

PRIME *INNOVATIVE* *SEALING PRODUCT*

QUALITY PRODUCT

O-Ring & Oil Seal • Mechanical Seal • Pump Repair





INTRODUCTION

ABOUT US

MSEAL SDN BHD is established in year 2008. Now, we are one of the leading mechanical seal suppliers in Malaysia. We are well-known in solving critical problems of mechanical seal and provide best quality seals at reasonable price with fast delivery.

We provide mechanical seals as per international standards such as API 610, DIN 24960 and ISO 3069. Besides that, we also designed fabricating mechanical seals. **Quality and performance at low cost is our utmost priority.**

At MSEAL SDN BHD, we can do equivalent replacement to those replacement to those reputed well-known international brands like EAGLE, BURGMANN, FLOWSERVE, ROTEN, ANGA, LATTY, JOHN CRANE, SEALOL, VULCAN, DURAMETALIC, FLEXIBOX, CHESTERTON, PAC SEAL, PRIME, UNITEN, ROBCO, PILLAR, AES, and other brand. We do stock all kind of individual seals, specific pumps and application. On the other hand, we supply variety brands of pumps such as:

- * ABS, ALFA LABEL, ALLWEILER, ALLEN & GWYNNE, ANORITZ, ASIMAG, ANEMA ZA PUMP, ALP, APV PUMA
- * BELLS, BLACKMER, B.G.REICH, BELL & GOSSETT, BITZER, BOCK,
- * COPELAND
- * DAVEY, DELTA, DP, DAB
- * EBARA, EBS RAY, EMU, ESPA, EUROFLO, E-RO
- * FLYGT, FRISTAM
- * GRUNDFOS, GOULDS, GORMAN RUPP, GRASSO, GODWIN
- * HIDROSTAL, HCP, HILGE, HOWA, HOWDEN, HERCULES, HAIGH MACEDATOR
- * IMO, INOXPA, PROLAC, ITT, IWAKI, IBEX MOG
- * JEBSEN & JEBSEN, JOHNSON, J & E HALL, JABSCO HY-LINE
- * KEW, KILORSKA, KSB, KELLY LEWIS
- * LOWARA
- * MAGGIO, MTP
- * NETZSCH
- * ORBIT, ONGA, OPAL
- * PACO, PENTAX, PUMPEX, PEDROLO
- * REGALINE, ROBUSHI, ROPER, RUSTAM, ROTO, ROSISTA, REGENT
- * SAER, SAND PIPER, SARLIN, SHINMAYWA, SIHI, STERLING, SOUTHERN CROSS, SP, SPECK PUMPEN, STAR-RITE, SAM.MCCOY, SABROE, SAMSON, STAL, SLR
- * TORISHIMA, TSURUMI, TSUNAMI, TUTHILL, TUCHENHAGEN, TRI-CLOVER
- * UNIFLO, UPOMPE, URREX
- * VARISCO, VERDER AIR, VIKING
- * WALRUS, WARNER, WILDEN, WAUKESHA UNIVERSAL PUMPS, WESTFALIA SEPARATOR

WELDED ENDS METAL BELLOW SEAL



TYPE EM41M : is Inherently balanced metal bellow seal. This seals are independent of direction of rotation. The unique feature of this type of seal is that, there is no dynamic 'O' rings and therefore it will never hangup or damage the shaft and sleeve.

Applications :

Generally used in for handling highly corrosive chemicals, high Temperature applications, etc.

Materials

Seal Faces : Carbon/TC/ Vs Sic./Tc
 Secondary Seals : Viton/PTFE/
 GFT/Graphite
 Metal Components : SS-316

Bellow Material :

Hast-alloy-C
 AM305
 Alloy C 276
 Alloy 20
 Inconel 625

Operating Limits :

Shaft Dia. : 19 to 100mm
 Pressure : up to 15 Bars
 Temp. : -50 to 350°C
 Speed : up to 25 m/s

E96S Cartridge seals are self-contained units consisting of a shaft sleeve, seal, and gland plate. The unit is fitted onto the pump shaft as a built assembly, and no further fitting is required. Cartridge seals are an attempt to over-come the fitting problems of conventional seals. They are supplied in single and double form, and the gland plate is often fitted with various tappings to provide for flushing, cooling water injection, and disaster control.

Materials

Seal Faces : Ceramic / Sic/Carbon Vs Ceramic / RB Sic./TC
 Secondary Seals : Viton/PTFE/GFT
 Metal Components : SS-316

Operating Limits :

Shaft Dia. : 25 to 150mm
 Pressure : up to 15 Bars
 Temp. : -50 to 180°C
 Speed : up to 25 m/s

CARTRIDGE SEAL



PUMP REPAIR



Specializing in chemical and industrial pump repair services, we are strong at centrifugal and positive displacement pumps. We can repair ANSI/API pumps, vertical turbine pumps, chemical injection pumps, split case pumps, self-priming pumps, submersible pumps, progressive cavity pumps and gear pumps.

