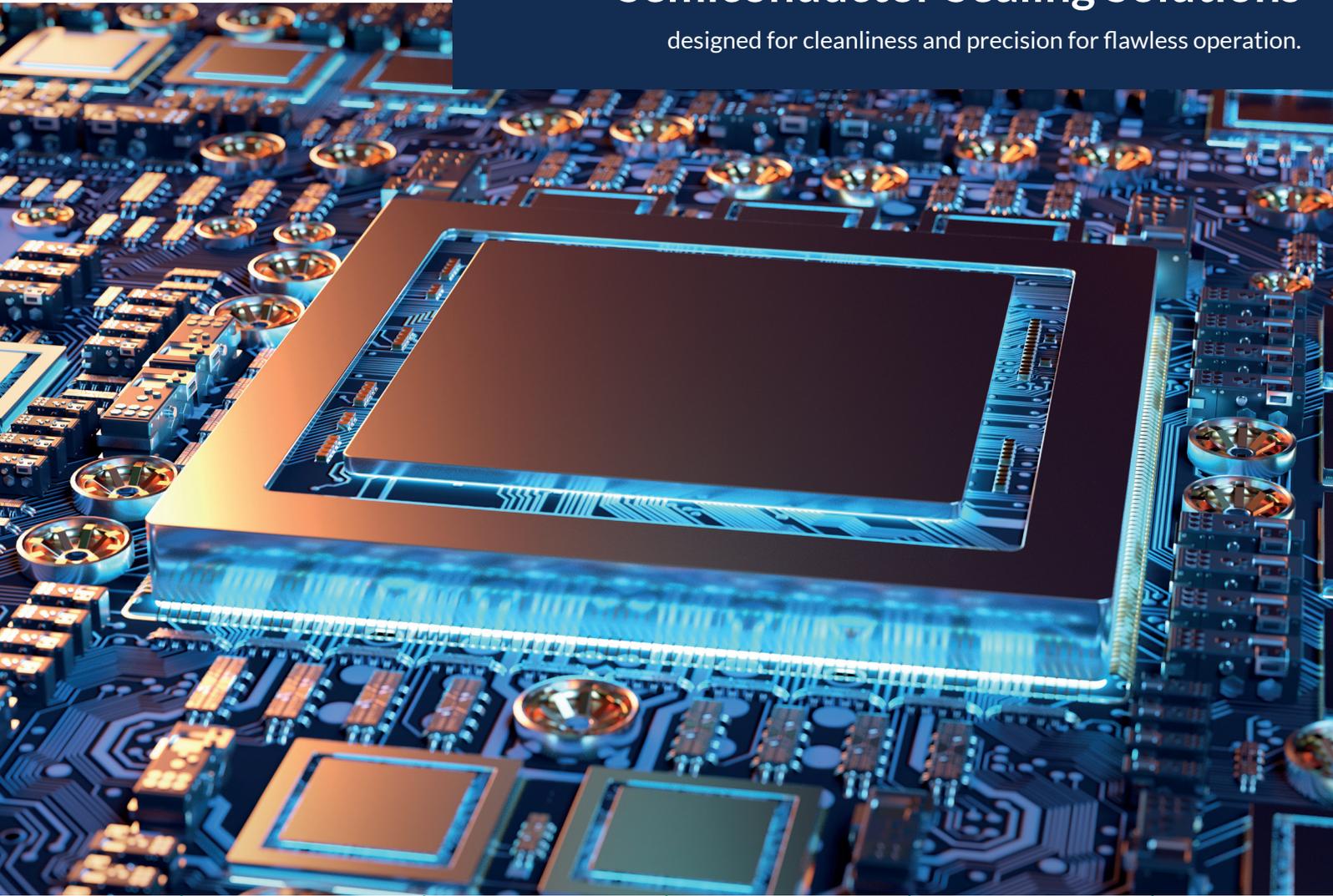


Semiconductor Sealing Solutions

designed for cleanliness and precision for flawless operation.



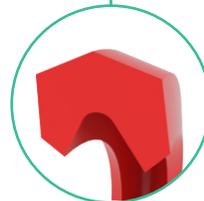
O-Rings



PTFE Seals



Rotary Shaft /
Lip Seals



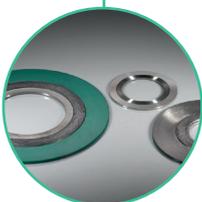
Bespoke Machined
Seals



Metal O-Rings



Custom Moulded
Parts



Gaskets



Bonded Seals

Our seals are engineered to protect sensitive equipment, enhance production processes, and ensure the highest standards of performance in semiconductor manufacturing.

In the semiconductor industry, even the smallest contamination or equipment failure can lead to significant defects and production delays. Our sealing solutions are designed to prevent contamination, protect critical systems, and ensure the flawless operation of semiconductor equipment.



HIGH-QUALITY MATERIALS

Perfluoroelastomers (FFKM)

Ideal for high temperatures and exposure to aggressive chemicals in plasma, wet, and dry semiconductor process applications.

Fluorocarbon (FKM or Viton™)

Known for their excellent chemical resistance and thermal stability.

Silicone

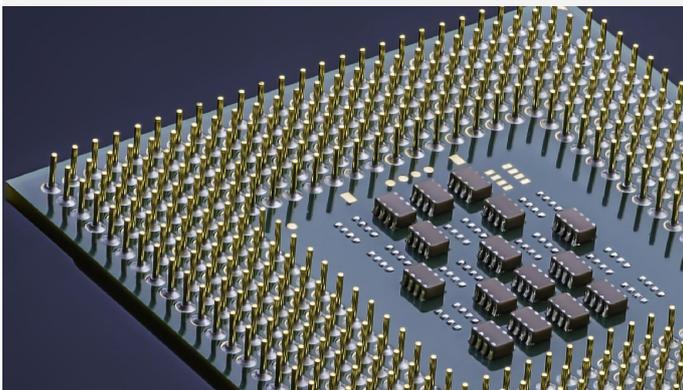
Versatile and suitable for various applications.

EPDM (Ethylene Propylene Diene Monomer)

A balance of cost and performance.

PTFE (Teflon™)

Exceptional resistance to chemicals and heat.



THE IMPORTANCE OF SEALS IN SEMICONDUCTOR MANUFACTURING

Sealing solutions are integral to the semiconductor manufacturing process because they directly impact the purity and integrity of production environments. Contaminants, leaks, or equipment failures can lead to defects, reduced yield, or system downtime. Our seals play a crucial role in:

- **Maintaining Vacuum Integrity:** Ensuring vacuum chambers and systems stay at optimal pressure levels without leaks or contamination.
- **Preventing Contamination:** Protecting the cleanliness of cleanroom environments and ensuring that materials and equipment remain uncontaminated.
- **Improving Process Efficiency:** Seals that withstand high temperatures, pressures, and chemicals contribute to the efficiency and reliability of semiconductor equipment.
- **Minimising Downtime:** Reliable seals reduce the need for frequent repairs and maintenance, helping to minimise costly downtime in production.

QUALITY YOU CAN TRUST

Our quality department, which includes our test laboratory, is responsible for maintaining high standards of product quality and compliance, and validating our products to meet industry standards.

We are proud to be certified in several areas for quality, health and safety and environmental management.

