



Chemical & Industrial Solutions



PERFORMANCE CARBON



Morgan Advanced Materials is a purpose driven organisation, with a long history of innovation.

Founded in the uk in 1856, we have deep expertise in ceramics and carbon materials and we exploit our knowledge and experience to solve difficult problems for our customers.

Our model means we serve customers where they need us, across a diverse range of markets, and this has seen us grow to become a global organization with manufacturing sites all around the world.

Our focus is on helping customers push the limits of their processes and products to meet demanding requirements, from higher process temperatures and higher product performance, to increasing miniaturisation.

Our Performance Carbon Division specialises in innovating cutting-edge carbon, graphite, and silicon carbide products that deliver outstanding performance.

Morgan products are an intrinsic part of everyday life. Our tribologically superior materials are an integral part of a wide range of domestic and industrial products in mechanical systems where components are exposed to the effects of friction and erosion. The high quality of our technologically advanced materials has been established over generations and is sold worldwide with production activities worldwide.

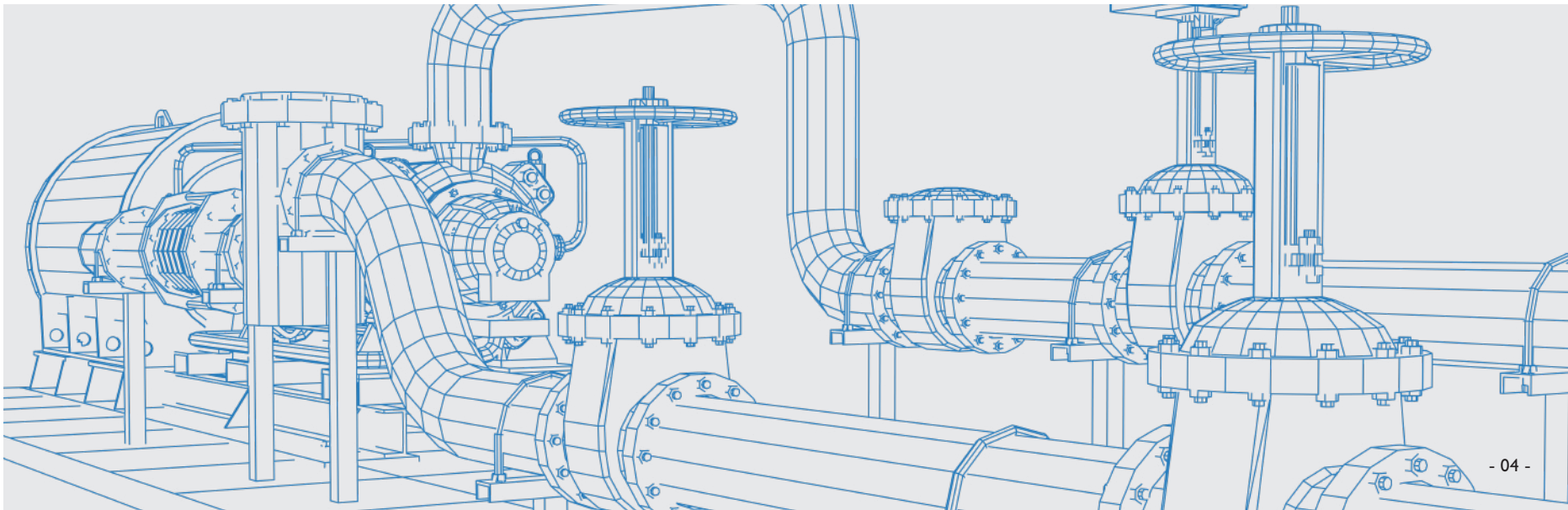




- We offer the most extensive portfolio of carbon-graphite, graphite, Electro-graphite metal-graphite and silicon carbide materials
- Quick Turn Service for customer specific products and breakdowns
- High Volume Capabilities - Processed-to-size / Injection moulding - Any quantity manufactured to order
- Rapid Prototyping
- Broad range of impregnation capabilities including various resins, metals, ceramics and oxidation inhibitors
- Problem solving
- Upgrades to existing equipment to reduce maintenance time and improve performance

Our manufacturing sites are ISO 9001 accredited, and where required ISO 13485 certified, for the production of components for medical applications. We are also AS9100C certified where required for the production of components for aerospace applications.

Morgan continues to develop new materials and value-added assemblies to meet the rapidly expanding opportunities in these markets.



Reduce emissions and operate profitably

The chemical industry is committing to decarbonize operations at the same time demands for basic and specialty chemicals are increasing. Performance Carbon can help you meet sustainability objectives and process requirements. Our extensive range of material solutions are engineered to meet or exceed the latest industry design and test standards, delivering optimal efficiency and performance while minimizing fugitive emissions.



High-end materials and machining

Our extensive portfolio of highly engineered and performance materials, our world class machining expertise, and our application engineering advice make us one of the most important partners in the industry worldwide. Our customers can rely on specifically designed materials with high reliability and long service life.

