

## Innovative Sealing Materials & Technology at Work

Comoso has over **50 years** of experience providing sealing solutions, technical engineering expertise, diverse material science, material compatibility, project management capabilities and a wide range of sealing products.



## Comoso speciality services

### High performance plastics

- Custom seal kitting
- Auto-bagged for accuracy
- Custom labeling/packaging
  - Bar coding, logo, heat sealed
- Reduce cost
- Low-high volume
- Engineering design



### O-ring selection

- Kalrez®
- NBR, HNBR, XNBR, TFEE/PE, ACM silicon, fluorosilicone, FKM, FFKM, EPR, polyurethane
- Installation tools
- Parbaks, back-up rings
- Quad-rings
- Square-cut rings



### Seal troubleshooting & engineering

- Chemical analysis
- Application & size evaluation
- Finite element analysis (FEA)
- Parker Hannifin Sealing Technology Center (STC)

### Inventory

- Local stock
- Vendor-managed VMI
- 9 locations, CA & AZ



## Speciality materials

### High performance plastics

- Water resistance & high temps
- PTFE back-up rings
- Spring energized (SES) seals
- O-ring loaded U-cups
- Vespel®
- PEEK
- UHMW
- Nylon
- Virgin PTFE, PTFE blends



### Custom rubber shape seals

- Compression, transfer, LIM molding
- Diaphragms
- V-ring
- Wellheads: S-seals, FS-seals
- Piston cups
- Fabric reinforced elastomers
- Rod packing
- Graphoil®, wire mesh packing
- Packer elements: Molded & extruded
- Techseal custom rubber extrusions
- Hollow o-rings, D-rings, enclosure seals

### Composites

- Rubber, plastic, metal, bonded seals
- Gask-o-seals
- Integral seals
- Resin-reinforced polyester fiber, CIP™
- Low friction, high load capacity, loadbearing, excellent wear
- Self-lubricated
- High performance polyurethanes**
  - Polypaks
  - U-cups
  - Resilon® bumpers
  - Cast urethanes



# controlled motion solutions sealing solutions

## Fluid power seals

- Hydraulic piston seals - low friction
- Hydraulic rod seals - excellent leakage control
- Hydraulic scraper/wipers - prevents system contamination
- Hydraulic wear/guide rings - optimized



## Parker Chomerics

- EMI shielding
- Conductive rubber: Molds, extrusions
- Shielding gaskets, foil tapes, flange treatment
- Conductive adhesives, sealants, coating
- Wire mesh gasketing, shielded vents
- Thermal management products
- Beryllium, coppers, SS, EMI, fingerstock



## Rotary seals

### Rotary, mechanical seals

- Seals repairs
- Component & cartridge seals
- ANSI, API, all-polymer seals
- SSiC, ceramic, nano-carbon, WC, faces & seats
- UTEX® cartridge seals
- Vazel component seals

### Rotary seals/shaft seals

- Dynamic rotary shaft seals, oil seals, rotary seals
- Mechanical face seals - heavy duty
- JM Clipper/Parker rotary seals
- Protech™ bearing isolators
- SKF/CR seals



## Life science

### Source and solutions provider to medical and pharmaceutical companies

- Medical and implantable grade, USP class VI materials
- Non-critical components are molded in clean room facilities
- Contract molding is done in ISO 9001:2000 certified facilities
- Cost reducing sealing and solutions for fluid transportation
- Prototype to production engineered seal solutions

