

<sup>TM</sup>  
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**Jaquaar Industrial Equipments** is a sister concern of Air Power Compressor Industries Group of Companies, a manufacturer and distributor since 2000 specializing in the sales and service of compressed air equipment.

We service and support most major brands of compressed air equipment available in the market today. Unlike other distributors who are limited to a single brand or model, Air Power Compressor offers a wide range of solutions, including compressors, vacuum pumps, and dryers, tailored to meet our customers' specific applications.

Air Power Compressor Industries is a leading provider of high-quality air compression solutions designed for diverse industrial applications. Built on a commitment to reliability and innovation, the company has grown significantly over the years, establishing a strong reputation across sectors such as manufacturing, construction, and automotive.

Founded on the principles of quality, performance, and customer satisfaction, we have built a strong reputation over the years as a trusted partner in the compressed air industry. Our extensive product portfolio includes **Rotary Screw Compressors, Reciprocating Compressors, Portable Air Compressors, Gas Compressors, Oil-Free Air Compressors, and Air Receivers**, along with a wide range of air treatment solutions such as dryers, filters, and pressure regulators.

At Jaquaar Industrial Equipments Industries, we understand that every business has unique needs. That's why we offer customized solutions tailored to specific operational requirements, ensuring optimal performance and energy efficiency. Our team of experienced professionals is dedicated to providing expert guidance, from the initial consultation through installation and ongoing support.

## Screw air compressor

### Single Stage



A single-stage screw air compressor uses two interlocking helical rotors to compress air efficiently. Compared to traditional reciprocating compressors, it is more durable, requires less maintenance, runs quietly, and offers a longer lifespan. Available in oil-free versions for clean-air applications, it is widely used in industries like manufacturing and automotive, providing a reliable and compact solution for continuous operation.

## 2 Stage Premium Efficiency Energy Saving



### TWO STAGE

A two-stage screw air compressor with premium efficiency is engineered for optimal energy savings and high-quality compressed air delivery. This design features two sets of helical rotors—one for initial compression and another for further compression—allowing for higher compression ratios and improved overall efficiency compared to single-stage models.

By operating at lower discharge temperatures, these compressors significantly reduce the energy required for cooling, leading to substantial operational cost savings.

## Piston air compressor

**A piston air compressor (reciprocating compressor)** uses a piston and crankshaft to compress air within a cylinder and store it in a tank. Known for its simplicity, affordability, and versatility, it is available in single-stage and multi-stage models for different pressure needs. Though noisier and requiring more maintenance than rotary compressors, its robust design and high-pressure output make it ideal for powering pneumatic tools, inflating tires, and industrial applications.



These compressors are widely used in workshops, garages, and manufacturing plants. They are easy to install and can be tailored for both light-duty and heavy-duty tasks. With proper maintenance, piston compressors deliver reliable performance and long service life.

## CO<sub>2</sub> Gas Compressor

A **CO<sub>2</sub> gas compressor** is specifically designed to compress carbon dioxide for diverse applications, including refrigeration, beverage carbonation, and various industrial processes. These compressors work by reducing the gas volume and increasing its pressure for storage or transport. Depending on the requirements, they are built in either reciprocating or rotary screw designs. Since CO<sub>2</sub> has unique properties under high pressures and low temperatures, these compressors are manufactured with durable materials capable of withstanding such conditions.



Modern CO<sub>2</sub> compressors are often equipped with advanced control systems to monitor and optimize performance, ensuring energy efficiency and reliability. Their ability to maintain gas purity and handle high pressures makes them essential across industries such as food and beverage, pharmaceuticals, and even environmental projects like carbon capture and sequestration. By combining robust design with efficiency, CO<sub>2</sub> compressors provide a dependable solution for both commercial and industrial needs.

