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Jain Engineers

Innovative Engineering Solutions



ISO 9001 : 2008
Certified Company



Manufacturer & Exporter of

Mechanical Seals

Pump & Distillery Spares

Bearing Isolators

Agitator Drive Assembly

Biotech Components

Precision Components

*Delivering World Class
Engineering Solutions Since 1995*

www.jainseals.com

Plot No. 1224, 12th Main Road,
KIADB Auto Nagar, Kanbaragi Industrial Area,
Belagavi, Karnataka, India 590015

Off : 0831 - 2459908, 2459841
Mobile : +91-9845096404
+91-9686321404

Email ID : jainengineers@gmail.com

Jain Engineers was established in the year 1995 with a mission to manufacture world class products and to provide prompt after sales services to the clients. We at Jain Engineers are passionate about Precision and Perfection. This makes us stand out and effectively describe our range of products. Jain Engineers is a leading Manufacturer and Exporter of Mechanical Seals, Pump & Distillery Spares, Bearing Isolators, Biotech & Precision Components.

We have a well-established 15,000 sq. ft. ultra-modern manufacturing unit at Belagavi, Karnataka with all modern and advanced equipments with ERP and ISO implemented. We have highly qualified engineers and technicians who are engaged in continuous development of products to ensure the best quality products at affordable price and meet the changing trends of global market.

Jain Engineers has earned a reputation for offering some of the most progressive, innovative & proven engineering solutions to the industry. Our objective is to widen our customer base through cost effective solutions in the form of both products and services. We are committed to provide latest technology to our valuable customers with continuous improvement. As Quality Products at Competitive Price are our strength, we are proud to call ourselves as Innovative Engineering Solutions Company.

We are having representatives all over India, Abroad to sell our mechanical seals under the registered trademark "**JAIN SEALS**". Seals manufactured by us are comparable to the ones manufactured by Burgmann, John Crane, Pillar, Nippon, Chesterton but available at a competitive price & are serving the Process Industry, Shipping Industries, Dairies, Distilleries, Beverages, Petroleum Industries, Sugar Industries, Thermic Fluids and Chemical Industries. We are having vast clientele all over India as well as abroad like Singapore, Oman, Kingdom of Saudi Arabia, South Africa to name a few.

Executive Team



Mr. Ashok P. Danawade, *CEO & MD*

Ashok Danawade found Jain Engineers in 1995 and under his leadership the company have grown by leaps and bounds. Today, it has carved a special niche in the industry as Engineering Solution Company. He has 40 plus years of rich experience of design and manufacturing with more than 20 years spent in mechanical seal industries. He initially worked with Kirloskar Pneumatics Ltd., Keming Tools, Bombay Metal & Alloys Co, General Seal Co to name a few.

Dr. Anil Shirahatti, *Director - R & D*

Anil is having 15+ years of experience in design and product development. He holds Master degree in Engineering Design & Ph.D. in Mechanical Engineering from University of Bristol, United Kingdom. Throughout his professional career he has been actively engaged in new product development initiatives, from concept to prototype development, through effective project and people management.

Mrs. Anupama A S, *Manager - Finance & Marketing*

Anupama is having 12+ years of experience in marketing and finance in India and abroad. As a manager of finance & marketing, she provides leadership to sales and marketing team and takes care of finance part of the company. She holds a MBA degree in Entrepreneurship from NIMS, Mumbai.

Miss. Archana A D, *Technical Consultant*

Archana is having 10+ years of experience in design of process equipment and components. She has been instrumental in the design and development of process equipment division of the company. She holds a Master degree in Chemical Engineering from Manipal University.





