

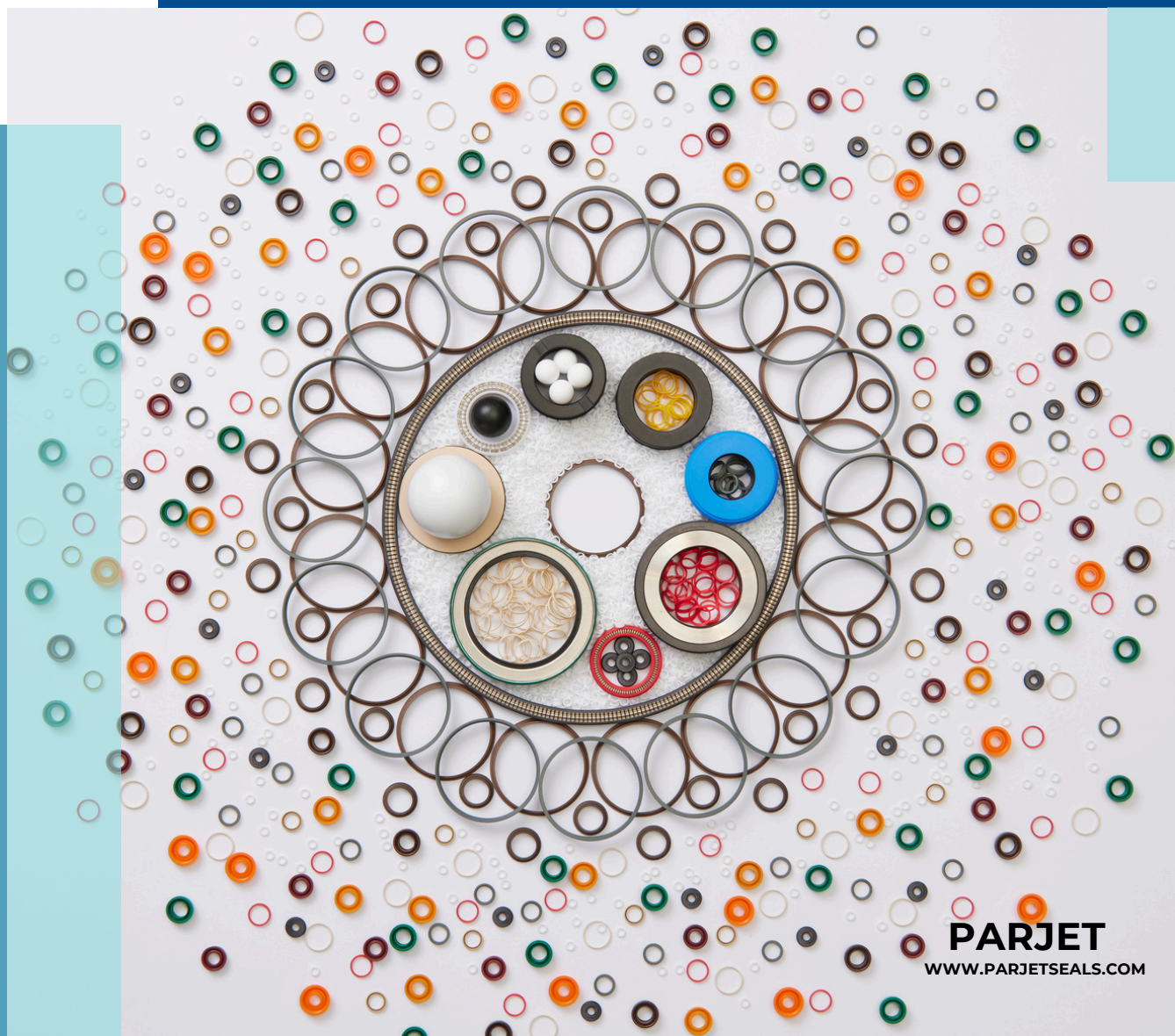
PARJET CO., LTD.



