



SUPPLY AND REPAIR OF MECHANICAL SEALS & SYSTEMS

Product Origin: Germany

Mun Siong Engineering Limited is the sole distributor for STB Mechanical seals in South East Asia(SEA). STB designs and manufactures mechanical seals and special seals for gas and steam turbines, compressors (especially rotating piston, screw and centrifugal compressors), pumps, mixers and agitators and many other applications where fluids, gases or steam need to be sealed.

INDUSTRIES



Oil & Gas



Chemical



Water &
Waste Water



Power
Generation



Pharmaceutical



Pulp & Paper



Metal



Automotive



Food & Beverage

SERVICES & REFURBISHMENT

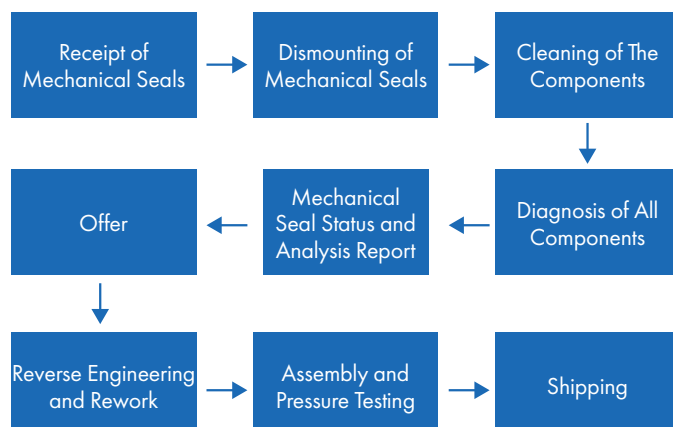
Our qualified engineers and service technicians work closely with the engineers at STB to apply their skills towards continuing the German tradition of high quality and reliability.

We are certified to supply, repair and retrofit mechanical seals and systems as well as provide full diagnostics, damage reports, and quality checks for all your mechanical seals from all manufacturers.

TYPE OF SEALS TO BE REPAIRED

- Component Seals
- Steam Head Gasket
- ATEX Seals
- Cartridge Seals
- Carbon Floating Seals
- Dry Gas Seals
- Agitator Seals
- Enamelled GLRD
- Customised Seals

PROCESS CYCLE OF MECHANICAL SEAL REPAIR



BENEFITS

- Short Lead Time
- High Quality
- Designed to Replace Existing OEM Seals
- Cost Effective Solution
- API & FDA Compliant
- Customisable to Any Shape, Size Shape & Standard
- Long Product Lifespan
- Reports provided with detailed damage pattern
- Recommendations for future damage prevention

LEAD TIME

Design & Drawing preparation	1- 2 Weeks
Fabrication and manufacturing	<8 weeks
Cartridge repair	1-2 Weeks
Spare parts delivery	3-4 Days

PRODUCTS

Mechanical Seals

Cartridge Seals



Single Acting

Single Cartridge Seals

They are designed with shaft sleeves to prevent damages on the shaft. Most types are designed with integrated flushes, which is advantage for high viscosity products or products with a high amount of solid particles.



Double Acting

Double cartridge seal

Double cartridge seals are designed as bi-directional mechanical seals. All cartridge seals are equipped with shaft sleeves to reduce damages on the shaft. We offer seals in dynamical and stationary design to suit your application perfectly. We offer face to face, back to back, tandem seals, depending on the application request. The double mechanical seals are delivered as cartridge unit for easy installation.

Siron Seals

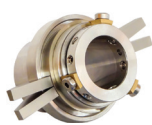
Siron is a cartridge mechanical seal design that is available in single and double acting arrangements. The cartridge design guarantees an easy installation to rotating equipment by eliminating many installation mistakes. Seal faces are available in standard materials. Depending on application seal faces are chosen to maximize operating time. Coming from packing, a conversion is possible as well as a conversion coming from component mechanical seals. The installation is simple and quick!



ecoSiron



proSiron



ecoSiron Flex

Agitator Seals

STB offers mixer and agitator seals as single cartridge seals and as double mechanical seals. Each type is equipped with a number of barrier fluid, flush and grease connections. To increase the life and runtime of the seals, STB offers wide range of seal support systems.



REMEX®
Mechanical
Mixer Seal



phREMEX
Antibacterial
Seal Face

Component Mechanical Seals

They are commonly used as a better alternative to dynamical packing systems. The design of a single component mechanical seal can include the following components: stationary seal face, dynamical seal face, springs, O-rings and steel parts. The construction in length, pressure resistance, and diameter can vary. STB manufactures and offers many different types of component mechanical seals.



Stationaries



Elastomer Bellow
Seals



Multiple Spring
Seals



Special Mechanical
Seals



Sinus Spring Seals



Single Spring Seals



Conical Spring Seals



Metal Bellow Seals

OEM-Replacement seal

STB offers product-specific OEM replacement seals. Our product range includes mechanical seals for turbines, blowers, pumps and compressors. We pay attention to the highest quality, from design to delivery. Automated manufacturing processes provide high availability and fast response time.

Replacement for the following OEM systems:

- Blackmer pumps
- Plunger pumps
- Screw spindle pumps
- Sulzer agitators
- Slurry Pumps

Carbon Seals

STB manufactures carbon rings based on samples, drafts or by STB design to find the right material for your application.

Take advantage of the high mechanical and chemical resistance of the material.



Armoured
Carbon Rings



Carbon Rings



Shut Down
Seals



Segment
Sealing Rings



Steam Header Seals



Valve Seals/ Valve
Packings/ Gland Packing

Mechanical Packing

STB offers various mechanical packings such as:

- Tartarus Seal Kit - Used in Plunger Pumps
- Static Packing - Used in Valves
- Dynamic Packing - Used in Pumps, Refiners & Mixers
- Graphite Seal Packing - Graphite Seals, Packing System
- Injection Packing

Mechanical Seal Support System

With the massive global expansion of double mechanical seals in the petrochemical, pharmaceutical and process industry, support systems are a necessary solution. Mechanical Seal Support Systems (MSSS) are able to extend the lifetime of a double acting mechanical seal and increase the equipment's safety massively.



TS-9
Thermosiphonsystem



TS-12
Thermosiphonsystem



BEH-830



STB-Cooler



NSE-53



NSE-54