Conical Coil Unbalanced Mechanical Seals (JE-1X Series)

Shaft diameter : 10 to 100 mm Pressure : upto 10 bar Speed : upto 3000 rpm
Temperature : -20 to 180 °C Metal parts : SS316, SS304, Monel, Hastalloy, Alloy-20
Seal face : Carbon, Tungsten Carbide, Silicon Carbide
Secondary seals : EPR, Viton™, FEP, Neo-prene, PTFE, Kalrez, EPDM, Nitrile
Seal Characteristics : Inside mounted, Single acting, Dependent on direction of rotation
Application : Petrochemicals, General Chemicals, Oil Refineries, Suspended Particles & Slurry, Chemical Process Pumps



Single Spring Coil Unbalanced Mechanical Seals (JE-2X Series)

Shaft diameter : 10 to 160 mm Pressure : upto 10 bar Speed : upto 3000 rpm
Temperature : -20 to 240 °C Metal parts : SS316, SS304, Monel, Hastalloy, Alloy-20
Seal face : Carbon, Tungsten Carbide, Silicon Carbide
Secondary seals : EPR, Viton™, FEP, Neo-prene, PTFE, Kalrez, EPDM
Seal Characteristics : Inside mounted, Single acting, Independent of direction of rotation
Application : Petrochemicals, General Chemicals, Oil Refineries, Suspended Particles & Slurry.



Single Spring Coiled Unbalanced Mechanical Seals (JE-3X Series)

Shaft diameter : 12 to 150 mm Pressure : upto 30 bar Speed : upto 3000 rpm
Temperature : -20 to 240 °C Metal parts : SS316, SS304, Monel, 904L, Alloy-20
Seal face : Carbon, Tungsten Carbide, Silicon Carbide
Secondary seals : Viton™, PTFE, GFT, EPDM
Seal Characteristics : Inside mounted, Single acting, Independent of direction of rotation
Application : Petrochemicals, General Chemicals, Refineries, Suspended Particles, Mild Slurry, High Pressure Pumps, Nuclear & Fertilizer Plants



Elastomer Bellow Mechanical Seals (JE-4X Series)

Shaft diameter : 12 to 100 mm Pressure : upto 10 bar Speed : upto 3000 rpm
Temperature : -20 to 200 °C Metal parts : SS316, SS304
Seal face : Carbon, Tungsten Carbide, Silicon Carbide
Secondary seals : Viton™, Niton, EPDM, Nitrile, Neoprene
Seal Characteristics : Inside mounted, Single acting, Dependent on direction of rotation
Application : Sewage Applications, Hot & Cold Water Pumps, Waste Water Pumps, Fuel Injection Pumps



Rubber Bellow Mechanical Seals (JE-5X Series)

Shaft diameter : 12 to 90 mm Pressure : upto 10 bar Speed : upto 3000 rpm
Temperature : -20 to 180 °C Metal parts : SS316, SS304, Monel, Hastalloy, Alloy-20
Seal face : Carbon, Tungsten Carbide, Silicon Carbide
Secondary seals : Viton™, EPR, FEP, Neo-prene, PTFE, Kalrez, Nitrile
Seal Characteristics : Inside mounted, Single acting, Dependent on direction of rotation
Application : Water & Sewage Applications, Light Chemicals, Polymer Industry



Wave Spring Mechanical Seals (JE-6X Series)

Shaft diameter : 18 to 100 mm Pressure : upto 10 bar Speed : upto 3000 rpm

Temperature : -20 to 240 °C Metal parts : SS316, SS304, 904L, Alloy-20

Seal face : Carbon, Tungsten Carbide, Silicon Carbide

Secondary seals : Viton™, PTFE, EPDM

Seal Characteristics : Single acting, Balanced/Unbalanced, Independent of direction of rotation, Spring is Isolated from Product

Application : Purification Plants, Pulp & Paper, Chemical, Petrochemical & Sugar Industries, Brewery & Pharmaceutical Applications



Metal Bellow Mechanical Seals (JE-7X Series)

Shaft diameter : 19 to 102 mm Pressure : upto 15 bar Speed : upto 3000 rpm

Temperature : -20 to 400 °C Metal parts : SS316, SS304, Monel, Hastalloy, Alloy-20

Seal face : Carbon, Tungsten Carbide, Silicon Carbide

Secondary seals : Viton™, PTFE, Neoprene, Kalrez, Graphite

Seal Characteristics : Inside Mounting, Single acting, Balanced/Unbalanced, Independent of direction of rotation, Spring is Isolated from Product

Application : Petrochemicals, General Chemicals, Oil Refineries, Thermic Fluids, High Temperature Applications



PTFE Mechanical Seals (JE-8X Series)

