



*Prominent
Manufacturer in
Mechanical Seals,
Rotary Joints and Unions
& Pumps Components.*

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PRECISIO SEALS[®]
ENGITECH LLP

Powering smart world...

AN ISO 9001 : 2015 CERTIFIED COMPANY



PRECISIO SEALS®
ENGITECH LLP



Manufacturer in Mechanical Seals, Rotary Joints and Unions & Pumps Components.

Precisio Seals Engitech LLP is manufacturer of all types of pump spares & industrial mechanical seals with excellent combination of advance technology & high profile skills.

We introduce ourselves as one of the high skilled manufacturers with great quality in mechanical seals. We, Manufacture Mechanical Seals extending from simple water pump Seal to highly sophisticated pressure balance & hydro dynamic balance seal such as Single, Multiple & Conical Spring Seal, Rubber, Teflon & Metal Bellow Seal, Single & double Cartridge Seal, Agitator, Compressor & Dry Seal, etc. We are serving Petrochemicals, Refineries , Powder, Food Industries, Agrochemicals, Steel, Chemical & Fertilizers, Water Treatment Pulp, Paper & Textile Mills, Paint & Ink, Pharmaceuticals and other industries across India & Overseas with prompt Services.

AN ISO 9001 : 2015 CERTIFIED COMPANY

We have adopted a quality & customer centric approach in all our endeavours.

We also offer customized products & solution as per the requirements of our customers. We are successful in satisfying the demands of customer with reliable cost. Customer satisfaction is our only motto !



LET'S BUILD SMART WORLD

**AIM TO BUILD SMART
WORLD THROUGH THE
BEST TECHNOLOGY
AND AMPLE
EXPERIENCE.**





TEFLON BELLOW MECHANICAL SEAL

TYPE - PS25TB



FEATURES

Single acting, Outside mounted, Independent of direction, Balanced.

OPERATING LIMITS

Shaft Dia 18mm to 100mm

Pressure 6 bar (max)

Temperature -40° to 120°

Speed 2900 RPM (Max)

SEAL FACE MATERIALS

Carbon, Silicon Carbide, Ceramic (99.5%).

SECONDARY SEALING

PTFE, Ceramic, GFT, CFT.

METAL COMPONENTS

SS 316, SS 304, Monel, Alloy - 20, Hastelloy - C ,

APPLICATION

Acid & Acidic Fluids ,
General & Light Chemical,
Extremely Corrosive services

CONICAL SPRING MECHANICAL SEAL

TYPE - PS38CS



FEATURES

Acid & Acidic Fluids , General & Light Chemical, Extremely Corrosive services

OPERATING LIMITS

Shaft Dia 12mm to 90mm

Pressure 10 bar (max)

Temperature -20° to 120°

Speed 2900 RPM (Max)

SEAL FACE MATERIALS

Cast Chrome Steel, Carbon, Ceramic (99.5), Silicon Carbide, Tungsten Carbide, Stellite

SECONDARY SEALING

SILICON, VITON, PTFE, NEOPRENE, EPDM.

METAL COMPONENTS

SS 316, SS 304

APPLICATION

Maintenance Free, Leak Proof,
Optimum Thickness, Inside Mounted



WAVE SPRING MECHANICAL SEAL

TYPE - PS82WS



FEATURES

Universal Application Opportunities, Self Cleaning Effect.

OPERATING LIMITS

Shaft Dia 14mm to 100mm

Pressure 16 bar (max)

Temperature -45° to 200°

Speed 2900 RPM (Max)

METAL COMPONENTS

SS 316, SS 304,

SEAL FACE MATERIALS

Carbon, Silicon Carbide, Tungsten Carbide, Ceramic(99.5%), Stellite.

SECONDARY SEALING

EPDM, TTV, GFT, SILICON, VITON, PTFE, NEOPRENE.

APPLICATION

Paper & Pulp Industries, Sugar , Waste Water Dairy industries, Clean Water, Sewage Water, Oil Refineries.

MULTI SPRING & MULTI SPRING U MECHANICAL SEAL

TYPE - PS79MS



FEATURES

Unbalance seal, Inside mounted, Maintenance Free, Multi spring design, Long life service.

OPERATING LIMITS

Shaft Dia 14mm to 100mm

Pressure 10 bar (max)

Temperature -60°C to 200°C

Speed 2900 RPM (max)

METAL COMPONENTS

SS 316, SS 304

SEAL FACE MATERIALS

Silicon Carbide, Tungsten Carbide, Ceramic, Carbon-M, Carbon-R.