Even under the most adverse conditions, our solutions reliably deliver top performance - also thanks to outstanding dimensional accuracy and surface quality that is precisely matched to the application in question. Our experts support OEMs' design departments for greater safety in material selection and design.



Performance Carbon materials master demanding challenges

Safety, quality, and reliability - these are the key points when it comes to delivering into the Chemical and Industrial sector. These are precisely the requirements that our highly specialised materials have been meeting for decades. Whether gas, liquid, or dry running, we can operate in the most extreme environments - as a global full-range supplier, we solve virtually every conceivable problem with our high-performance materials in the most challenging of environments.

Perfect solution for many industries

Our customers are at home in a wide variety of industries. Whether it's drinking water, chemicals, refineries, power plants, food, pharmaceuticals, steel, paper, tyre, plastics, cement plants, BEV or aviation - our materials, processing and consulting expertise has the same goal in each of these areas: the perfect material of choice. To ensure that our products may also be used in the various applications, our materials have all the necessary certificates and approvals from the relevant authorities.



Products

Morgan Advanced Materials applies their large portfolio of carbon-graphite and silicon carbide materials in rotating equipment that delivers enhanced performance even under extreme conditions.

Components for Mechanical Seals & Pumps

Face Seals

- Contacting faces
- Non-contacting faces

Shaft seals

- Circumferential seals
- Gap Seals
- Segmented seals

Sliding Bearings

- Axial
- Radial
- Flange
- Helical groove
- Segmented

Rotors and Vanes

- Endplates
- Liners
- Rotors
- Vanes

Structural Components

- Abrasion resistant nozzles
- Glass manufacturing components
- Valve components

Components for DC Motors

- Carbon brushes
- Brush holders
- Constant force springs
- Refurbishments
- Motor conversions
- Insulators
- Earthing applications
- Aegis rings
- Linear power transmission
- Slip rings
- Terminal blocks
- Maintenance products

Markets

Morgan is a leader in the design and manufacture of carbon-graphite, graphite, and silicon carbide materials used in:



Chemical

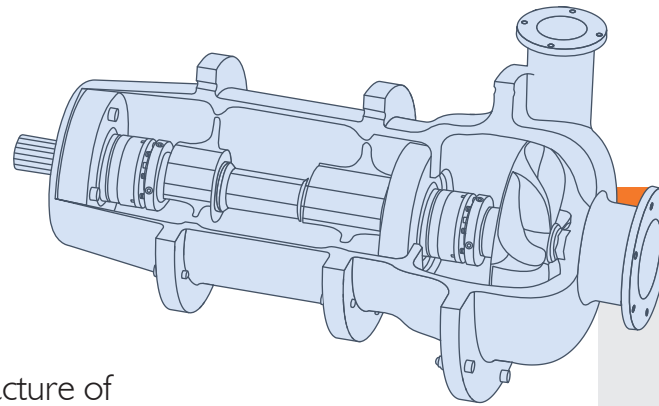
- Basic
- Specialty
- Biofuels
- Pharmaceutical
- Petrochemical



Industrial

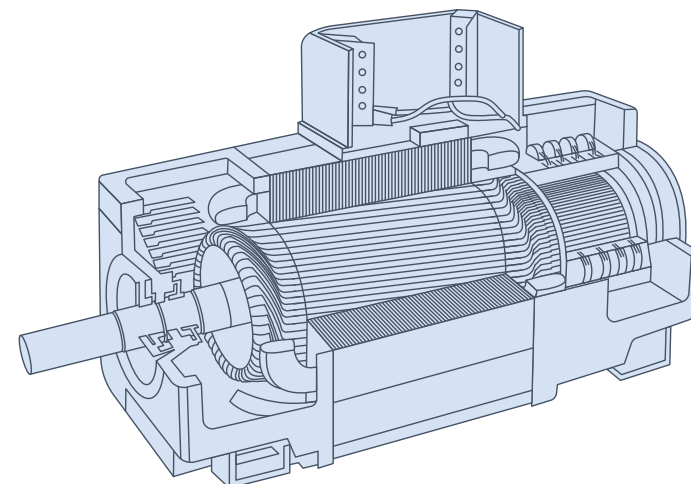
- Power
- Steel
- Mining
- Pulp & Paper

Rubber / Tyre – Water – Plastics-
Cement – Food & Drink Processing



Applications

Morgan Advanced Materials manufactures and supplies tribological components such as mechanical seal faces, radial and axial bearings, rotors and vanes for use in rotating equipment.



ABOUT MORGAN ADVANCED MATERIALS



Morgan Advanced Materials is a global engineering company offering world-leading competencies in materials science, specialist manufacturing and applications engineering. We focus our resources on the delivery of products that help our customers to solve technically challenging problems, enabling them to address global trends such as energy demand, advances in healthcare and environmental sustainability.

What differentiates us?

Advanced material science and processing capabilities. Extensive applications engineering experience
A strong history of innovation and reinvention. Consistent and reliable performance.
A truly global footprint. We find and invest in the best people.

For all enquiries, please contact our specialist sales and manufacturing sites:

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