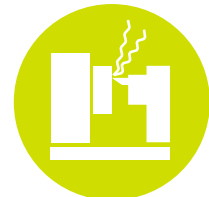


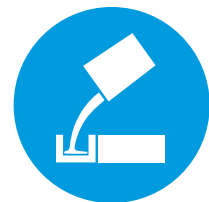
nuraSEAL



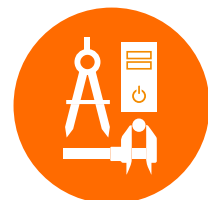
North American
Manufacturer of
Custom Seals



Machining



Casting



Engineering

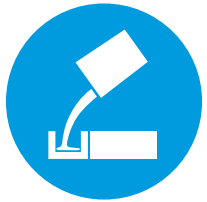
Nuraseal Solutions



Machining

For over three decades, Nuraseal Co. Ltd. has been supplying premium quality urethane seals and supplying Filton® Rotary Products to customers throughout North America and abroad.

You can count on Nuraseal to design, manufacture and supply the right products to meet your needs in a timely fashion and for an economical cost.



Casting

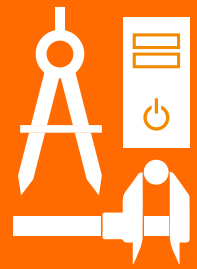
With in-house computer-aided design systems and tooling facilities, we offer faster prototyping and production turnaround times for all our sealing products. Our customized manufacturing processes also allow for small and large quantity production runs at a cost-effective price.

Large, small or somewhere in-between, every job we do is treated with the same dedication, care and precision that you demand for all of your applications.



Engineering

Engineering



Engineering

Custom part and tooling design

The Nuraseal engineering team fully utilizes 3D Digital Manufacturing techniques in the development & production of our custom seals; from computer aided design of the seal solutions, through to the digital CNC manufacturing of seals. Our capabilities include in-house tooling design & tooling production, as well as reverse engineering, and materials & application expertise.



Optical Part Inspection

Optical 3-Axis measuring and inspection of parts, generating graphical representations of measured parts and detailed reports.

The Role of Application Support

At Nuraseal, we understand the importance of Application Support in helping you make informed decisions about your precision sealing applications. Whether you require product options and technical information, product interchanges, material information, prototypes, samples or even a ear to discuss your sealing challenges, Nuraseal is at your service.



Cast Urethane

Cast Urethane

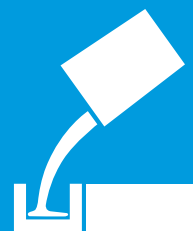
A wide range of precision sealing products custom manufactured in-house to meet the demanding needs of your applications. We offer a broad range of products and profiles in both inch and metric sizes including U-cups, rod wipers, piston cups, and V-pack sets.

All of our polyurethane products are manufactured from high-grade polyurethane compounds to ensure that final quality of our end-products is tough enough to meet and exceed the needs of your applications.



Polyurethane Large Diameter Seals

Cast urethane large diameter seals including standard symmetrical U-cups, loaded seals, thin-lip U-cups, dual-durometer U-cups and custom profiles such as feathered and asymmetrical lip designs. Seals are available in both imperial and metric sizes with more than 1200 molds in stock for large diameter U-cup seals up to 32½" OD and in-house manufacturing capabilities to produce custom molds and seals up to 34" OD. Seals are available in a wide range of polyurethane molding materials and offer high tensile strength, excellent abrasion resistance, and superior pressure resistance up to 5000 psi.



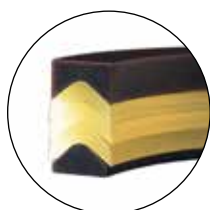
Dual-Durometer Seals: 10,000 psi Service

A custom dual-durometer seal which features a 70 Shore D base material chemically bonded to a standard lip material. This unique construction allows for increased extrusion resistance at the base with excellent sealing capabilities at the lip and service loads up to 10,000 psi. Depending on your particular application, alternate materials are available with custom colors and branding of your parts.



Custom Polyurethane Over-Molding

In-house manufacturing capability to mold polyurethane directly to various substrates including steel, aluminum and certain plastics. Ask us about our custom production options and see how we can assist you in this specialized area.



Special Seals and Custom Profiles

An unlimited range of special and custom profiles manufactured exactly according to specifications in a wide range of standard and custom materials. We provide drawings, technical expertise and we manufacture samples and working prototypes within five days or less.



Bumpers, Wheels and Special Products

Custom manufacturing capabilities for molding polyurethane into a wide variety of specialized products including bumpers, wheels, flanges, bushings and scrapers. Ask us about our range of options supported by in-house tooling, custom part numbering and material alternatives as required.

Machining

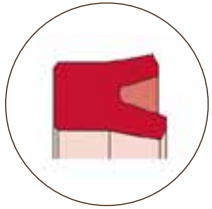
CNC Custom Products

With state-of-the-art rapid-production CNC machinery, Nuraseal offers the capability of designing and manufacturing fully computer-designed Quick Seals for a wide range of profiles and diameters starting from 1/4" (6 mm). Seal designs can be modified to your specific application quickly and precisely including changes in lip design, seal clearances and interferences as well as other key dimensions. We will provide drawings and technical expertise for your consideration. For new product inquiries, typically we are able to provide samples and working prototypes within five days. For existing products made from stock material or in the case of emergency situations, we are able to run small batches on the same day that an order is received.



Material Options

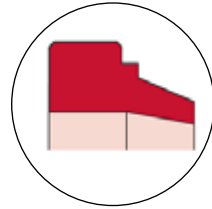
- Polyurethane (FDA Approved, Low Temperature, Self Lubricating)
- NBR
- Viton
- EPDM
- Silicone
- PTFE (White, Bronze Filled, Carbon Graphite)
- PEEK



Piston Seals



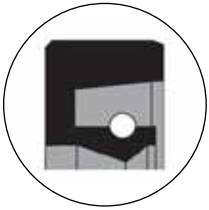
Rod Seals



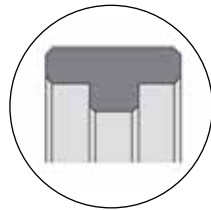
Wipers



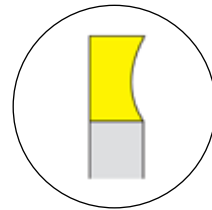
Teflon® Seals



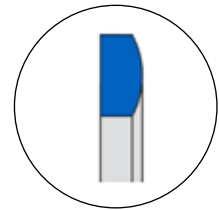
Rotary Seals



Guide Rings



Back Up Rings



Gaskets

Additional Sealing Material Options

Nuraseal stocks a broad selection of common sealing materials. We are able to source and machine a wide range of alternative materials including PTFE, PEEK, compounds, polyamides, polyimides and an extensive range of FDA approved materials suitable for food and pharmaceutical applications.





Rotary Unions, Swivel Joints, Air Breather Filters, Flexible Hoses



At Nuraseal, we realize that making the right choice of Filton® Rotary Union for your application can be a detailed exercise.

To assist you in this process, we have developed our online resources to provide you with much of the technical information you need to make informed decisions about individual rotary union models, installation procedures, part number schematics, maintenance and lubrication information as well as cross reference information. Please see our website for further details



Custom Numbering and Private Branding

Nuraseal is able to supply private branded components on request complete with company names, part numbers and colour variations. We also mold in place customer part numbers and brand names to help identify replacement parts.



North American
Manufacturer of
Custom Seals

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info@nuraseal.com