SECONDARY SEALING

EPDM, TTV, SILICON, VITON, PTFE, NEOPRENE, NITRILE.

APPLICATION

Chemical Pumps, Petrochemical Industries, Corrosive Chemical Pumps, High Pressure Pump Acid Pump.



GRUNDFOS

MECHANICAL SEAL

TYPE - PS446F



FEATURES

Maintenance free, Optimum thickness, Inside Mounted, Long Service Life.

OPERATING LIMITS

Shaft Dia 12mm, 16mm, 22mm

Pressure 10 bar (max)

Temperature -20°C to 200°C

Speed 2900 RPM (max)

METAL COMPONENTS

SS 316, SS 304

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE

SECONDARY SEALING

SILICON, VITON, NEOPRENE.

APPLICATION

Chemical Process Pump, Oil Refineries, Thermal Power Plants, Nuclear Plant, Petroleum, Paper, Pulp Industries.

RUBBER BELLOW

MECHANICAL SEAL

TYPE - PS36RB



FEATURES

Long service life, Unparalleled quality, Bendable.

OPERATING LIMITS

Shaft Dia 10mm to 100mm

Pressure 12 bar (max)

Temperature -20°C to 180°C

Speed 2900 RPM (max)

METAL COMPONENTS

SS 316, SS 304

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE.

SECONDARY SEALING

NBR, EPDM, VITON, SILICON

APPLICATION

Chemical Pumps, Petrochemical Industries, Corrosive Chemical Pumps, High Pressure Pump, Fuel injection pumps.



METAL BELLOW MECHANICAL SEAL

TYPE - PS21MB



FEATURES

Long life, Durability, Abrasive resistance, Slip free, Stick free, Simple installation, High static and dynamic sealing Extrusion free, With standing a very high range of temperature and pressure, High abrasion resistance.

OPERATING LIMITS

Shaft Dia 20mm to 100mm

Pressure 18 bar (max)

Temperature -20°C to 220°C

Speed 2900 RPM (max)

METAL COMPONENTS

SS 316, SS 304,

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE, STELLITE.

SECONDARY SEALING

EPDM, AFLAS, VITON, PTFE, NEOPRENE.

APPLICATION

Dairy industries for containers for milk, processed milk, cream, Beverages industries for beer, fruit juices and fruit syrups, Water businesses for containing RO water and purified water, Dying and pigmenting industries Textile industry, Water proofing industry, Water treatment plants, etc.

METAL BELLOW MECHANICAL SEAL

TYPE - PS21MB



FEATURES

Single Acting, Dual directional, Inside mounted, Inherently Balanced Mechanical Seals. Independent of direction of rotation, Unitized, Easy-to-Fit Design.

OPERATING LIMITS

Shaft Dia 10mm to 100mm

Pressure UP TO 25bar (max)

Temperature -70°C to 350°C

Speed 3000 RPM (max)

METAL COMPONENTS

SS 316, SS 304,

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE,

SECONDARY SEALING

EPDM, AFLAS, VITON, PTFE, NEOPRENE.

APPLICATION

Dairy industries for containers for milk, processed milk, cream, Beverages industries for beer, fruit juices and fruit syrups, Water businesses for containing RO water and purified water, Dying and pigmenting industries Textile industry, Water proofing industry, Water treatment plants, etc.



HJ97N MECHANICAL SEAL

TYPE - PS97HJ



FEATURES

Single Acting, Inside Mounted, Dependent Of Direction Of Rotation.

OPERATING LIMITS

Shaft Dia 18mm to 100mm

Pressure 10 bar (max)

Temperature -50°C to 220°C

Speed 2900 RPM (max)

METAL COMPONENTS

S.S.316, S.S.304.

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE, STELLITE.

SECONDARY SEALING

ELOSTOMER "O" RING, SILICON, VITON, PTFE, TCV.

APPLICATION

Chemical Process Pump, Oil Refineries, Thermal PowerPlants, Nuclear Plant, Petroleum, Paper, Pulp Industries & all the Marine Industries.

DURA TYPE MECHANICAL SEAL

TYPE - PS76DT



FEATURES

Maintenance free, Long Service Life , Optimum thickness, Inside Mounted.