Shaft diameter : 16 to 100 mm Pressure : upto 10 bar Speed : upto 1400 rpm

Temperature : -20 to 120 °C Metal parts : SS316, SS304, Monel, Hastalloy, Alloy-20

Seal face : Carbon, GFT, Silicon Carbide, Ceramic

Secondary seals : PTFE, GFT

Seal Characteristics : Inside Mounting, Single acting, Independent of direction of rotation

Application : Chemicals, Aggressive Corrosive Applications, Acids, Alkalis



Grundfos Cartridge Mechanical Seals (JE-9X Series)

Shaft diameter : 10 to 200 mm Pressure : upto 10 bar Speed : upto 3000 rpm

Temperature : -20 to 180 °C Metal parts : SS316, SS304, Monel, Hastalloy, Alloy-20

Seal face : Carbon, Tungsten Carbide, Silicon Carbide

Secondary seals : Viton™, EPDM, NBR

Seal Characteristics : Inside Mounting, Single acting, Unbalanced, Independent of direction of rotation

Application : Grundfos Pumps, General Chemicals, Oil Refineries, Food & Beverages, Mining Industries



Multi Spring Unbalanced Mechanical Seals (JE-10X Series)

Shaft diameter : 12 to 150 mm Pressure : upto 15 bar Speed : upto 3600 rpm

Temperature : -20 to 180 °C Metal parts : SS316, SS304, Hastalloy, Alloy-20

Seal face : Carbon, Tungsten Carbide, Silicon Carbide

Secondary seals : Viton™, EPR, FEP, PTFE, GFT, Neo-prene, Kalrez

Seal Characteristics : Inside Mounting, Single acting, Independent of direction of rotation

Application : Petrochemicals, General Chemicals, Oil Refineries, Food & Beverages, Industrial Fluids



Multi Spring Reversed Unbalanced Mechanical Seals (JE-11X Series)

Shaft diameter : 12 to 150 mm Pressure : upto 10 bar Speed : upto 3000 rpm
 Temperature : -40 to 180 °C Metal parts : SS316, SS304, Hastalloy, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : Viton™, EPR, FEP, PTFE, Neo-prene, Kalrez
 Seal Characteristics : Inside Mounting, Single acting, Independent of direction of rotation
 Application : Corrosive Chemicals, Hydrocarbons, Acid & Acidic Atmosphere



Multi Spring Balanced Mechanical Seals (JE-12X Series)

Shaft diameter : 18 to 150 mm Pressure : upto 20 bar Speed : upto 3000 rpm
 Temperature : -20 to 220 °C Metal parts : SS316, SS304, Hastalloy, Alloy-20, 904L
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : Viton™, EPR, FEP, PTFE, Neo-prene, Kalrez
 Seal Characteristics : Inside Mounting, Single acting, Independent of direction of rotation
 Application : Petrochemicals, General Chemicals, Oil Refineries, Food & Beverages, Industrial Fluids



Multi Spring Balanced Mechanical Seals Capsulated (JE-13X Series)

Shaft diameter : 18 to 100 mm Pressure : upto 25 bar Speed : upto 3000 rpm
 Temperature : -20 to 200 °C Metal parts : SS316, SS304, Hastalloy, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : Elastomer, PTFE, GFT
 Seal Characteristics : Inside Mounting, Single acting, Independent of direction of rotation, Spring is Isolated from Product
 Application : General Chemicals, Slurry Applications, Medium Containing Solid Particles, Acids & Alkalies



Multi Spring Double Mechanical Seals (JE-14X Series)

Shaft diameter : 16 to 150 mm Pressure : upto 10 bar Speed : upto 3000 rpm
 Temperature : -20 to 250 °C Metal parts : SS316, SS304, Hastalloy, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : EPR, FEP, PTFE, Neo-prene, Kalrez
 Seal Characteristics : Inside Mounting, Single acting, Independent of direction of rotation
 Application : Petrochemicals, General Chemicals, Oil Refineries, Heat Temperature Pumps



Single Cartridge Mechanical Seals (JE-15X Series)

