

GLOBAL SUPPLIERS | INNOVATIVE CARBON PRODUCTS

**L**Lakshmi Carbons



SETTING STANDARDS  
ACROSS INDUSTRIES

**RESILIENT**

SAFE, RELIABLE AND  
TROUBLEFREE

**INNOVATIVE**

CORROSION FREE  
PRODUT LINES

**ROBUST**



# **Innovation backed by resources**

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We are one of the world's leading manufacturers of carbon-based products. Our comprehensive portfolio ranges from carbon and graphite products to carbon fibers and composites. We focus on creating innovative solutions and value for our customers. We know this material in all its variety and work hand-in-hand with our customers to find innovative solutions made from carbon



**ADVANCED MACHINING  
TECHNOLOGY FOR  
WITH COMPREHENSIVE  
PRODUCT PORTFOLIO**

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# **Innovative Carbon Product Manufacturing**

Lakshmi Carbons - one of the worldwide leading manufacturers of carbon-based products.

We are a carbon products manufacturer, serving a variety of industries. With a history of more than 20 years in the pump industry, Lakshmi Carbons has been embarked on to meet the carbon product needs of the pump industry, and also those industries that require carbon components.

Leading expertise in the development, production and processing of carbon and their tribological behaviors. Our highly specialized technology portfolio includes seal and pump components for use in the automotive, chemical, Textile and power plant technologies and in aircrafts.

We have an in-depth materials, production, applications and engineering expertise, a comprehensive graphite and carbon fiber based product portfolio, and an integrated value chain from carbon fibers to composites. We operate close to our customers through a global sales network and state-of-the-art production site in Coimbatore, India



# PRODUCT PORTFOLIO

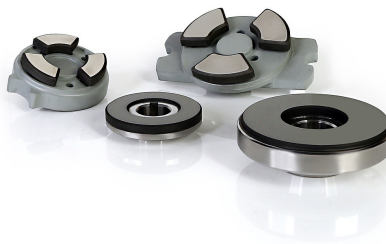
INDUSTRY SOLUTIONS

Lakshmi Carbons has a comprehensive product and technology portfolio that focuses on four fields of carbon

Capable of being produced to a range of bespoke customer specifications, we have the capacity to manufacture to custom dimensions and requirements.

Carbon materials exhibit unique properties such as good electrical and thermal conductivity, heat and corrosion resistance, low friction, and reduced weight while at the same time maintaining high strength. Due to the shortage of energy and raw materials, our high performance products made from carbon are in increasingly high demand in industries.

**"Developed using superior grade material, under the guidance of our qualified professionals"**





# MECHANICAL SEALS

FOR POWER PLANTS

Our mechanical seals, a key component in the operation of power plants enjoy an outstanding reputation amongst our customers. Their functional reliability, even under extreme operating conditions, is also impressive. Our mechanical seals combine many unique advantages and make applications possible under the toughest conditions in power plants.

Over the course of our partnership with the power industry, we have developed a range of standard, high-grade solutions which meet many of the industry's diverse needs.



# STOCKER BUSHES /BEARINGS

## CO GEN POWER PLANTS

Our stocker bushes and split bearings are extensively used in Co Generation Power Plants where temperature is too high for conventional Lubricants and where operating conditions preclude the use of other materials. Carbon Stoker Bush Bearings run satisfactorily under conditions which are so varied that it is impracticable to give maximum load and speed.

Backed with decades of experience in this domain, we deliver our clients a wide gamut of Carbon Bush Bearing. To ensure durability, excellent performance, rugged construction, dimensional accuracy, this range is made using quality-approved raw-material and cutting-edge technology.





# BEARINGS /SEALS

## FOR PUMPS

Whether in classic pump design, or a host of industrial sectors, our mechanical seals made of carbon guarantee high performance. They are distinguished by a low-friction coefficient and high-wear resistance and enable unlubricated applications even at high temperatures.

The properties of our premium materials are superior to the already-outstanding properties of conventional silicon carbide materials and set new benchmarks. This material combines the favorable emergency operation properties of graphite with its toughness. Its high resistance to thermal shock and low blister formation are also strong selling points.





# SEALING RINGS

FOR AIRCRAFT ENGINES

Our sealing rings are specified for a broad range of static and dynamic aerospace sealing ring applications, in turbine engines, actuators, auxiliary power units, environmental control units and high temperature valve applications for both military and commercial platform.

We are a leading supplier for OEMs manufacturing piston engines for the general aviation market. Our engineers support the OEM in optimizing the piston ring design and features from engine introduction through the entire life cycle of the engine program. Our quality and product consistency is unsurpassed in the industry.