Packings made from PTFE (polytetrafluoroethylene) are a mainstay of the mechanical compression packing industry. PTFE is well known for its outstanding resistance to chemical attack, low coefficient of friction and wide temperature tolerance including cryogenic service. This wide flexibility makes PTFE packings a popular choice for those difficult applications where strong solvents, corrosive chemicals and oxidising media require to be sealed. Klinger have harnessed these properties in our range of PTFE based gland packings to give an enormously wide sealing capability in both valve and pumping applications.

- * Joint PTFE Sealand
- * Pan Fibers With PTFE
- * Graphite Filled PTFE (GFO)
- * Asbesles Graphite
- * ASBESLOS PTFE
- * Pure PTFE
- * Expanden Graphite
- * Joint Sealant

GLAND PACKING



ORINGS & OIL SEAL



The Seal Specialist. As a market leader of quality sealing solution, we provide: The widest range of oil seals, o-rings, and seals. World's famous & reliable brands of seals with reasonable price. Different types and sizes of seals t changing needs. Various materials of seals to improve the efficiency of mechanical working systems. Great services, timely delivery of products and advices to satisfy our customer's needs.

- * Viton
- * Encapsulation
- * Hydeailic Seals
- * Nitrile Buna Rubber CNBR
- * Chemraz & Kalrez

CONICAL SPRING UNBALANCED SEAL



The E5C series seal are extremely rugged & reliable & therefore used in wide range of sealing applications. These Seals have very few parts & hence can be easily assembled or dismantled.

Applications :

Generally used for handling corrosive chemicals, hydrocarbons, general & light chemicals

Materials

Seal Faces : Sic/carbon/TC Vs Ceramic/Sic./TC

Secondary Seals : Viton/PTFE/GFT

Metal Components : SS-316

Operating Limits :

Shaft Dia.

Pressure : 10 to 100mm

Temp. : up to 10 Bars

Speed : -50 to 180°C

: up to 25 m/s

TYPE E6S : are single coil unbalanced seals, these seals are simple in design & reliable & rugged enough for the most difficult applications. In EV6S 'V' packing used as Secondary seals respectively. Special notches enhance the required driving torque & hence the seal is Independent of direction of rotation.

Applications :

Generally used in refineries, fertilizers, nuclear plants & petroleum pipelines.

Materials

Seal Faces : Carbon/TC/Sic. Vs Ceramic/RB Sic./Tc

Secondary Seals : Viton/PTFE/GFT

Metal Components : SS-316

Operating Limits :

Shaft Dia. : 25 to 150mm

Pressure : up to 10 Bars

Temp. : -50 to 280°C

Speed : up to 15 m/s

SINGLE COIL SPRING UNBALANCED SEAL



MULTI SPRING UNBALANCED SEAL



TYPE E8M : are general-purpose multi spring unbalanced seals. Designated as E8MB for the unbalanced Versions with 'O' Ring & PTFE wedge respectively. Shaft fretting is minimized due to lower spring loads provided through wedge or 'O' Rings, occupies less stuffing box area due to its narrow cross-section & compact design.

Applications :

Generally used in Petrochemicals, Light Hydrocarbons & General Industrial Fluids.

Materials

Seal Faces : Carbon vs Ceramic/Sic./TC

Secondary Seals : Viton/PTFE/GFT

Metal Components : SS-316

Operating Limits :

Shaft Dia. : 14 to 150mm

Pressure : up to 10 Bars

Temp. : -50 to 280°C

Speed : up to 25 m/s

TYPE ER7 : are pushers type balanced multi spring seals generally used where high-pressure sealing is required. Due to its compact radial & axial dimensions these seals required lower stuffing box space for installation. These seals can be provided with single, double or tandem arrangement with external seal support systems & devices.

Applications :

Generally used in Petrochemicals, Petroleum refinery, Light Hydrocarbons & General Industrial fluids.

Materials

Seal Faces : Carbon vs Ceramic/Sic./TC

Secondary Seals : Viton/PTFE/GFT

Metal Components : SS-316

Operating Limits :

Shaft Dia. : 14 to 150mm

Pressure : up to 30 Bars

Temp. : -50 to 280°C

Speed : up to 25 m/s

MULTI SPRING BALANCED SEAL



TEFLON BELLOW SEAL



TYPE ET9 : are Teflon Bellow seals designed to handle highly corrosive liquids. These seals are outside mounted with simple installation procedure and hence cost effective for corrosive media sealing. Type ET9F & ET9F2 designated as Fixed & replaceable bellow face respectively.

Applications :

Used in acids, alkalis & extremely corrosive services.

Materials

Seal Faces : GFT/Sic./Carbon vs Ceramic/Sic.