OPERATING LIMITS

Shaft Dia 20mm to 100mm

Pressure 25 bar(max)

Temperature -20°C to 180°C

Speed 2900 RPM(max)

METAL COMPONENTS

SS 316, SS 304

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN - CARBIDE, STELLITE.

SECONDARY SEALING

SILICON, VITON, PTFE, NITRILE, EPDM

APPLICATION

Generally used in Chemical Process Pump, Oil Refineries, Thermal Power Plants, Nuclear Plant, Petroleum, Paper, Pulp Industries & all the Marine Industries.



HI FAB MECHANICAL SEAL

TYPE - PS21HF



FEATURES

Maintenance free, Optimum thickness, Long Service Life, Inside Mounted.

OPERATING LIMITS

Shaft Dia 22mm to 90mm

Pressure 14 bar (max)

Temperature -23°C to 180°C

Speed 2900 RPM (max)

METAL COMPONENTS

S.S.316, S.S.304.

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE, STELLITE.

SECONDARY SEALING

TTV, GFT, SILICON, VITON, PTFE.

APPLICATION

Chemical Process Pump, Oil Refineries, Thermal Power Plants, Nuclear Plant, Petroleum, Paper, Pulp Industries & all the Marine Industries.

SINGLE CARTRIDGE MECHANICAL SEAL

TYPE - PS10SC



FEATURES

High speeds - Stationary multi-spring design for even face loading high pressures - Robust seal-faces minimize the effects of pressure distortion Monolithic seal-faces maintain flatness under temperature fluctuation.

OPERATING LIMITS

Shaft Dia 25mm to 100mm

Pressure 12 bar (max)

Temperature -25°C to 180°C

Speed SUBJECT TO APPLICATION

METAL COMPONENTS

SS 316, SS 304.

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE, STELLITE.

SECONDARY SEALING

EPDM, TTV, SILICON, VITON, PTFE, NEOPRENE.

APPLICATION

Chemical Process Pump, Oil Refineries, Thermal Power Plants, Nuclear Plant, Petroleum, Paper, Pulp Industries & all the Marine Industries.



DOUBLE CARTRIDGE MECHANICAL SEAL

TYPE - PS11DC



FEATURES

Dry/ wet running option, For vessel pressure upto 6 bar,
Un-pressurised sealant, Cartridge construction, extended service life

OPERATING LIMITS

Shaft Dia 25mm to 150mm

Pressure Up to to 15 Bar

Temperature - 30° C to 260° C

Speed 3000 RPM (max)

SEAL FACE MATERIALS

CARBON, TC, SIC,

SECONDARY SEALING

Viton, PTFE, and FFKM

METAL COMPONENTS

SS 304, SS 316

APPLICATION

Double Cartridge Seal are Recommended for Clean and dirty media application . Seal can tolerate reversal pressure. Double Cartridge Seal is Standard for using where Corrosive Liquid are being Processed

AGITATOR MECHANICAL SEAL

TYPE - PS90AM



FEATURES

Dry/ wet running option, For vessel pressure upto 6 bar,
Un-pressurised sealant, Cartridge construction, extended service life

OPERATING LIMITS

Shaft Dia 25mm to 150mm

Pressure Vacuum to 6 Bar

Temperature Ambient to 250 °C

Speed 20 m/sec

SEAL FACE MATERIALS

CARBON, SIC, CERAMIC

SECONDARY SEALING

PTFE, Viton, FFKM

METAL COMPONENTS

SS 304, SS 316, Hastelloy-C

APPLICATION

Heavy Duty Top Entry Glass Lined Reactors of Chemicals,
Petrochemicals, Pharmaceuticals, Food & Fertilizers plants



JET FLOW MECHANICAL SEAL

TYPE - PS96JF



FEATURES

OPERATING LIMITS

Shaft Dia 18mm to 100mm

Pressure 10 bar (max)

Temperature -60°C to 200°C

Speed 2900 RPM (max)

METAL COMPONENTS

SS 316, ALLOY 20, 904L

SEAL FACE MATERIALS

CARBON, SILICON CERAMIC, TUNGSTEN CARBIDE.

SECONDARY SEALING

EPDM, SILICON, VITON, NEOPRENE.

APPLICATION

Chemical Process Pump, Oil Refineries, Thermal Power Plants, Nuclear Plant, Petroleum, Paper, Pulp Industries & all the Marine Industries.

