



EXPERTISE.
EXPERIENCE.
INNOVATION.



SKF Seals
Distributor

QUALITY TECHNICAL SEALING SOLUTIONS

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SKF Seals
Distributor

SEALHOUSE

ABOUT US

AT SEAL HOUSE WE DO WHAT WE DO BEST:
WE PROVIDE QUALITY TECHNICAL SEALING SOLUTIONS.

Seal House is a proudly 100% New Zealand owned company. We have been successfully operating for over 30 years and we are committed to being a long-term and key player in the New Zealand sealing industry.

The company values of Quality, Service, Satisfaction and Knowledge mean that you will experience Quality Control with continuing improvements, unrivaled Service, and guaranteed Integrity and Longevity in the market place.

We believe in good old-fashioned Service.

Many of our employees have been with us 10 or more years. That level of combined experience & accumulated knowledge is hard to find elsewhere in the Sealing industry and guarantees you great service and product knowledge. Our sizeable and varied client base can attest to that.

We believe in the pursuit of, and sharing of Knowledge

- this 'Key Point of Difference' ensures that Seal House stands out from the rest of the crowd. We readily make available to our customers specialist sealing knowledge that is unrivalled in its quality and breadth.

We regularly use our technical expertise to successfully identify one-off seals to suit a demanding set of parameters. You can trust us to provide a seal that is just right for the job!

We believe in Quality - our seals are made from top quality materials sourced from around the world complimented with the use of precision CNC machines to manufacture quality seals to suit special requirements for a huge variety of applications.

We believe in Customer Satisfaction.

We strive always to be even better at what we do best - Customer Satisfaction drives our interactions in every area of the business.

Based in Auckland, we offer onsite technical support - nationwide. Or, by phoning 0800 732 573, you can access the most comprehensive sealing knowledge base in the country.

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TO VIEW OUR PRODUCT CATEGORIES FURTHER PLEASE VISIT WWW.SEALHOUSE.CO.NZ



SEALHOUSE PRODUCT RANGE



O-RINGS



ROTARY SEALS



SEAL KITS



INDUSTRIAL
PLASTICS



MOULDED
PRODUCTS



DOOR SEALS



MECHANICAL SEALS



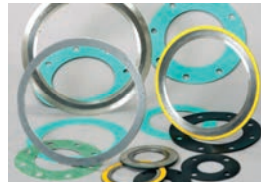
HYDRAULIC AND
PNEUMATIC SEALS



CUSTOM
MACHINED SEALS



GLAND PACKING



GASKETING



EXTRUDED
PRODUCTS



UNION SEALS

SEALHOUSE O-RINGS

AN O-RING IS THE WORLD'S MOST COMMONLY USED SEALING DEVICE AND THE WORLD'S SIMPLEST SEALING DEVICE.

An O-ring is exceptionally versatile, with a wide range of applications ranging from garden hose couplings to critical aerospace duties.

Seal House offers a huge range of stock moulded O-rings, in both imperial and metric sizes, including Encapsulated O-rings and Quad Rings and we can supply O-ring Kits whose contents are tailored to suit specific client needs. We can source virtually any O-ring

from our worldwide network of suppliers, same-day dispatch of stock items or we can manufacture in house to suit special requirements.

We also stock a comprehensive range of O-ring Cord, cut to any length as required; Splicing Kits to help our customers make their own O-rings and we can make stronger, welded or vulcanised O-rings if required.

MATERIALS

Nitrile Rubber	EPDM
FKM/FPM (Viton®)	Silicone
Flouroelastomers	Urethane
Neoprene	Chloroprene
Natural Rubber	HNBR
Aflas®	Kalrez®

*Alternative materials available on request



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SEALHOUSE

HYDRAULIC AND PNEUMATIC SEALS



SEAL HOUSE STOCKS A COMPREHENSIVE RANGE OF STANDARD HYDRAULIC SEALS TO SUIT ALL MANNER OF INDUSTRY.

Whether heavy or light duty application, there is a solution readily available from our stocked range.

Sourced from quality suppliers in the United States, Canada, Europe and Asia, Seal House guarantees quality product every time. Seal House is also New Zealand's sole Authorised Distributor of SKF hydraulic seals. SKF produces a comprehensive range of high quality technology-based precision components and equipment which is used in almost every area of industry, and their hydraulic seals are second to none.

BACK UP RINGS

A Back Up Ring is a ring of hard, extrusion resistant material such as high-durometer nitrile, nylon, or PTFE, which is designed to fit between an O-ring or U-Seal and an extrusion gap, to prevent the extrusion of the Seal leading to Seal failure.

