Hi-Tech Seals

Specialists in Seals & Service

Products & Manufacturing Capabilities



- O-Rings
- Gaskets
- Piston & Rod Seals
- Rotary Shaft Seals
- Metal Components
- Seal Machining
- Gasket Manufacturing
- Spliced & Vulcanized O-Rings
- Cast Urethane
- Custom Molded & Extrusions

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Products

O-Rings

- Low-Temperature/Cryogenic
- Rapid Gas Decompression
- Sanitary Process (FDA/NSF)
- High-Temperature
- Chemical-Resistant
- Oil & Fuel-Resistant
- Low and High Pressure Capability
- Steam & Hot Water
- Abrasion-Resistant
- Low Friction
- Low Compression Set
- Ozone & UV
- Regulatory-Compliant Materials



Piston & Rod Seals

- Backup Rings
- Wear Rings
- Crown Seals
- Fluid Seals
- Modular Bearings
- PIP Rings
- T-Seals
- Vee Packing
- Piston Cups
- Piston Rings
- U-Cups
- Capped T-Seals
- Head Seals
- Buffer Seals
- DZ Seals
- Wipers



Rotary Shaft Seals

- Braided Packing
- Oil Seals
- Spring Energized Seals
- V-Seals
- Mechanical Seals
- Mechanical Face Seals
- Cassette Seals



Gaskets

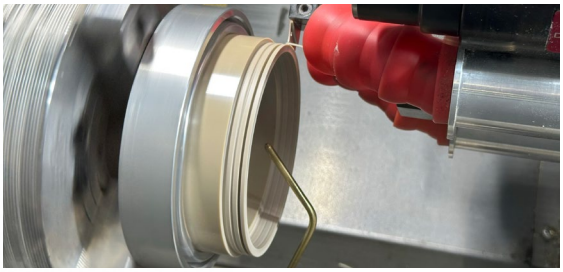
- Custom-Cut Gaskets
- Test Gaskets
- Spiral Wound
- Pipe Flange
- Kammprofile
- Camlock
- Heat Exchanger
- Hammer Union
- Joint Sealant
- Sanitary/Tri-Clamp
- Gasket Accessories



Metal Components

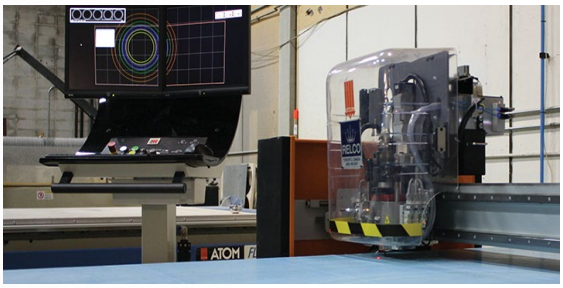
- Carbide Parts
- Dry Slide Bearings
- Spherical Plain Bearings
- Belleville Disc Springs
- Washers
- Retaining Rings
- Studs & Nuts
- Bolts
- Metal Balls

Manufacturing Capabilities



Seal Machining

- Machine rubber & plastic components
- Machine standard to complex profiles with precision
- 150+ Pre-programmed profiles available
- Engineering and drafting support
- Extensive seal materials
- Can include holes, cavities, chamfers, and angles
- Available in 70-95 Shore A durometer for elastomers



Gasket Manufacturing

- High cutting accuracy with tight tolerances
- Cut standard to complex designs
- Engineering and drafting support
- Accommodate large-format cut gaskets
- Extensive gasket materials
- Available in different sizes and thicknesses



Spliced & Vulcanized O-Rings

- Ideal for static applications
- No tooling costs
- Strong, consistent bond quality
- Can accommodate virtually any diameter
- Extensive cord materials



Cast Urethane

- Accommodate custom shapes, unique sizes, and tight tolerances
- Manufacture wear and seal components, and degradable elements
- Multiple compounds available
- Manufacture in Shore A & D durometers
- Metal hardware integration or bonded to other materials
- Custom colours and engrave identification marks



Custom Molded & Extrusions

- Standard to complex geometries with tight tolerances (Molded)
- Ability to create profiles with complex cross-sections (Extrusions)
- Can be bonded to metal and PTFE (Molded)
- Extensive rubber materials

About Us

Hi-Tech Seals is recognized as a leader in manufacturing and distributing high-quality industrial seals, gaskets, and metal, elastomer, and plastic components, providing diverse solutions across industries worldwide. Backed by a team of specialists, we provide reliable standard and custom products, materials and services designed to meet a wide range of customer application requirements.

Standard Materials*

Acetal/POM
Aflas® / FEPM
AraLite™ Compressed Sheet (Gaskets only)
BoKure™ Urethane
EPDM
Fluorosilicone
Hydrogenated Nitrile
Hytrel™ / Thermoplastic Elastomer
Kalrez®/Perfluoroelastomer
KasPex™ PEEK
Low Temperature Nitrile or Viton™
Neoprene / Chloroprene
Nitrile
Nylon / Polyamide
Polyethylene
PTFE
Red Rubber (Gaskets only)
RyFlor™ ePTFE (Gaskets only)
Silicone
Steel
Stainless Steel
TechCera™ Ceramic
WolCar™ Carbide
Viton™/Fluorocarbon

*Other materials are available. Contact us for specific material requirements.

Canadian Branches

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Calgary | 6323 - 35 St. SE | Calgary, AB | Ph: 403.720.2856

Winnipeg | 445 Egesz St. | Winnipeg, MB | Ph: 204.775.7881

Newmarket | 1180 Kerrisdale Blvd, Unit #8 | Newmarket, ON | Ph: 905.953.9666

Ste. Julie | 2101 Rue Léonard-De Vinci | Ste. Julie, QC | Ph: 450.655.7325

US Branches

Conroe | 12064 FM 3083 | Conroe, TX | Ph: 936.206.3124

Broussard | 909 Garber Rd. | Broussard, LA | Ph: 337.347.8870

Frederick | 3762 Puritan Way, Unit 1 | Frederick, CO | Ph: 303.957.2790