Parjet

COMPANY INTRODUCTION & PRODUCT OVERVIEW

ISO 9001
IATF 16949



PARJET
WWW.PARJETSEALS.COM

Manufactured

10M+

Seals annually

Sold to

2100+

Clients

Exported to

30+

Countries

More than

30+

years of
experience

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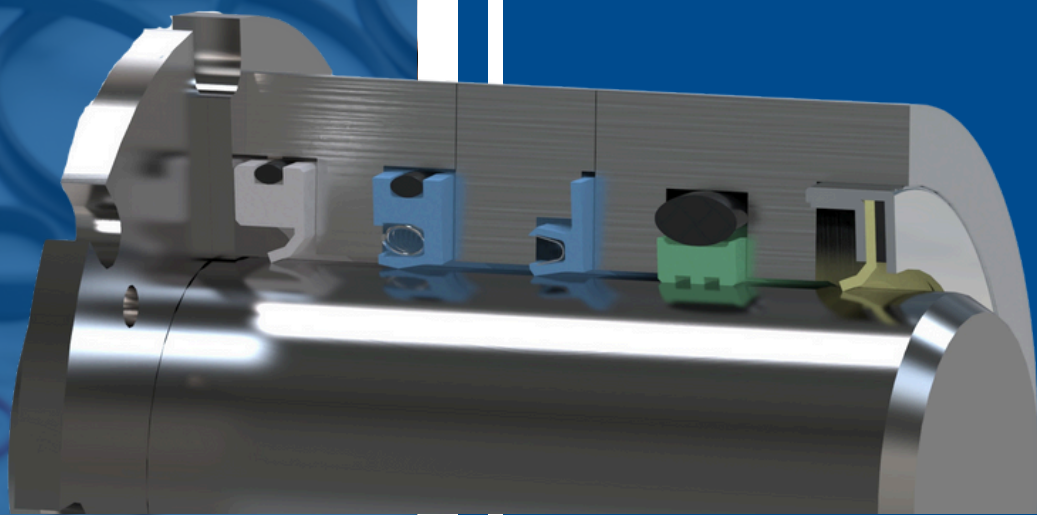
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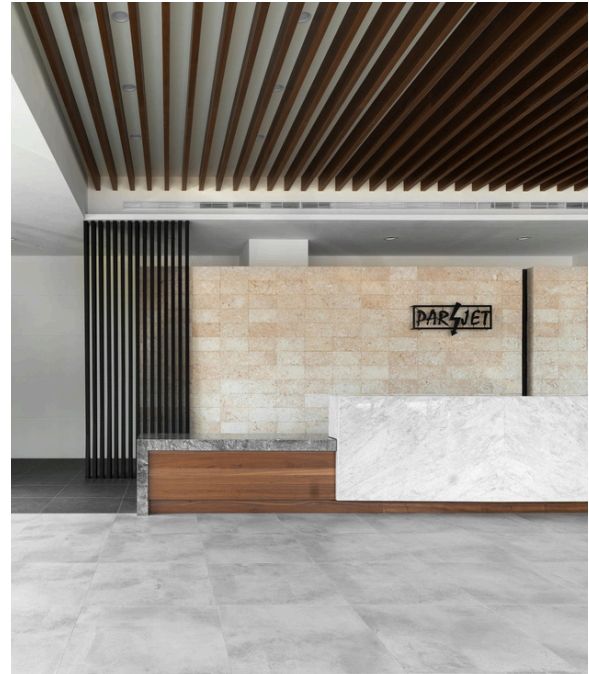
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PARJET

Parjet, founded in 1991, is an IATF 16949 and ISO 9001 certified advanced seals manufacturer and distributor that supplies high-performance customized sealing components to FTSE 500 enterprises.

We are one of the leading companies in manufacturing PTFE seals in Taiwan. We design, manufacture, and deliver various high quality sealing components to our customers around the globe. Parjet has an extensive inventory of PTFE seals, hydraulic seals, pneumatic seals, mechanical seals, bearing isolators, springs O-rings, hoses and many more. We supply superior quality sealing solutions to more than 2100+ companies in over 30 countries worldwide, serving more than 15 industries including Automotive, Oil & Gas, Health & Medical, Food & Beverage, Semiconductor, valves and more.



Our vision:

To help businesses create values, by one seal at a time.



Professionalism



Passion



Innovation



We offers comprehensive seal design, manufacturing, and distribution capabilities by believing in our three main values - **Professionalism, Passion, and Innovation**. We are committed to constantly improving our professionalism, while maintaining a passionate heart and innovative mindset. Our goal is to become one of the world's leading sources for engineered sealing products. With the support of highly trained engineers, top quality CNC machines and various R&D equipment, we can quickly identify, design, build and deliver all your sealing needs. We are your trustworthy supplier for the most demanding sealing solution.