Seal House stocks a comprehensive range of Metric and Imperial Back Up Rings to suit O-rings in both contoured-face 90 durometer Nitrile or Urethane.

Seal House also stocks a range of U-Seal Back Up Rings to suit either Piston or Gland application.

Seal House can machine Back Up rings to suit almost any application.

PISTON SEALS

Piston Seals are used to seal pressurized fluid or air between the piston and the bore in a hydraulic or pneumatic cylinder (Dynamic Pressure Sealing). Piston Seals are used in both Reciprocating and Linear applications.

Seal House offers a wide variety of Piston Seals for use in both Single-acting and Double-acting systems.

Seal House offers a range of differing properties and designs of single and double-acting Piston Seals and will have an option available to suit almost any operational parameter - qualification level, operational type and operating conditions.

Seal House can machine Piston Seals to suit almost any application.

WIPERS

For linear and reciprocating dynamic sealing applications. Also known as scrapers, excluders and dirt seals, the main function of the Rod Wiper is to keep the rod and cylinder clean and free from foreign matter, thus preventing premature failure. The Rod Wiper is not a pressure sealing element, yet it avoids possible abrasive effects which may result if contaminants were to reach the sealing and rod bearing elements.

Seal House provides a comprehensive range of standard and special wipers and materials to meet industries' challenging fluids, temperatures surface speeds.

Seal House can machine Wiper Seals to suit almost any application.

ROD SEALS

The Rod Seal is the seal in the hydraulic cylinder with the most demanding requirement specifications. In addition to normal wear and aging, this seal is directly affected by changes on the rod surface.



WHETHER FOR A HEAVY OR LIGHT DUTY APPLICATION, THERE IS A SOLUTION READILY AVAILABLE FROM OUR STOCKED RANGE.

The Rod Seal is often the decisive factor for the function of the hydraulic cylinder in its entirety. Leakage through the Rod Seal is one of the most common failures so is of significant importance to make the correct choice of Rod Seal type and design.

Seal House offers a comprehensive range of Rod Seals in a variety of styles and materials to suit most applications.

Seal House can machine Rod Seals to suit almost any application.



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SEALHOUSE

ROTARY SEALS



OIL SEALS (ALSO COMMONLY KNOWN AS ROTARY SEALS, LIP SEALS OR RADIAL SHAFT SEALS) ARE USED TO RETAIN LUBRICANTS IN A CASE HOUSING, E.G. IN GEARBOXES OR OSCILLATING APPLICATIONS.

Oil Seals increase the life of a bearing by preventing ingress dirt and water; which could cause damage or premature failure of parts.

Oil Seals are available in low pressure or high pressure styles and typically in either Viton® or Nitrile, but if chemical attack is a concern, we offer a manufactured solution in materials such as H-NBR (Hydronated Nitrile) and EPDM.

Seal House stocks both metric and imperial Oil Seals in double or single designs

V-RINGS

The V-ring is an all-elastomer axial seal for rotary shafts and bearings. It rotates with the shaft and seals axially against a stationary counter-face perpendicular to the shaft. This type of seal has proved to be reliable and effective against a variety of contaminants, including dirt, water and oil splash.

Styles include: VA , VS , VL , VE , VAX

SWIVEL SEALS (also known as center joint seals)

A Swivel Seal (also called a Radial Seal or Rotary Seal) is used when fluid or air is moved under pressure between a stationary base and a rotating superstructure. This movement requires a hydraulic swivel or rotary manifold. A Swivel Seal operates inside this component, sealing off each individual chamber in an effective and space conscious way. This seal is often used in earthmoving equipment.



SEALHOUSE

CUSTOM MACHINED SEALS

SEAL HOUSE STOCKS A COMPREHENSIVE STANDARD PRODUCT RANGE, BUT THERE ARE TIMES WHEN A CUSTOM SEAL IS REQUIRED AND SEAL HOUSE CAN MACHINE TO A CUSTOMER'S SPECIFIC REQUIREMENTS.

Seal House are Custom Sealing Solutions Specialists. We offer a wide variety of custom Seal options to suit almost any application.

We use state-of-the-art CNC technology and superior, quality seal materials.

We have an extensive manufacturing knowledge base, which has been built up over 20 years, initially while trading as SealJet, a name synonymous in the New Zealand market place with precision and quality.

Seal House can manufacture Custom Seals up to 600mm diameter, and with **two** dedicated CNC seal making machines, products can be manufactured and supplied in minimal time.