## High pressure oil free air compressor for PET

A **high-pressure oil-free air compressor for PET** (polyethylene terephthalate) applications is designed to deliver clean, high-pressure air essential for PET bottle production and injection molding. Using advanced screw or diaphragm technologies, these compressors ensure oil-free operation, eliminating contamination risks. With pressures ranging from 100 to 150 psi or higher, they meet manufacturing demands while maintaining energy efficiency. Their robust yet compact design ensures durability and adaptability for continuous operation in various production setups.



In the PET industry, these compressors are vital for bottle blowing, powering pneumatic tools, and other processes that require clean, high-pressure air. By ensuring contaminant-free performance, they protect product integrity while supporting consistent production efficiency, making them an indispensable asset for modern PET manufacturing.

## Air booster for PET glowing

An **air booster for PET blowing** is a specialized device designed to increase the pressure of compressed air used in PET bottle production. It takes in lower-pressure air and elevates it to the high pressures required for the blow molding process, ensuring consistent and efficient bottle formation. By providing the necessary pressure for rapid and uniform expansion of the PET material, air boosters help achieve precise shapes and sizes in the final products. Their compact and energy-efficient design allows manufacturers to optimize production while minimizing energy consumption.



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These air boosters play a crucial role in improving cycle times and overall productivity in PET bottle manufacturing. With reliable performance and the ability to deliver consistent high-pressure air, they enhance product quality and uniformity, meeting the stringent standards of the beverage and packaging industries.

## Air dryers

**Air dryers** are essential devices that remove moisture from compressed air, ensuring reliable performance in applications such as industrial processes, pneumatic tools, and HVAC systems. By eliminating water vapor, they prevent corrosion, equipment damage, and product spoilage, safeguarding both machinery and output quality.



There are several types of air dryers to suit different needs: refrigerated air dryers cool the air to condense moisture, desiccant air dryers use moisture-absorbing materials for very low humidity, membrane air dryers remove water vapor through semi-permeable membranes, and cyclone separators eliminate bulk moisture and particles before the air reaches the dryer. Choosing the right dryer depends on required humidity levels and energy efficiency, and regular maintenance is essential for optimal performance and longevity.

## Vaccum Pump

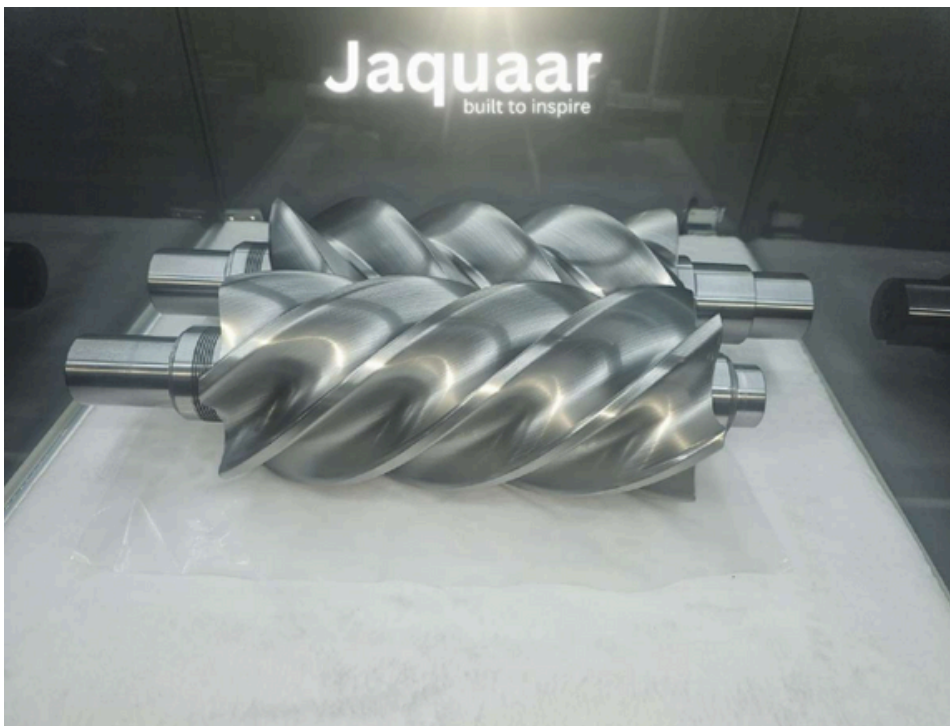
A **vacuum pump** is a device designed to create a vacuum by removing gas molecules from a sealed volume, lowering the pressure inside the chamber. This capability enables a wide range of applications across industries, from laboratory experiments to manufacturing processes such as vacuum-sealed packaging, and even medical devices like suction apparatus.