DOUBLE MECHANICAL SEAL

TYPE - PS55DM



FEATURES

OPERATING LIMITS

Shaft Dia 14mm to 100mm

Pressure 16 bar (max)

Temperature -20°C to 180°C

Speed 2900 RMP (max)

METAL COMPONENTS

SS 316, SS 304.

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE.

SECONDARY SEALING

NBR, EPDM, VITON. SILICON, TCV.

APPLICATION

Chemical Process Pump, Oil Refineries, Thermal Power Plants, Nuclear Plant, Petroleum, Paper, Pulp Industries & all the Marine Industries.



DRY MECHANICAL SEAL

TYPE - PS80DS



FEATURES

Dry Mechanical Seals are outside mounted balanced mechanical seal, which require no shaft or sleeve step for balancing seal shows good performance in high vacuum conditions. Since no auxiliary equipments are needed for installation, it is very cost effective & economical. These seal can be easily installed & repaired on the field to minimized replacements costs & downtime.

OPERATING LIMITS

Pressure 10 bar(max)

Temperature -20°C to 180°C

Velocity 20 m/s

METAL COMPONENTS

SS 316, SS 304.

SEAL FACE MATERIALS

ROTARY : CARBON,
STATIONARY : SILICON

SECONDARY SEALING

Viton, TTV, FKM, TCV, PTFE,
EPR, EPDM.

APPLICATION

Chemical Process Pump, Oil Refineries,
Thermal Power Plants, Nuclear Plant,
Petroleum, Paper, Pulp Industries
& all the Marine Industries.

ROTARY JOINT & UNION MECHANICAL SEAL

TYPE - PS01RJ & PS01RU



FEATURES

The mechanical drive of this seal is realised by grub screw which lock onto the shaft. Balanced Single spring seals has a limited axial length, compact shape which allows easy mounting. Balance and unbalanced version can just be obtained by simply changing the carbon face assembled through circlip provided.

OPERATING LIMITS

Pressure 10 bar (max)

Temperature 120°C

Size Range 3/8" to 2.0"

METAL COMPONENTS

SS 316, ALLOY 20, 904L

SEAL FACE MATERIALS

CARBON - M, CARBON -R, SILICON
CARBIDE, TUNGSTEN CARBIDE.

SECONDARY SEALING

GRAFOIL, VITON, TTV, PTFE, EPR
EPDM, BMR

APPLICATION

Chemical Process Pump, Oil Refineries,
Thermal Power Plants, Nuclear Plant,
Petroleum, Paper, Pulp Industries &
all the Marine Industries.



HIGH PRESSURE DOUBLE AGITATOR MECHANICAL SEAL

TYPE - PS48DPA



FEATURES

Dry/ wet running option, For vessel pressure upto 6 bar, Un-pressurised sealant, Cartridge construction, extended service life

OPERATING LIMITS

Shaft Dia 25mm to 150mm

Pressure 35 bar (Max)

Temperature - 20 & 150°

Speed 2 m/s or less

SEAL FACE MATERIALS

SILICON CARBIDE, TUNGSTEN CARBIDE,

SECONDARY SEALING

Viton, TTV, Aflas, EPDM, PTFE, FFKM

METAL COMPONENTS

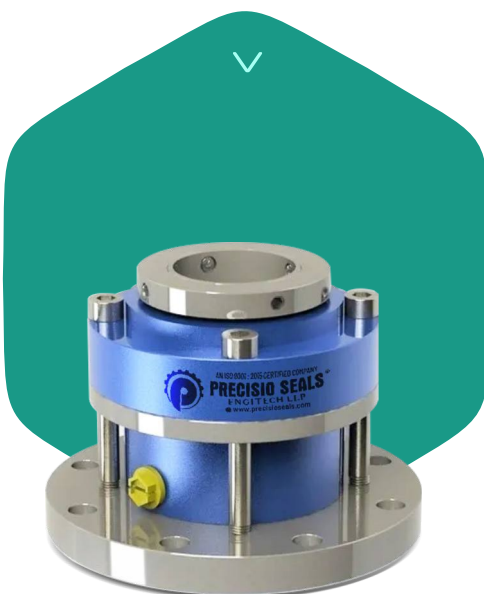
Ss304, SS316, SS316L

APPLICATION

Mainly used in top driven vertical type glass/ polymer lined reactors, cladded reactors and agitation equipment, which is having a corrosive media.