MATERIALS

SJUPUR (Ecopur)	thermoplastic polyurethane elastomer
SJUHPU (H- Ecopur)	hydrolysis-resistant thermoplastic polyurethane elastomer
SJUCPU (G- Ecopur)	a cast hydrolysis-resistant polyurethane-elastomer
SJUTPU (T- Ecopur)	thermoplastic polyurethane-elastomer
SJUSPU (S- Ecopur)	polyurethane for water hydraulics and oil-free pneumatics
SJRNBR (EcoRubber)	elastomer based on acrylonitrile-butadiene rubber
SJRVIT (FPM)	elastomer based on Fluororubber
SJREPD	elastomer based on ethylene-propylene rubber
SJREPW	elastomer based on ethylene-propylene rubber
SJRSIL	silicone rubber
SJRHBN (H-NBR)	hydrogenated or saturated acrylonitrile-butadiene rubber
SJTVIR (PTFE-Virgin)	thermoplastic
SJTTMB	(PTFE with glass, bronze and MOS ² fillers)
SJACEB (Acetal, Ecotal)	semi-crystalline polyacetal-copolymer
SJPMID (Ecomid)	cast polyamide
SJPEEK (Peek, Ecopeek)	high performance polymer
SPECIALS	Many other materials available upon request

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SEALHOUSE SEAL KITS



SEAL HOUSE STOCKS A RANGE OF DIFFERENT SEAL KITS FOR THE EARTHMOVING INDUSTRY, AS WELL AS O-RING KITS AND ASSORTMENT BOXES.

Each Seal Kit contains seals in an assortment of different sizes to replace seals used in the cylinders of heavy machinery arms, booms or buckets.

We specialise in replacement Seal Kits for the following brands of heavy machinery:

- Caterpillar
 - * Caterpillar O-Ring kits can be sourced ex USA when P/N supplied
- Hitachi
- Komatsu
- Kobelco

Seal House is able to either source or compile Seal Kits for other brands of machinery or for specialist cylinders. Alternatively we can produce a new Seal Kit to match an existing kit, if needed.

O-RING KITS

Seal House stocks a range of different O-ring Kits which contain O-rings and seals in an assortment of different sizes, Seal House does both Metric and Imperial O-ring kits; we can do the kits in a 70 or 90 shore hardness.

ASSORTMENT BOXES

Seal House stocks a range of handy Assortment Boxes, for all purpose use. Each Assortment Box contains a selection of sizes in one of the following:

- Rubber Grommets
- Heat Shrink
- Screws
- Split Pins
- Hitch Pins
- Rivets
- Roll Pins
- Copper Washers
- Sealing Washers



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GLAND PACKAGING

GLAND PACKINGS ARE COST-EFFICIENT SEALING SOLUTIONS FOR PUMPS, STIRRING DEVICES AND AS SPINDLE SEALANTS IN CONTROL AND ADJUSTMENT VALVES.

Gland Packing is made on braiding machines using different yarns and braiding techniques. These alter depending on the dimensions and packing type.

Seal House stocks IDT Gland Packing and commonly requested Styles include: 2755, 2760, 2722 and 2729. IDT Packing is sold by the metre, or in boxes of varying lengths.

MATERIALS

Gland Packing can be made from organic fibres such as:

- Aramid
- PTFE
- Ramie
- Novoloid
- Panox
- Polyacrylics

Or Packing can be made from inorganic fibres such as glass, aluminium silicate and carbon, as well as pure graphite foils and PTFE compounds.

SEALON PTFE TAPE

Sealon PTFE tape is made of virgin expanded PTFE. The manufacturing process results in a micro-porous fibre structure which provides this seal with special properties.

This universal sealing tape comes in either a rectangular cross-section.

GRAPHITE FOIL RINGS

Graphite Foil Rings come in a range of different profiles and have excellent resistance to many media, due to the high graphite content.



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SEALHOUSE INDUSTRIAL PLASTICS



COMPARED TO METAL PLASTIC HAS MANY ADVANTAGES – IT IS LIGHTWEIGHT, STRONG, RESISTANT TO CHEMICALS, IT IS CLEANER AND EASIER TO MACHINE AND IS COST EFFECTIVE IN COMPARISON TO METAL (STAINLESS, BRONZE OR BRASS).

Seal House offers a wide range of industrial plastics available either by the sheet, cut-piece, rod or tube form.