Vacuum pumps come in various types, including positive displacement, momentum transfer, and entrapment pumps, each suited for specific requirements. Their effectiveness is measured by how low a pressure they can achieve and maintain, making them essential for processes that require a controlled, contaminant-free environment.

## Air accessories

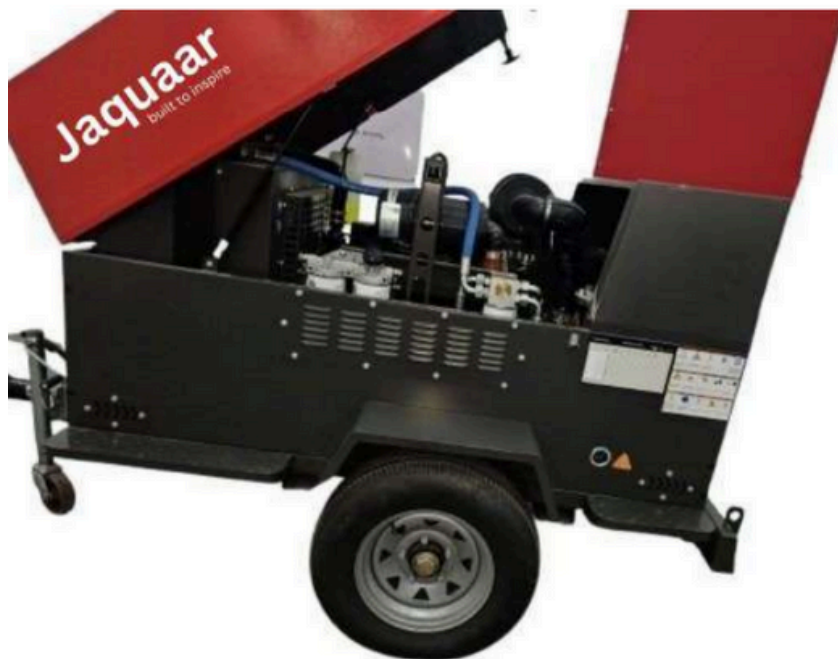
**Air accessories** are essential components that enhance the performance, safety, and efficiency of compressed air systems across various applications. Key accessories include filters, which remove contaminants like dust, oil, and moisture; regulators, which maintain consistent air pressure; and lubricators, which provide proper lubrication to pneumatic tools.



Other important components include hoses and connectors for smooth air delivery, quick couplers for easy tool attachment and detachment, and pressure gauges to monitor and adjust air pressure. By using these accessories, users can maximize system efficiency, prolong equipment life, and ensure reliable operation in a wide range of industrial and commercial settings.

## Borewell Compressor

A **borewell compressor** is a specialized device used to extract water from deep underground sources through borewells. It works by generating high-pressure air that lifts water from depths that conventional pumps may not reach. Typically powered by electric motors or diesel engines, these compressors employ air-lifting technology to push water to the surface efficiently.



Borewell compressors are widely used in agriculture, construction, and remote areas where access to groundwater is essential. Known for their reliability and ability to operate in challenging conditions, they are crucial for effective water management. Proper installation and regular maintenance ensure optimal performance and a long service life.



# Jaquaar

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