



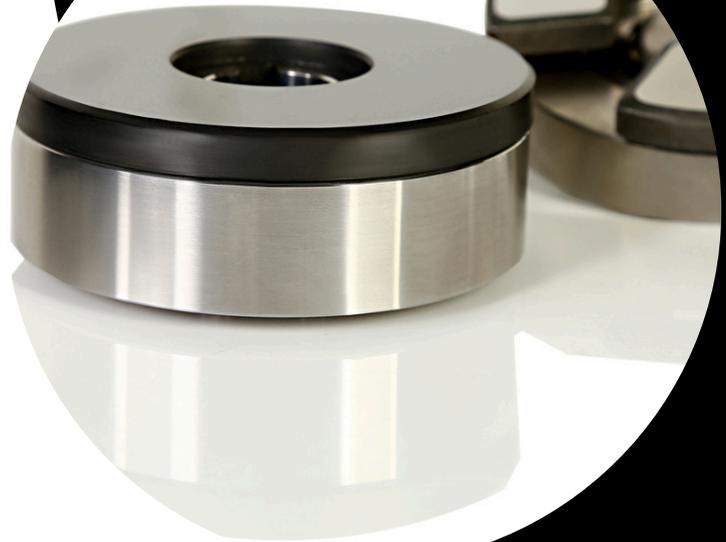
**20 YEARS
EXPERIENCE IN
INNOVATIVE
CARBON
PRODUCTS**





INNOVATIVE
RESILIENT
ROBUST

About Company



Lakshmi Carbons stands as a stalwart in the manufacturing landscape, specializing in carbon-based products with a rich history spanning over 20 years in the pump industry. Our unwavering commitment to excellence has propelled us to the forefront of the industry, catering to the diverse carbon product needs in various industries.

At Lakshmi Carbons, we take pride in being a leading manufacturer of carbon and graphite bearings, nestled in the vibrant landscape of India. Our core focus lies in crafting high-quality Thrust bearings and Bushes tailored to meet the rigorous demands of various industries, including submersible pumps, chemical & slurry pumps, and HVAC units.





What Sets Us Apart:

Precision Engineering: Our products are meticulously engineered to deliver optimal performance, ensuring smooth operation and extended longevity for your equipment.

Quality Assurance: We adhere to stringent quality standards throughout our manufacturing process, ensuring that each bearing meets or exceeds industry benchmarks.

Custom Solutions: Understanding the diverse needs of our clients, we offer customizable solutions tailored to specific requirements, ensuring a perfect fit for every application.

Our **MISSION** is to engineer and manufacture high-quality carbon thrust bearings, radial bearings, and sealing rings for submersible and chemical pumps. With 20 years of industry expertise, we are committed to providing reliable and innovative solutions that optimize pump performance and ensure operational efficiency. Through our dedication to excellence, exceptional customer service, and continuous improvement, we aim to be the trusted partner for pump manufacturers worldwide.

Our **VISION** is to be the global leader in the mechanical carbon industry. We strive to set the industry standard by delivering superior products that exceed customer expectations in reliability, durability, and performance. By leveraging our technical expertise, embracing advancements in materials and manufacturing techniques, and fostering collaborative relationships, we envision a future where our solutions play a critical role in optimizing pump efficiency and enabling sustainable and efficient water management worldwide.



Our Products



Carbon/Graphite Bearings:

Designed to withstand varying thrust loads, our Carbon Thrust Bearings ranging from 3 inches to 12 inches, cater to a power range of 0.5HP to 300HP, ensuring optimal performance in submersible motors and vertical or horizontal pumps.

Carbon/Graphite Radial Bearings:

Crafted with precision, our Metal and Resin impregnated Radial Bushes offer friction-free performance ideal for submersible motor requirements, enhancing overall efficiency by reducing starting currents.



Why Choose Us:

Reliability: Count on us for consistent quality and performance.

Expertise: Benefit from our extensive experience and expertise in carbon/graphite bearing manufacturing.

Customer Satisfaction: Your satisfaction is our priority, and we go above and beyond to exceed your expectations.



Graphite Sealing Rings:

Renowned for their reliability, our Graphite Sealing Rings find critical application in defence aircraft engines, offering superior performance in static and dynamic aerospace sealing ring applications across various sectors.

Stuffing Box Bushes:

A throat bushing in a pump isolates the mechanical seal environment from the overall flow within the pump. By changing the clearance at the throat bushing, pressure in the seal chamber and seal flush flow rate can be manipulated to provide a better sealing environment.



Carbon Damper Piston Assembly:

Used in the fuel injector assemblies of diesel engines, the carbon damper piston assembly ensures precise damping and smooth operation of the injection mechanism even under demanding engine conditions.



Carbon/Graphite Mechanical Seals:

Designed for high-performance sealing in pumps, compressors, and agitators, our carbon/graphite mechanical seals offer exceptional chemical resistance, low friction, and excellent thermal conductivity. Suitable for handling corrosive fluids and high-temperature operations, they ensure long-lasting reliability and minimal wear in dynamic sealing applications.

Carbon Rotary Joints / Steam Joints:

Engineered for rotating equipment that transfers steam, water, oil, or other media, our rotary joints made from carbon/graphite materials provide superior heat resistance, dimensional stability, and low friction. Ideal for textile, paper, plastic, and chemical industries, these joints ensure smooth rotary motion and leak-free operation under extreme temperatures and pressures.