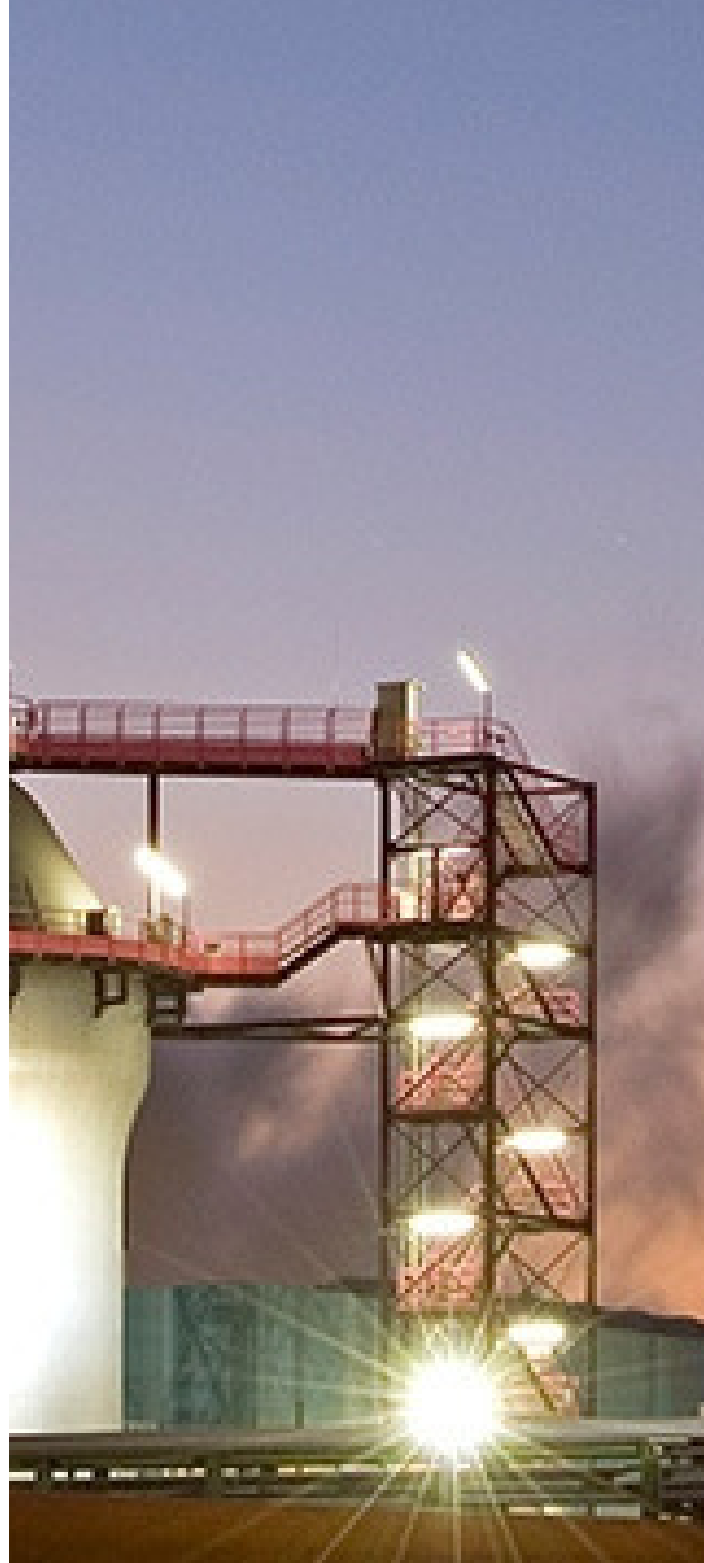


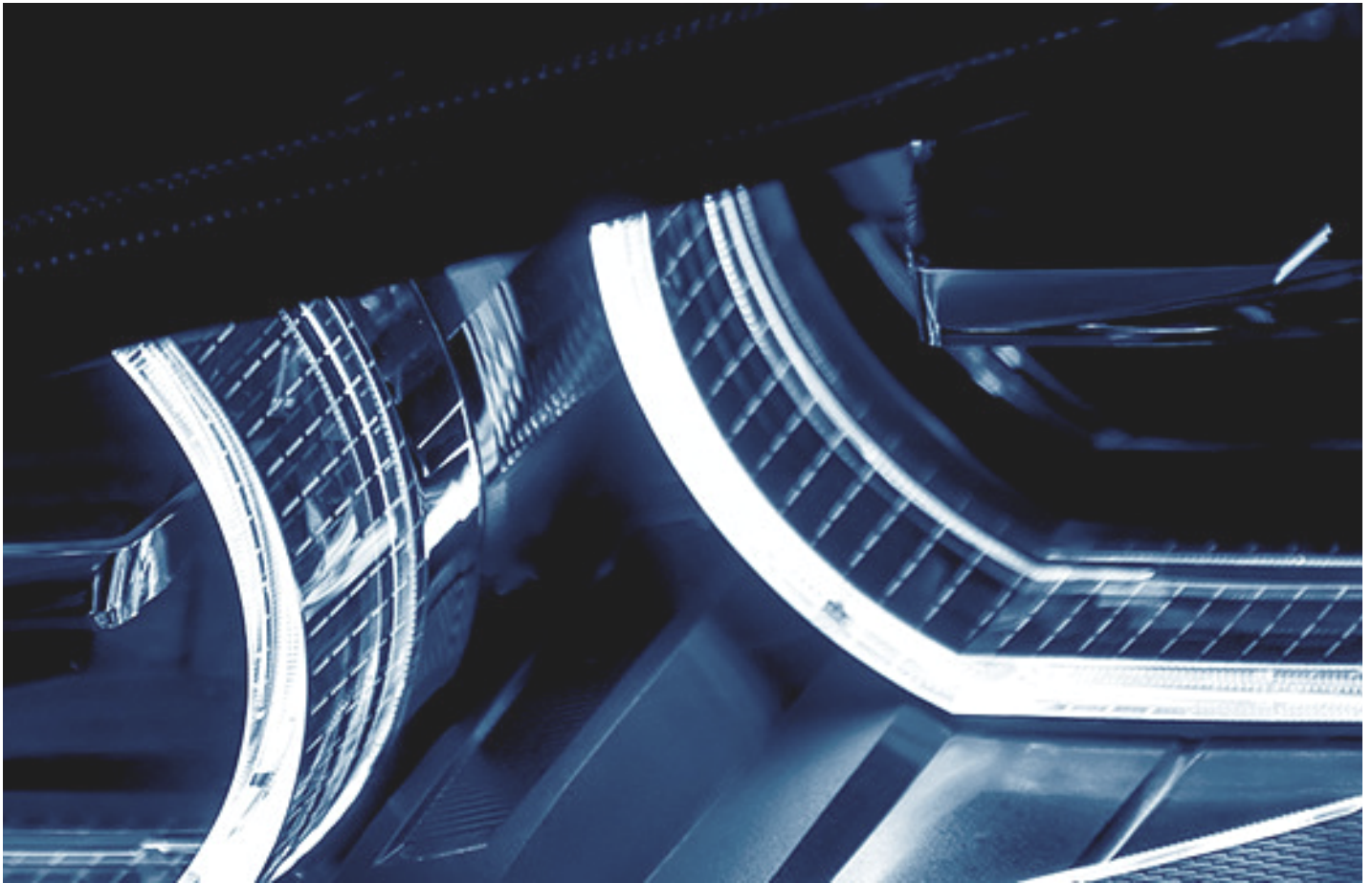
# AXIAL BUSHES / THRUST PADS

FOR VARIOUS SECTORS

We manufacture Carbon axial bearing and thrust pads which have been carefully developed to offer outstanding performance in the harsh conditions. Having produced to a range of bespoke customer specifications, we have the capacity to manufacture graphite bushes and pads to custom dimensions and requirements.

Available in a selection of solid and hollow shapes, our product range is made from various carbon and graphite formulations selected to impart specific physical and electrical properties.





# QUALITY POLICY

## POWERED BY PASSION

Committed to quality, Lakshmi Carbons undertakes inward, stage as well as final inspection. We offer competitive services to our customers, and expect our suppliers to do likewise.

For ensuring quality of raw materials, apart from getting test certificates from the suppliers, Lakshmi Carbons makes inward inspection.

At all stages of the production processes of the different components, rigorous inspection is carried out.

At the final stage, dimensional testing is carried out.

# MISSION DRIVEN

Lakshmi carbons has set its mission as to manufacture quality Carbon Thrust and Radial Bearings for the pump industry of Coimbatore and uphold the pride of this time-honored industry.





# INFRA STRUCTURE

## BUILT FOR INNOVATION

Strategically located in the hub of the pump industry of Coimbatore, Lakshmi Carbons has established an efficient communication and transportation system.

Area: Lakshmi Carbons has a total area of 30,000 sq ft. The works area spans 12000 sq ft.

Behind our state-of-the-art facilities lies a team of expert technicians and programmers dedicated toward conveying the best possible results.

At all stages of the production processes of the different components, rigorous inspection is carried out.

At the final stage, dimensional testing is carried out.

## ***THE EDGE***

4 Decades of experience, established with a vision to complete quality manufacturing solutions.

Industrialization of the business, including significant equipment purchases, certifications and facility upgrades.

Significant investment in training and lean initiatives to improve already high quality standards for complex precision machining supporting diverse end markets

# CONTACT

## GET IN TOUCH TODAY

Our wide range of carbon products, cater to various industries, with unmatched quality, durability and functionality.

For more details about our entire range, or for more details about a specific product, get in touch today and we would be more than happy to reach out to you for a discussion

Speak to one of our team today to see how we can work with you on your project.

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### LOCATION

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