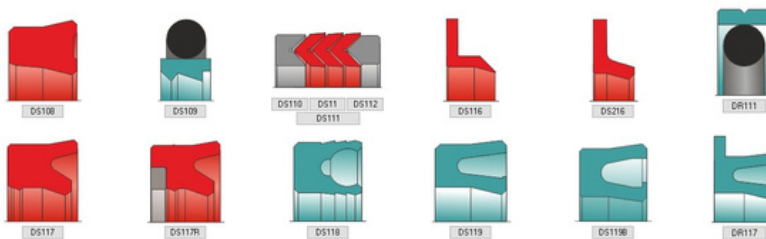
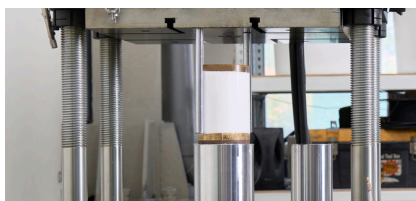
Our Capabilities

Production

We offer comprehensive seal design, manufacturing, and distributing capabilities. Our investment in developing sealing technologies, manufacturing capabilities and research and development equipment contributes to our reliability, efficiency, and proficiency. Manufacturing abilities include seal design, billet molding, sintering, machining, skiving, cutting, and customized packaging; we can quickly identify, design, build and deliver all your sealing needs.

Our production facilities include:

- CNC lathes with wide range of built-in programmed profiles
- Compression molding press
- Isostatic molding press
- Sintering oven
- Spring production machinery
- Laser welding machines
- Automatic seal-lip trimmers
- Computer-aid seal friction and wear test equipment

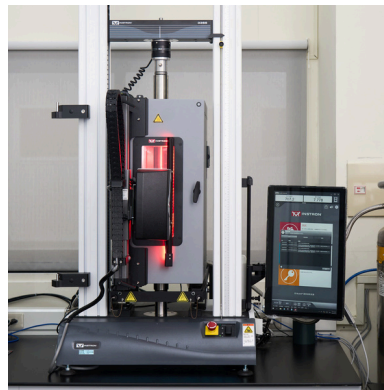
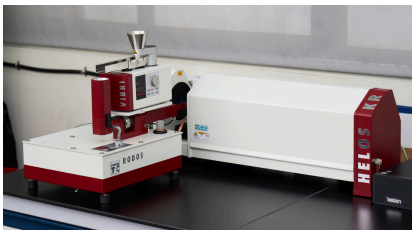
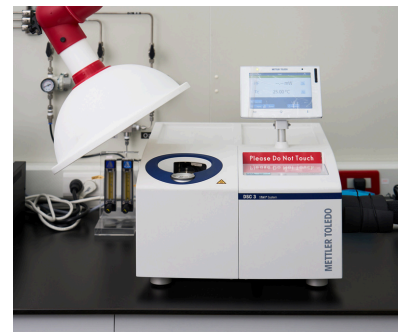


Laboratory

Quality has always been our top priority. To ensure our product quality, we only select top quality materials. We heavily invested in the laboratory with multiple research and development equipment that allow us to perform various analysis including incoming material inspection, wear rate analysis and material component analysis. These equipment allow us to analyze different material compounds, maintain product quality, find the root cause of material defects, perform incoming quality control and provide engineering support.

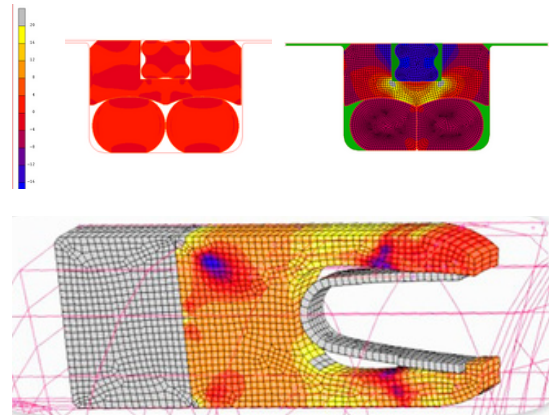
Our Laboratory Equipment includes:

- Universal Testing Machine
- Particle Size Distribution
- Differential Scanning Calorimeters
- Thermogravimetric Analysis
- Dynamic Mechanical Analyzer
- Fourier-Transform Infrared Spectroscopy
- Multi-Contact Tribological Tester
- Scanning Electron Microscopes | SEM

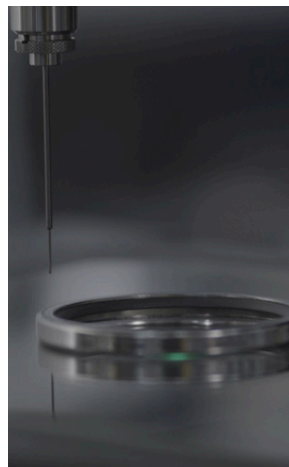
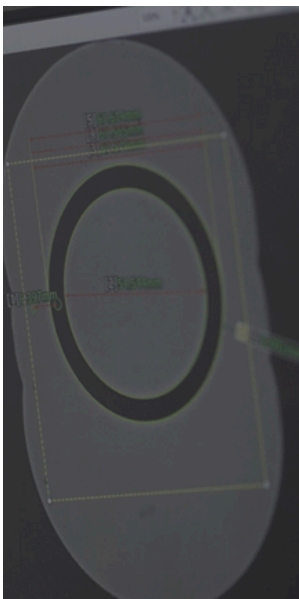


FEA Analysis

Beyond quality control purposes, the data from our laboratory equipment allows us to forecast the behavior of a seal through Finite Element Analysis (FEA). FEA can model how a seal can be affected by different factors in the real world, including temperature, vibration, material, friction, and usage ...etc. With our FEA analysis, we can simulate the behavior of a seal under given conditions. This technology saves time and money by projecting the outcome of a seal design without running a physical test and is used to identify and understand a seal design's weak points to help prevent failures. FEA has been utilized extensively for all our seal designs to ensure our customers get the best products.



Quality Control



As an IATF 16949 certified company, we pay highly attention to the quality consistency of our products. Therefore, Parjet invested in wide range of inspection equipment including Keyence dimension measurement systems that allow us to precisely measure and record product dimensions. This ensures our long term commitment to deliver the highest quality products to our customers.



HiPerSeal[®] - Spring Energized Seals

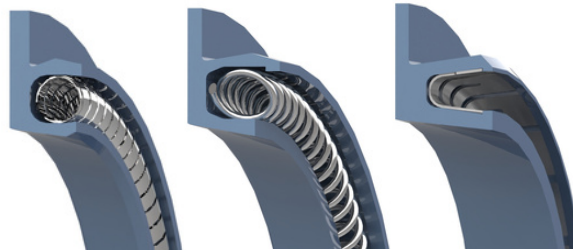
HiPerSeal[®] is a U-shaped machined performance polymer that utilizes a single spring energizer to provide force for the sealing lips. The seal jacket is made from PTFE compounds using high-performance polymer fillers to enhance overall spring seal life and wear resistance properties. The standard spring seal product line can be machined to fit AS 568A glands in radial rod and piston grooves and axial face seal configurations.

Application:

- Reciprocating
- Rotary
- Static

Spring energizers:

- Cantilever springs
- Helical springs
- Canted Coil springs



Available material for Spring energizers:

- Stainless steel (SS301, SS302, SS316.. and more)
- Elgiloy
- Hastelloy

Other materials available upon request.

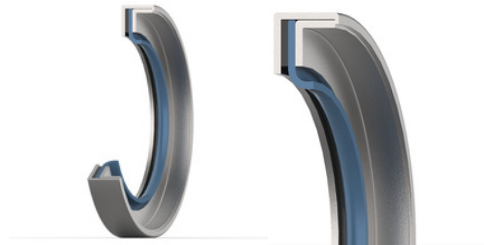
Parjet's engineering team has a wide range of design experience. We can customized to meet specific needs upon request.



HiPerLip[®] & HiPerFlon[®] PTFE Rotary Lip Seals

PTFE Rotary Lip Seal is ideal for sealing high-speed rotary applications with very low friction and minimal power draw to achieve better performance, higher response, and precision. With the unique sealing lip construction and excellent self-lubricated features of PTFE compounds, the PTFE rotary lip seal provides superior performance over conventional rubber oil seals.

