

Line Card

[S W Jagels Materials & Technology, LLC](#)

We serve the high performance applications in the Aerospace, Chemical Processing, Defense, Food & Dairy, Oil & Gas, Pharmaceutical, Water, and Large Diesel Engine industries.

O-rings – Standard Imperial, AS 568A, Metric, JIP, & custom sizes

- Sizes from 0.25mm to 2 meter diameter
- Any combination of inner diameter and cross section
- Spliced o-rings available in any o-ring diameter
- Extensive range of elastomer compounds

Custom Rubber Parts

- Molded to customer designs or recommended solutions
- Composite parts, including metal, PTFE, and PEEK bonding
- Fabric reinforced parts
- FEA modeling

Elastomer Materials

- [Perlast®](#) Perfluoroelastomer Parts
- [EnDura®](#) Range of Oilfield Elastomers
- [HyClamp®](#) Sanitary Seals
- [Detactaseal®](#) Metal Detectable Seals
- All classes of elastomers are available from [Precision Polymer Engineering, LTD \(PPE\)](#) including EPDM, NBR (nitrile rubber), HNBR (hydrogenated nitrile), FKM (fluoroelastomers), FEPM (Aflas® & ETP), FFKM (perfluoroelastomer), VMQ (silicone)
- High Purity Materials, Clean Room Manufacturing

Elastomer and Seal Testing – A full range of laboratory testing is available for development of sealing solutions

- FTIR
- Explosive Decompression, E.D. (Rapid Gas Decompression, RGD).
- Fluid Compatibility
- Finite Element Analysis (FEA)
- Thermal-Mechanical Evaluation

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Contact Us

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