru-560 001
Phone:+91 (80) 41571217, 22286229
Email: bangalore@kayblowers.com

KOLKATA
Chitrakoot Building, 230A, AJC Bose Road,
7th Floor, Room No-73,
Kolkata-700 020
Phone: +91 (33) 46034553
Email:kolkata@kayblowers.com

CHENNAI
Office#18, 3rd Floor, Khaleeli center,
146/149, Montieth Road, Egmore,
Chennai-600 008
Phone: +91 (44) 28554337
Email: chennai@kayblowers.com

MUMBAI
417, Raheja Chambers,
213, Nariman Point,
Mumbai-400 021
Phone: +91 (22) 22834506
Email: mumbai@kayblowers.com

www.kayblowers.com