HiPerLip[®] consist of metal casing:



HiPerFlon[®] consist of O Rings:



Advantages:

- Suitable for high speed and low to medium pressure applications.
- Very low break-out and dynamic friction even after long down times.
- Excellent service life due to abrasive resistant lip compounds.
- Suitable for short-term dry running and long-term poorly lubricated conditions.



ParSave® - Bearing Isolator

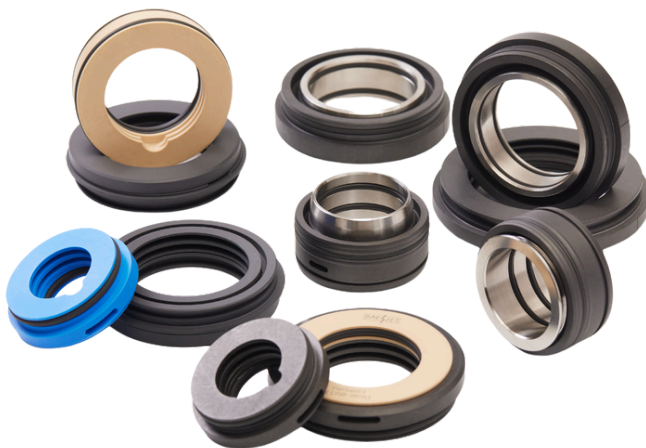
ParSave® a sealing device developed to protect the rolling bearings of rotary equipment and can replace traditional lip seals. ParSave® can effectively extend the service life of the bearings and rotating shafts. Additionally, due to the unique sealing mechanism, there is no contact between mating surfaces, so there are no potential wear and pollution problems. With the characteristics of the PTFE material such as excellent heat resistance, self lubrication and chemical resistance, ParSave® can operate effectively under harsh environments.

Features:

- Ensure that the lubricating grease is not polluted and prolong the operating life of the bearing
- Helps to reduce maintenance costs
- Seal Mechanism design performs an isolation effect
- Corrosive resistance
- Lightweight and simple design



Our engineering team has rich experience and capabilities in design, production, application, and diagnosis of problems. We provide optimal designs and selections for the shaft seal requirements of any rotary equipment.



ParSeries® - Mechanical Seals, Lip Seals

Mechanical shaft seals are often an ideal sealing method. They provide the most suitable sealing method under many conditions especially high temperatures, high pressures, high viscosity (sediment), high speeds, large diameters, and many others.

Parjet has developed a series of mechanical seals and lip seals that are applied in chemical, oil refining, biotechnology, power plant, aerospace, and other industries. Combining the professional advanced techniques from around the world, our team provides diagnosis and consultation for various sealing problems.

Mechanical Seals



ParMix®

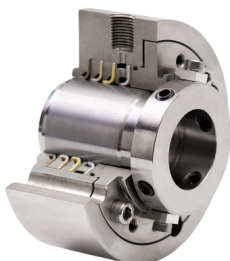


ParDual®

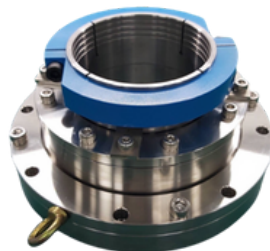


ParAce®

Lip Seals



ParLip®



ParFloat®

PTFE Glide Ring Set

PTFE Glide seal sets consists of a PTFE sealing element with a rubber O-ring functioning as elastic energizer. This is mainly used to seal reciprocating rods, pistons, and plungers, commonly found in hydraulic and pneumatic applications.

Various seal profiles can fit most single and double acting cylinders. Some compact profiles have been well developed to fit AS 568A standard O-ring grooves for one or two back-up rings.

Commonly used for:

- Piston Seals
- Rod Seals
- Rotary Seals
- Wipers



PTFE Seal Advantages:

- Excellent gliding characteristics due to low friction of the PTFE compounds.
- Wear resistance can be improved by different fillers
- Chemical Resistance
- High extrusion resistance
- Good thermal conductivity
- Full range of sizes available
- Easy fitting.