Alternatively, we can custom-machine precision components to your exact requirements, including, amongst others:

- Rollers
- Bearings
- Wear strips
- Wheels
- Piston and back-up rings
- Scrapers

Seal House plastics range from commonly used polyethylene's (chopping board type material) to more specialised plastics such as PTFE and PEEK.

Seal House can supply the following plastics:

- UHMWPE
- Nylon
- Acetal
- PETP
- PTFE
- PEEK
- Other special materials upon request

INDUSTRIAL PLASTICS MATERIALS:

Seal House can assist with choosing the best material for a particular application as each of these materials offer different properties, including resistance to temperature (high or low), pressure (high or low) and a range of chemicals and also resistance to abrasion and shock.



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SEALHOUSE GASKETING

SEAL HOUSE SUPPLIES A COMPLETE RANGE OF METALLIC AND SEMI-METALLIC JOINTING PRODUCTS, AND A RANGE OF SOFT JOINTING PRODUCTS, INCLUDING GASKETS AND SHEET JOINTS, TO SUIT EVERY INDUSTRIAL APPLICATION.

Seal House supplies a complete range of Metallic and Semi-metallic Jointing products, and a range of Soft Jointing products, including gaskets and sheet joints, to suit every industrial application.

We stock standard flange gaskets in a variety of materials, ready for immediate despatch.

In addition, we can precision-cut non-standard gasket profiles to any shape, size and in any quantity, from a wide range of sheet materials, including our own extensive range of IDT jointing.

SPIRAL WOUND GASKETS

Spiral-wound Gaskets are used to seal flanges in

applications where conventional jointing materials cannot be used due to high temperature, pressure, vibration and flow rates.

KAMM® PROFILE GASKETS

Seal House stocks the Kamm® range of Profile Gaskets and can precision-cut profiles to suit any environment or application.

SOFT JOINTING MATERIALS

Seal House can supply the following soft jointing materials:

- Nitrile
- White Nitrile
- EPDM
- Neoprene
- PTFE
- EPTFE
- Viton®



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SEALHOUSE MOULDED PRODUCTS



SEAL HOUSE OFFERS CUSTOM MOULDING OF RUBBER, URETHANE AND PLASTIC PRODUCTS FOR A WIDE RANGE OF APPLICATIONS, IN A DIVERSE RANGE OF INDUSTRIES.

Compression moulding is a high-volume, high-pressure forming process suitable for moulding plastic or rubber material.

The moulding process is often used to manufacture large or fairly intricate parts using a mould tooled to a customer's particular requirements.

Seal House offers Custom Moulding of rubber, urethane and plastic products for a wide range of applications, in a diverse range of industries. Seal House offers specialist assistance at any stage of the design and development process, with tooling tailored to suit exact specifications and produced at a competitive rate.

Seal House can assist with choosing the best material for a particular application as each of these specialist materials offer different properties, including resistance to temperature (high or low), pressure (high or low), a range of chemicals and different degrees of abrasion.

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SEALHOUSE

EXTRUDED PRODUCT

EXTRUDED PRODUCTS ARE THOSE THAT HAVE BEEN CREATED BY BEING PUSHED OR DRAWN THROUGH A DIE.

The extrusion process enables very complex cross sections (profiles) to be created from a range of different materials.

Extruding also forms finished parts with an excellent surface finish.

Seal House supplies high quality Extruded Product in a range of standard profiles and materials, including tubing, cords, strips or profiles.

Seal House can also supply custom-made Extruded Product for a wide range of applications, in the engineering, marine, food, pharmaceutical and power generation industries, amongst others.

Extruded Products are commonly available in the following range of materials, and other materials may be available on request.

Seal House can offer specialist assistance at any stage of the design and development process for customised Extruded Product, with tooling tailored to suit exact specifications and produced at a competitive rate.



MATERIALS

Nitrile Rubber	For use with mineral-based oils & fuels
EPDM	Perfect for high UV resistance applications
Silicon	For use in extreme temperatures
Viton®	For use in extreme chemical resistance and high temperature applications
Natural Rubber	A resilient elastomer
Foam Rubber	Excellent cushioning properties and cost effective
PTFE	For use in extreme chemical resistance and high temperature applications
Sponge Rubber	A highly flexible material
Urethane	A highly flexible material

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SEALHOUSE DOOR SEALS



A DOOR SEAL, AS THE NAME SUGGESTS, IS USED TO SEAL A DOOR, MANWAY OR OTHER FORM OF CAVITY FROM INGRESS OR EGRESS OF MEDIA.

The type of door seal used will depend greatly on the application it is working in.