SINGLE AGITATOR MECHANICAL SEAL

TYPE - PS90AM



FEATURES

Dry/ wet running option, For vessel pressure upto 6 bar, Un-pressurised sealant, Cartridge construction, extended service life

OPERATING LIMITS

Shaft Dia 25mm to 150mm

Pressure Up to 60 Bars

Temperature Amb... 250°

Speed 500 RPM (max)

SEAL FACE MATERIALS

CARBON, SILICON CARBIDE, TUNGSTEN CARBIDE, CERAMIC (99.5%), LECROLOLLOY.

SECONDARY SEALING

GFT, PTFE, ELASTOMER.

METAL COMPONENTS

SS 316, SS 304.

APPLICATION

High Pressure seals that are used for top entry and side entry autoclaves & mixers. These seal are used in all kinds of mixers, reactors, driers in pharmaceuticals, paints, pulp & plastic industries. The seals are factory assembled with cartridge unit, therefore can easily be installed without disturbing the delicate mating faces. For larger shaft deflection special version with integrated floating bearing is provided.



SINGLE AGITATOR

TYPE - PS102SA

MECHANICAL SEAL

FEATURES

Single end unbalanced and balanced, wet seal without bearing arrangement. The component is cartridge seal with easy installation. These seals are supplied with cooling water jacket, which ensure cool running of seals.

OPERATING LIMITS

Shaft Dia 50mm

Pressure 35 bar (Max)

Temperature Amb... 100°

Speed 600 RPM (max)

SEAL FACE MATERIALS

SILICON CARBIDE,
TUNGSTEN CARBIDE

SECONDARY SEALING

KARLEZ

METAL COMPONENTS

SS 316, SS 304.

APPLICATION

It is mainly used in top driven vertical type agitation equipment, which does not have strict requirements for leak proof ness.



PUMP SPARES
& Components



ALL TYPE OF ORINGS
Products



GASKETS



PRECISIO SEALS[®]
ENGITECH LLP

WHY WE ARE...?

We manufacture highly efficient and reliable Mechanical Seals for Pumps, Cartridge, Agitators, Reactors, Rotary joints and Rotary unions and all other equipments having rotating shafts. We have got all the necessary plant & machineries and other infrastructure to manufacture quality products. We will constantly endeavor to satisfy our customers by understanding their requirements through active participation and effective communication. We will develop creative solutions to meet these requirements and explore new technologies in anticipation of the changing times.

We will achieve this through the following objectives :

- ✔ Supplying products complying to agreed specifications free of errors.
- ✔ Developing customer focus in our employees.
- ✔ Development of our employees by technical and quality training.
- ✔ Developing vendors' quality by providing them with technical support.
- ✔ Standardisation to reduce inventory and lead times.
- ✔ Reducing our costs through technology, productivity and quality improvements.
- ✔ Providing emergency support to the customer at his site and at our works in case of failures.

Quality Assurance :

We apply ourselves to perform the right quality and the right time to all customers. We believe that the correct raw material is very important factor for the execution of quality of products.

We believe..



We follow...





STATE OF THE ART INFRASTRUCTURE

Our infra structural base is backed with the latest machines and modern technology based equipment.

We manufacture highly efficient and reliable Mechanical Seals for Pumps, Cartridge, Agitators, Reactors, Rotary joints and Rotary unions and all other equipments having rotating shafts. We have got all the necessary plant & machineries like and other infrastructure to manufacture quality products. We will constantly endeavor to satisfy our customers by understanding their requirements through active participation and effective communication. We will develop creative solutions to meet these requirements and explore new technologies in anticipation of the changing times.



Quality Is More Than Making a Valuable Product

At Preciso Seals, quality is our utmost priority. We always ready to adopt new technology for Improving our products quality and durability & Shelf life.



EMINENT DESIGN

We deliver quality products through the eminent design and creative approach to execute the quality mechanical seal solution.



QUALITY EXECUTION

Our intense to provide best quality, fast delivery and great service through active participation and extreme effective communication.



AMPLE EXPERIENCE

We always keen to develop creative solutions to meet our customer's requirements through the our extensive and ample experience.

INDUSTRIES WE SERVE

- PETROCHEMICALS
- PHARMACEUTICALS
- DAIRY PLANT
- OIL REFINERIES
- CHEMICALS
- TEXTILES



PRECISIO SEALS ENGITECH LLP

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