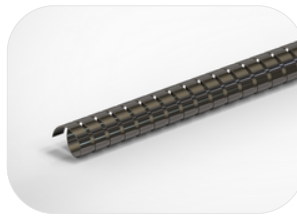
Springs

Parjet has worked with Springs for over 30 years of experiences in the sealing industry. We manufacture and offer various types of springs, from Cantilever springs that are mostly used for spring energized seals to Helical Spring that can be used in both spring energized seals and EMI shielding purposes. We also provide Canted Coil Springs that can perform EMI shielding, electricity conductivity and mechanical fastening purposes. These springs has been widely used in various industries including aerospace, transportation, oil & gas, offshoring, medical and construction industry.

Application:

- Spring Energizer
- Electricity conductivity
- Mechanical fastening purposes
- EMI Shielding

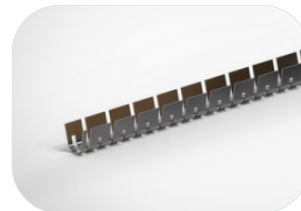
Our engineering team can design the springs based on different operating conditions and demands.



Helical Spring



Canted Coil Spring



Cantilever Spring



Available materials:

- Stainless Steel (SS301, SS302, SS316)
- Hastelloy C276
- Elgiloy
- BeCu 17200
- Inconel X750
- C18150
- Others

Material availability may depend on the spring type.

Wear Tape

Wear Ring are widely used in hydraulic cylinders; mainly used for keeping the piston centered and absorbing radical pressures and wear that are perpendicularly distributed along the cylinder.

It plays a crucial role in improving the efficiency, reliability and lifespan of different hydraulic equipment.

Standard material: Bronze filled PTFE

Other materials are available upon request.



PTFE Customized parts



Parjet provides wide range of PTFE customized products. With our CNC machines, we can easily machine and customize different shapes and materials.

For related inquiries, please contact us at www.parjetseals.com

O Rings

Parjet provides O-rings with different characteristics tailored to various application environments. We aim to provide suitable O-ring materials based on specific application requirements.

O-rings materials includes:

- Nitrile Butadiene Rubber (NBR)
- Hydrogenated Nitrile Butadiene Rubber (HNBR)
- Fluorocarbon Rubber (Viton)
- Ethylene Propylene Diene Monomer (EPDM)
- Silicone Rubber (VMQ)
- Chloroprene Rubber (CR)
- Fluorosilicone Rubber (MFQ)
- Polyurethane (PU)

More materials available upon request.



PTFE Bushing

PTFE Bushes are used in applications where standard metal material bush cannot be used in the extreme environment such as abrasive environment. With our professional engineering team, we design and manufacture PTFE Bushes in-house.



Advantages of PTFE bushes:

- Low coefficient of friction
- Light weight
- High chemical resistance
- High temperature resistance
- Applicable for softer shaft
- Meet with RoHS Standards
- Self-lubrication characteristics
- Easy to machine and customize

Parker Hannifin



Parker Hannifin is a Fortune 250 global leader in motion and control technologies. Located in more than 45 countries across the globe, they provide wide range of products for motion control requirements to various industries including aerospace, climate control, oil and gas, power generation, human motion and control, fluid and gas handling... and more.

We work closely with Parker and has officially become their authorized distributor of dynamic seals, hydraulic hose, and hydraulic fitting since 1993. We are one of the main representative distributors in Taiwan and maintain substantial inventory available upon request.



If you have any inquiries on the products of Parker Hannifin, please contact us.

Materials



Parjet offers all kinds of PTFE material based on different environment. We have hundreds of PTFE compounds and other polymeric materials including virgin PTFE, standard and filled PTFE compounds, PEEK, UHMWPE and much more. Parjet can meet with your material requirement in most of environmental and operating conditions. Contact us with your application and we can provide the most suitable material for you.



For more inquiries on any types of sealing products or PTFE related products, please contact us directly on website www.parjetseals.com or via email at parjet.co@msa.hinet.net. We will be very happy to assist you.



培凱有限公司

Parjet Co., Ltd.,



 No.36, Heye 2nd Road., Daliao District,
Kaohsiung City 831130, Taiwan (R.O.C.)
高雄市大寮區和發產業園區和業二路36號

 parjet.co@msa.hinet.net

 www.parjetseals.com

 +886 7 788 6950

 +886 7 788 0980