



**ENGINEERING | PROCUREMENT | CONSTRUCTION  
FABRICATION | MATERIAL INDUSTRIAL SUPPLY**

PT. Inersia Berkah Semesta In collaboration with Manufacture Local presents Mechanical Seal products whose quality is not inferior to well-known brands. Apart from that, we also accept Repair Services for Mechanical Seals, Lapping Valves, Metal Spray, Rebabit, and others.

Mechanical Seals for mechanical blocking of liquids/gases in rotating equipment.

Mechanical seals consist of two parts, one part is mounted on a stationary part and the other is attached to a moving part (rotary).

The mechanical seal is designed to be detachable, easy to replace and maintain. The nature of the mechanical seal is that it always rubs against it so that it is quickly damaged/worn out due to abrasions.

Problems will arise if the Mechanical seal is worn out then there will be a leak.

The use of Mechanical Seals is not only limited to pumps, but to other machines that use rotating shafts such as chillers, mixers, agitators, and all rotating equipment (rotating machines).



### OUR PRODUCT MECHANICAL SEAL



Single-Acting Mechanical Seals



Single Cartrid



Double Cartrid

This type of mechanical seal has to be operated either under dry conditions or must be lubricated and cooled by the liquid product.



Cartridge Seal Slurry Pump

Features :

Can handle axial compensation of about 1 mm design for standardization purposes Easily handle media containing abrasive particles and solids media

Spring completely isolated from the product, Special elastomeric design to protect clogging

Applications :

Paper & pulp industries, Petrochemical industries, Pharmaceutical industries Dyeing industries

Material :

Seal Faces : TC/TC, Sic/Sic, Sic/Ceramic

Secondary Seals : Viton/PTFE/GFT/Karlez Metal

Components : SS-316/Hast-C/Monel Operating

Limits :

Shaft Dia. : 25 to 150mm Pressure : up to 45 Bars

Temp. : -50 to 160°C Speed : up to 25 m/s

### CARTRIDGE SEAL SLURRY PUMP



Cartridge Seal Slurry Pump



Single Spring



Multi Spring



METAL BELLOW



TEFLON BELLOW

## EXAMPLE APPLICATION



Mechanical Seal in Pump Crude Oil

## REPAIR MECHANICAL SEAL



## VALVE SERVICE OR REPAIR



## SHAFT REPAIR & REBABIT METAL BEARING



## WORKSHOP FACILITIES FOR MECHANICAL SEALS AND VALVES REPAIR





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