Seal House can supply Door Seals for use in a wide range of applications, in a number of different industries, including food and beverage, pharmaceutical, petro-chemical and bulk storage.

Door Seals and related products include:

- Inflatable seals
- Round gaskets
- Flat gaskets
- U-section gaskets
- Universal gaskets
- Custom gaskets

Seal House can assist with choosing the best material for a particular application as each specialist material offers different properties, including resistance to temperature (high or low), pressure (high or low); a range of chemicals and different degrees of abrasion.

SEAL HOUSE CAN SUPPLY
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SEALHOUSE UNION SEALS

SEAL HOUSE OFFERS UNION SEALS OF ALL COMMON STYLES FOR THE DAIRY, FOOD, BEVERAGE, PHARMACEUTICAL, CHEMICAL AND FLUID TRANSFER INDUSTRIES.

Union seals are used to seal joint, usually between two pipes or hose couplings. The styles used to achieve such a seal differ greatly.

Common styles include;

- RJT
- RJT - O-Ring type
- Camlock
- DIN
- Tri-Clover (flanged and un-flanged)

Seal House stocks and manufactures these Union Seals in a variety of materials.

As the seal comes in direct contact with the media, it is vitally important that the correct material is selected for the application.

Seal House can discuss and assist in the selection of a suitable material for your application.

Common materials available are;

- Nitrile Rubber
- EPDM
- Vitron®
- Urethane (H-Ecopur®)
- PTFE (Teflon®)
- Silicone

Seal House proudly offers Union Seals made of H-Ecopur®, in either red or natural colouring. H-Ecopur® is a long life, durable, food safe urethane which, when applied correctly, has been proven to have far superior longevity of service life over its rivals.

There are many examples where products made of

H-Ecopur® have lasted many years, reducing consumable and labour costs significantly.

Contact us to discuss your requirements.



RJT Union Seal H-Ecopur®

CALL US NOW 0800 732 573

SEALHOUSE MECHANICAL SEALS



A MECHANICAL SEAL, OR FACE SEAL, IS A DEVICE THAT PREVENTS LEAKAGE FROM A PUMP HOUSING OR SHAFT. MECHANICAL SEALS ARE AN INTEGRAL PART OF THE SEALING INDUSTRY.

Seal House seals use material of the finest quality to provide Mechanical Seals for a wide range of industry and application.

MATERIALS

Seal House can provide Mechanical Seals in the following materials, amongst others:

- Alumina
- Carbon Graphite
- Tungsten Carbide
- Silica Carbide



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SEALHOUSE



WHY USE SEAL HOUSE?

- We have a proven reputation for providing Quality Technical sealing Solutions for any sealing problem;
- We employ highly experienced and skilled technical staff ;
- We ensure that customer satisfaction is a top priority at every level of our company;
- We provide a comprehensive range of standard Seals, in materials, profiles and sizes to suit a wide variety of applications;
- We engineer customised seals that meet industry requirements for maximum sealing performance and durability in a wide variety of applications;
- We offer a range of sealing accessories which provide you with a One-stop Shop for all your sealing needs;

AVAILABILITY

Most Standard Seals are available ex-stock. Non standard Custom Seals are generally available on a 1-2 days turnaround.

SEAL MATERIALS

Selecting the most appropriate material for your Seal has a critical impact on achieving the best sealing

performance. We have a comprehensive range of the latest materials for all applications - contact us for help with your particular requirements.

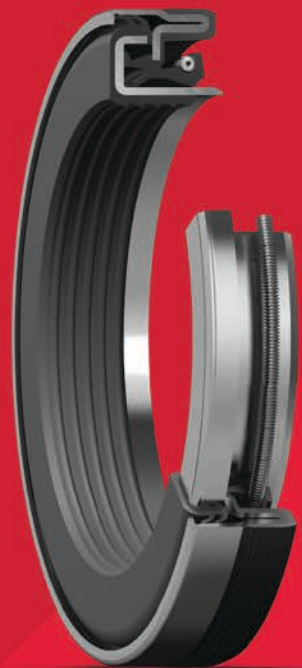
APPLICATIONS & INDUSTRIES

Seal House Seals are successfully used in the following industries:

- Hydraulics
- Pneumatics
- Food processing
- Pharmaceutical
- Construction
- Drilling
- Mining
- Injection moulding
- Steel Production
- Military/Defence
- Tyre production
- Oil Field exploration
- Packaging
- Power Generation
- Dairy
- Valves and Cylinder Repair Industries



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