Carbon/Graphite Stoker Bush:

In paper and pulp mills, carbon stoker bushes are crucial components in boiler feed systems and fuel-feeding mechanisms. Designed to perform under high temperatures and abrasive conditions, these bushes offer excellent thermal shock resistance and self-lubrication. Their robust design ensures trouble-free operation in continuous processes like biomass or coal-fired boiler systems, helping maintain a consistent energy supply and reducing downtime.



Graphite Gland Rings:

Our carbon/graphite gland rings are ideal for sealing shafts in pumps, valves, turbines and mixers, especially in high-temperature and corrosive environments. They provide excellent wear resistance, thermal stability, and a low coefficient of friction, reducing leakage and maintenance downtime in both static and dynamic sealing conditions.

Carbon Vanes and Rotors:

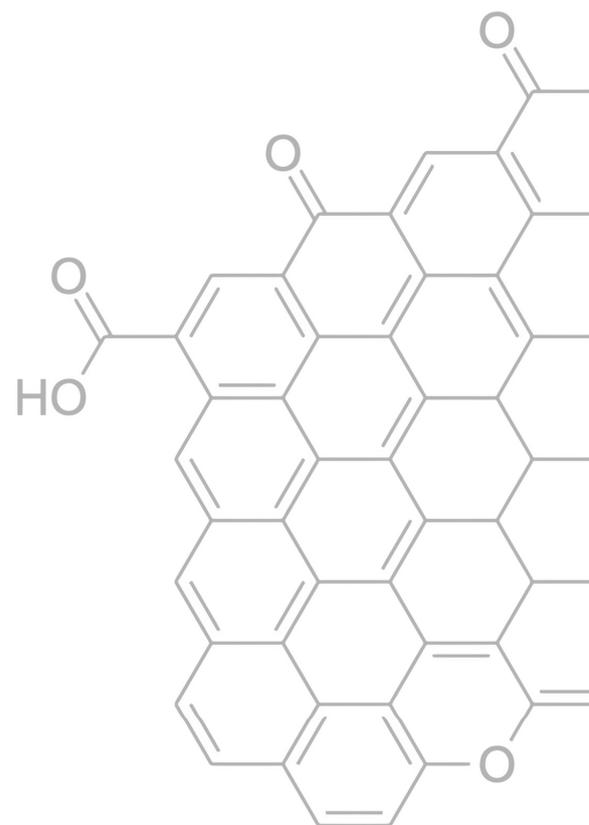
Perfect for dry and wet-running vacuum pumps, compressors, and air motors, our carbon vanes and rotors exhibit excellent self-lubricating properties and wear resistance. They deliver high efficiency, low noise, and extended service life even under demanding operating conditions, ensuring consistent performance in rotary vane systems.



Why Carbon?



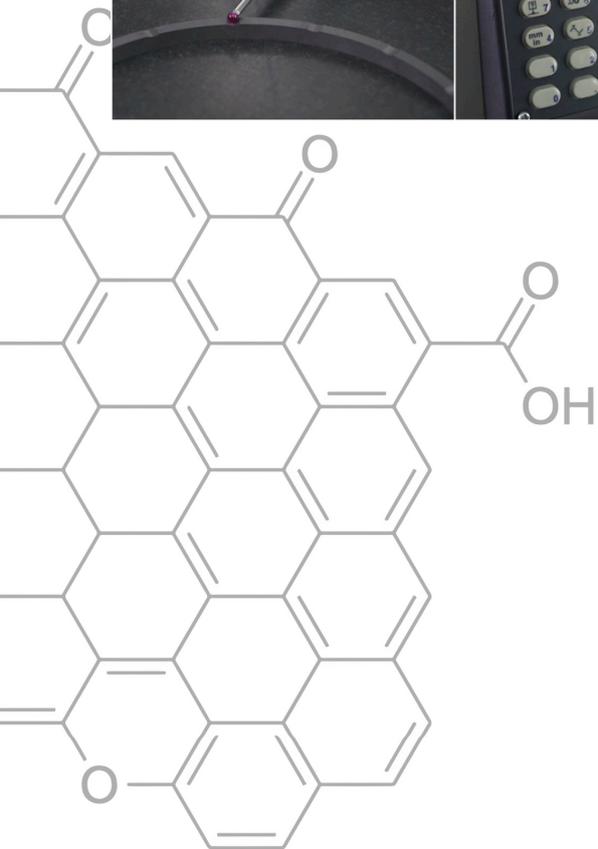
- Self Lubricating
- High Wear Resistance
- Low Co-efficient of Friction
- Low Thermal Conductivity
- Low Thermal Expansion
- Excellent Chemical Resistance
- Dimensional Stability
- Resistance to Thermal Shock
- Friction Free Movement



Quality Assurance:

At Lakshmi Carbons, quality remains paramount. With a dedicated testing lab within our factory premises, we ensure stringent adherence to all quality parameters, delivering products that exceed customer expectations.

Our quality testing lab is equipped with state-of-the-art technologies and instruments to ensure the reliability and durability of each bearings.



We have forged strong partnerships with major pump manufacturers in India, the UK, Turkey and UAE supplying them with top-of-the-line bearings that power their innovative pumping solutions. We take pride in our products serving high-end applications in the field and our customer base is a testament to our commitment and determination in quality.



Contact Us



+91 96777 29630, +91 87540 38151



info@lakshmicarbons.com



www.lakshmicarbons.com



38E, Raja Thottam,
Karupparayanpalayam Road,
Mylampatti Post, Coimbatore
641062