

Mechanical Seal Refurbishment

SiL delivers a cost-effective, as-new, refurbishment service for virtually any mechanical seal, whether our own or our competitors' products.

Our as-new refurbishment process restores customers' seals to their original functionality, saving the cost of replacement hardware.

Available at our service centres and supported by our highly skilled technical specialists, our refurbishment service offers a cost-effective and environmentally sound alternative to purchasing new seals.

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 Head Office
 Counter Sales
 Gasket Production

 Machine Shop
 Mechanical Seal Servicing
 Pump Repair Workshop

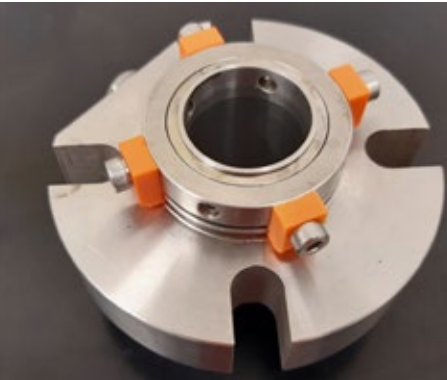


MECHANICAL SEAL REFURBISHMENT

REFURBISHMENT OF A SINGLE CARTRIDGE SEAL



Our 9 Step Process



1. RECEIVE MECHANICAL SEAL FROM CUSTOMER

Seal checked first for any contaminant media and if present disinfected prior to disassembly.



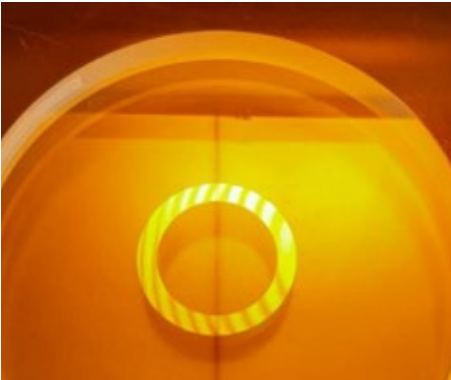
2. DISASSEMBLY & INSPECTION OF ALL COMPONENTS

All parts are visually inspected and measured for wear and tear/damage.



5. LAPPING & POLISHING

Rotary and stationary faces are lapped and polished to industry standards.



6. OPTICAL FLAT & MONOCHROMATIC LIGHT

All lapped faces are checked using an optical flat with a monochromatic light source for surface finish and flatness.



7. SEAL ASSEMBLY

Springs are inspected and if they show any signs of wear/damage are replaced. New setting clips are installed.



8. PRESSURE TESTING THE SEAL

Cartridge seal pressure tested to API 682 (25psi with a maximum pressure drop 2psi over 5 mins) to check integrity of sealing components over 5 mins).

Mechanical Seal Service Sheet

Technician	_____	Date	_____
Customer	_____	Seal Type	_____
Customer Ref	_____	Seal #	_____
Stock Code #	_____	Seal #	_____
Clearing	_____	Seal #	_____
Pressure Test	_____	Seal #	_____
Face	_____	Seal #	_____
Electronics	_____	Seal #	_____
Face	_____	Seal #	_____
Electronics	_____	Seal #	_____
Identification	_____	Seal #	_____
Waste	_____	Seal #	_____
Driver Coffer	_____	Seal #	_____
Springs	_____	Seal #	_____

3. JOB CARD & CONDITION REPORT

Information recorded and quoted to customer.



4. ULTRASONIC CLEANING OF COMPONENTS

Ultrasonic cleaning is a very efficient form of cleaning where dirt particles are completely and rapidly removed from a variety of mechanical seal components.



LIGHT BANDS SHOWING FLATNESS ACCURACY

A flat surface will show light band patterns. Straight parallel bands show a perfectly flat surface. Flat to within 1 millionth of an inch.



9. SEAL DESPATCH

After pressure testing the seal is then given a final clean and then dispatched back to the customer with a pressure test certificate.

Pressure Test Certificate

Date: _____ Job No: _____

Test Pressure: ☐ Air: kpa..... ☐ Water: kpa.....

Test hold and time: _____

Technician Sign: _____ Date: _____

Witness Sign: _____ Date: _____