Shaft diameter : 25 to 150 mm Pressure : upto 15 bar Speed : upto 3000 rpm
 Temperature : -20 to 250 °C Metal parts : SS316, SS304, 904L, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : PTFE, GFT, FFKM
 Seal Characteristics : Inside Mounting, Single acting, Balanced / Unbalanced, Independent of direction of rotation
 Application : Petrochemicals, Petroleum Refineries, Paper Industries, Sludge and Syrup Pump, Slurry Pump



Double Cartridge Mechanical Seals (JE-16X Series)

Shaft diameter : 25 to 150 mm Pressure : upto 15 bar Speed : upto 3000 rpm
 Temperature : -20 to 250 °C Metal parts : SS316, SS304, 904L, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : PTFE, GFT, FFKM
 Seal Characteristics : Inside Mounting, Single acting, Balanced / Unbalanced,
 Independent of direction of rotation
 Application : Petrochemicals, Petroleum Refineries, Paper Industries, Sludge and
 Syrup Pump, Slurry Pump



Metal Bellow Cartridge Mechanical Seals (JE-17X Series)

Shaft diameter : 25 to 150 mm Pressure : upto 20 bar Speed : upto 3000 rpm
 Temperature : -45 to 400 °C Metal parts : SS316, SS304, Monel, Hastalloys
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : PTFE, GFT, Kalrez
 Seal Characteristics : Inside Mounting, Single acting, Balanced / Unbalanced,
 Independent of direction of rotation
 Application : Sludge Pumps, Pulp & Syrup Pumps, Oil Pipeline Pumps and
 Boiler Feed Water Pumps



Double Acting Agitator Mechanical Seals (JE-18X Series)

Shaft diameter : 25 to 200 mm Pressure : upto 35 bar Speed : upto 1000 rpm
 Temperature : -20 to 240 °C Metal parts : SS316, SS304, Monel, Hastalloys, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : PTFE, Kalrez, EPDM, FEP
 Seal Characteristics : Inside Mounting, Single acting, Balanced / Unbalanced,
 Independent of direction of rotation
 Application : Petrochemicals, Food Industry, Pharmaceutical, General Chemicals



Dry Agitator Mechanical Seals (JE-19X Series)

Shaft diameter : 25 to 150 mm Pressure : upto 15 bar Speed : upto 1000 rpm
 Temperature : -20 to 120 °C Metal parts : SS316, SS304, Monel, Hastalloys, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : PTFE, Kalrez, FEP, Nitrile, FEP, EPR
 Seal Characteristics : Inside Mounting, Single acting, Balanced / Unbalanced,
 Independent of direction of rotation
 Application : General Chemicals, Petrochemicals, Food & Pharmaceutical Industry



High Pressure Mechanical Seals (JE-20X Series)

Shaft diameter : 25 to 150 mm Pressure : upto 15 bar Speed : upto 2500 rpm
 Temperature : -40 to 200 °C Metal parts : SS316, SS304, Alloy-20
 Seal face : Carbon, Tungsten Carbide, Silicon Carbide
 Secondary seals : Viton™, PTFE, GFT
 Seal Characteristics : Inside Mounting, Single acting, Balanced, Independent of direction
 of rotation
 Application : High Pressure Pumps, Refineries, Fertilizers, Nuclear Plants and
 Petroleum Products



Bearing Isolators

Oil seals will lead to wear out of the shaft at rubber contact place resulting in bearing failure due to oil leakage at gearbox and expensive downtime. With Bearing Isolators installation, one can reduce maintenance costs and increase the life of the shaft. The Bearing Isolator is a two part dynamic seal consisting of a stator and a rotor attached to the shaft. The rotor and stator form a non-contacting compound labyrinth seal with no wearing parts – ensuring permanent protection.

Shaft Size : 15 - 250 mm

Materials: Bronze, Stainless Steel, Aluminium Alloy

Agitator drive assembly with mechanical seal



We design and manufacturer wide range of agitator drive assemblies with mechanical seals. These agitators are widely used for high viscous media, gentle mixing and work upto speed of 400 rpm. We supply the agitator drive assembly with mechanical seal for fermentators for capacity ranging from of 2 litres to 1500 litres.

Additional services provided by Jain Engineers

Jain Engineers are having vast clientele in all over India as well as abroad like Singapore, Oman, Kingdom of Saudi Arabia, South Africa etc. We offer additional services like high precision machining, consulting, reconditioning of mechanical seals and rotary union joints, lapping, fitting, after sales services and technical support in mechanical seals. We provide total solution to our esteemed customers with matchless consistency and superior performance.

