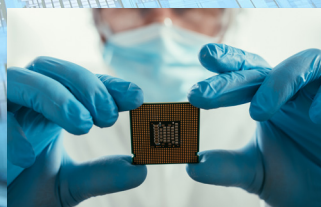
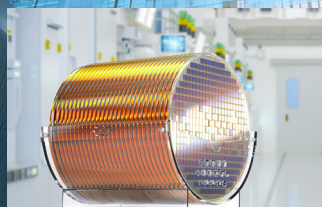


# Your Partner for Semiconductor Polymer Solutions



## Unrivalled capabilities in sealing solutions for the semiconductor industry

With decades of expertise and cutting-edge know-how, we deliver precision seals for critical applications, ranging from high-performance O-Rings to multicomponent parts. Our expertise in solving the challenges of miniaturization on the wafer, contamination and demanding environmental

conditions position Trelleborg as your preferred partner. Rely on Trelleborg – worldwide presence locally supported by dedicated experts for optimal service quality from development to serial production.

## Why choose Trelleborg Sealing Solutions?



### Materials

- Semiconductor elastomers and high-performance plastics
- Isolast® PureFab™ FFKM & FKM
- Extreme purity & low trace metal
- Plasma and chemical resistance



### Research & Development

- Material development
- Part design
- Finite element analysis (FEA) to better predict seal lifetime
- Damping development utilizing FEA
- Testing



### Manufacturing

- Cleanroom production up to ISO 6
- State-of-the-art industry production
- Fulfillment of your cleanliness requirements and specifications
- Added-value services: Seal-Glide® coatings, residual gas analysis (RGA) knowledge, cleanroom services and assemblies



### Partnership

- Global presence and local support
- Deep semiconductor process knowledge
- End-to-end solution provider
- Long history of manufacturing and R&D

## PRODUCTS AND APPLICATIONS



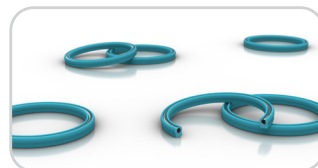
High-performance O-Rings in FFKM and FKM compounds for demanding applications



Metal seals - Wills Rings® for extreme conditions (temperature, aggressive media, pressure)



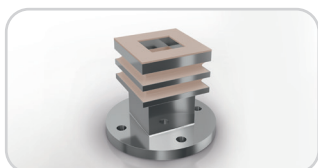
Turcon® Varilip® PDR rotary seals for dry pumps sealing



Turcon® Variseal® PTFE spring-energized seal for low-temperature environments, high chemical resistance and dynamic applications



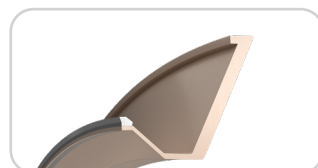
FlexiMold™ joint-free large-diameter O-Rings without tool costs



Engineered molded parts for design optimization

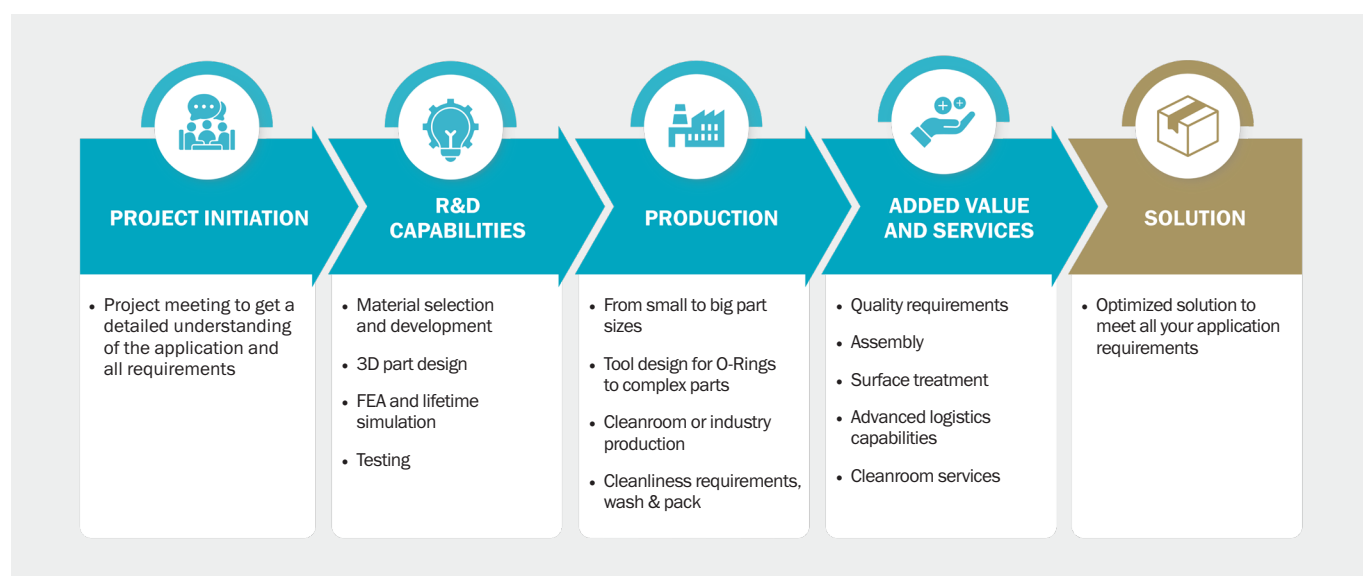


Engineered thermoplastics and composites for both single parts and assemblies



Multicomponent parts, for example edge-exclusion applications

## TOGETHER WE DEVELOP YOUR POLYMER SOLUTION



## FIND OUT MORE



To discover specially engineered solutions to **accelerate time to market** scan the QR code or visit our virtual showroom at [www.trelleborg.com/seals-showroom](http://www.trelleborg.com/seals-showroom)



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