Lapping Services

Consultancy

Reconditioning of Mechanical Seals

New Product Development

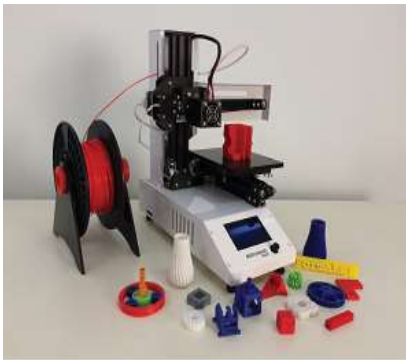
Mechanical Seal Fitting & Training

High Precision Machining Jobs

Reconditioning of Rotary Union Joints



3D Printing Machines



Attrobot Mini

FDM and SLA based 3D-Printers are developed as part of New Product development program for ATTIS Systems, Hong Kong.

FDM Printer :
Bed size 130 x 150 x 100 mm ; 100 microns Accuracy

SLA Printer :
Bed size 120 x 120 x 150 mm ; 50 microns Accuracy



SLA ATDS 120



National Award Winner as Best Entrepreneur



MSME Super Tycoon Award 2017 by ASSOCHAM



Award for Manufacturing Excellence by Govt. of Karnataka



Rotary BSE-SME National Award for Excellence in "Import Substitution" in AdAstra—2016.



Dilip Damle Memorial Trust award for Excellence in Industrial Product Development & Manufacturing



Award for outstanding performance in Innovation and Creativity in Karnataka from KASSIA.



Jain Engineers at International Exhibitions



Delegate for India UK SME's Conference and Buyer Seller Meet in Leicestershire, United Kingdom

Testimonials

In our plant, Inboard mechanical seal have huge leakage & failure was high due to slurry, solids with wastage & solids. Jain Engineers developed and supplied a unique outside mounted mechanical seal. The mechanical seal supplied has more service life, less maintenance and cost effective. We expect more expert engineering solutions in future from them.

Executive Vice President , Siddapur Distilleries Ltd.

Jain Engineers is associated with our power plant since 2001 for the development of mechanical seals, rubber o-rings and gaskets. The mechanical seals supplied by them are direct substitution to Burgman & John Crane Seals. Developed o-rings and gaskets have been successfully used in Wastfalia separators and the Engine fuel injection system.

Plant Manager, Tata Power

For more than two decades Jain Engineers is supplying all types of mechanical seals to our sugar and distillery plants. We are extremely happy & satisfied with their competitive price & after sales and service. We also appreciate the innovative solutions provided by them for our practical problems.

Purchase Manager, Shree Renuka Sugars Ltd.

Jain Engineers is supplying agitator drive assembly with mechanical seals for our fermentator from capacity of 2 litres to 1500 litres. We highly appreciate their technical knowledge & manufacturing facility. We are satisfied with their after sales and service at our different installed plants.

CMD, Dyna Biotech

Jain Engineers have supplied Labrynth Seals for Vertical Pans Mechanical Circulator in place of existing double cartridge type of mechanical seals. The fitted seals have given very good results in operation without any leakage. We have saved all around rupees five lakhs by adopted their innovative solution.

General Manager Technical, Godavari Biorefineries Ltd.

Jain Engineers is supplying mechanical seals for our beverages plant for more than two decades. The Engineering Solution provided by them is highly appreciated in Industry. Also their prices are highly competitive and after sales and service is satisfactory.

Purchase Manager, Coco Cola

Our Esteemed Customers





JE

Jain Engineers

Innovative Engineering Solutions



Delivering World Class Engineering Solutions Since 1995

Sales Network

Mumbai
Pune
Ahmedabad

New Delhi
Hyderabad
Cochin

Bangalore
Chennai
Goa

Mangalore
Vijayawada
Hong Kong

Oman
Dubai
Singapore

Unit - I

Jain Engineers

Plot No. 1224, 12th Main Road,
KIADB Auto Nagar, Kanbaragi Industrial Area,
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Unit - II

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