Secondary Seals : PTFE

Metal Components : SS-316/Hast-C

Operating Limits :

Shaft Dia. : 18 to 100mm

Pressure : up to 5 Bars

Temp. : -20 to 80°C

Speed : up to 25 m/s

GENERAL PURPOSE RUBBER BELLOW SEAL



Most commonly used rubber bellow seal, Due to its compact design it can be easily mounted. This has a unique rubber bellow secondary seal, which provides a high degree of axial flexibility to compensate for lack of concentricity of the shaft & misalignment & wear due to thrust movement of the shaft.

Applications :

Generally used in sewage applications, waste water pumps & fuel injection pumps.

Materials

Seal Faces : Carbon Vs Ceramic / Sic./TC

Secondary Seals : Nitrile / Neoprene / Viton

Metal Components : SS-304

Operating Limits :

Shaft Dia. : 10 to 100mm

Pressure : up to 10 Bars

Temp. : -20 to 150°C

Speed : up to 25 m/s

This has been designed for general sealing purpose which includes easy installation of the seal. This has a unique rubber bellow secondary seal, which provides a high degree of axial flexibility to compensate for lack of concentricity of the shaft & misalignment & wear due to thrust movement of the shaft.

Applications :

Generally used in hot & cold-water pumps, Oil pumps, refrigeration compressor & fuel injection pumps.

Materials

Seal Faces : Carbon Vs Ceramic/Sic./TC

Secondary Seals : Nitrile / Neoprene/Viton

Metal Components : SS-304

Operating Limits :

Shaft Dia. : 10 to 100mm

Pressure : up to 10 Bars

Temp. : -20 to 180°C

Speed : up to 25 m/s

SINGLE COIL SPRING ELASTOMER BELLOW SEAL



ROTARY JOINTS



The Series ET3R rotary joint can be used in a wide variety of settings, from low speed to high speed and from low pressure to high pressure. Using a special seal, this rotary joint is manufactured to be suitable for use in a wide range of industries.

Features :

The housing made with G.M. / Brass, the rest of metallic components are made with S.S.

Materials

Seal Faces : Tungsten Carbide,
Silicon Carbide, Carbon

Secondary Seals : Viton, Nitrile, PTFE,
Silicon, Kalrez

Pressure (Max) :

Size : 1/2" - 3/4" - 1440 RPM

Size : 1" - 2" - 1000 RPM

Temperature (max) :

Water : 950C

Thermic Fluid : 2500C

Steam : 1500C

Type EDF21 Seal has been designed for most general application in textile Industries for used to yarn , fibre dyeing plants, cloth dyeing application plants, & high speed jet dyeing plants. Specially designed LTS-01DF type seal used for diaphragm elastomer to normal pressure machine like a mercerizing machine & Pretreatment machine.

Materials

Seal Faces : Carbon / TC / SiC

Secondary Seals : PDM / Nitrile / Neoprene / Silicon / FKM

Metal Components : SS 304 / SS 316

Operating Limits :

Pressure : Upto 15kg/cm²

Temp. : -200 to 160° C

Speed : 3000 RPM

Rubber Diaphragm Seal



CR PUMP SEAL



CR pumps seals are very easy to replace and gives maximum reliability. It is durable and made from hardwearing material which prevent the downtime and prolong the lifetime of the seal. All axial movement has been eliminated, preventing wear of the shaft and the rubber parts. There is no special tool required to replace the seal or dismantling the pump.

Features :

It gives long and reliable seal life. Easy to install without any tool.

Materials

Seal Faces : Carbon / SiC

Secondary Seals : PTFE / EPDM / Nitrile / Neoprene /
Silicon / FKM

Metal Components : SS 304 / SS 316

Operating Limits :

Pressure : Upto 20 kg/cm²

Temp. : -200 to 180°C

Speed : -3000 RPM

FBGT FIBERGLASS TAPE



Glass Fiber Tape

Temperature : -50 to 600°C

Fire proof and inorganic resistant to continuous heat to 600°C, not affected by oils, solvents and most chemicals. Easily compressed and resistant to abrasion. Use as heat insulating material, a good substitute for asbestos.

PTFE JOINT SEALANT PTFE SELF ADHESIVE TAPE

- 100% Virgin, expanded PTFE, Soft, Flexible
- Chemical resistance tagainst all chemicals from pH 0-14 exceptmolten alkali elemental fluorine at high temperature and pressure
- Does not age-weather proof-UV resistant
- Efficient sealant for rough or damaged sealing surface
- Reduced downtime - eassy to install
- Universal application in nearly all kinds of industry
- Temperature range - 240 degree Celsius up tp +270 degree Celsius. For short periods up to +310 degree Celsius
- Physiologically harmless under temperatures up to +260 degree Celsius, filfills FDA requirements for use in contact with food



GLASS FIBER BRAIDED ROPE



Glass Fiber Braided Rope (round/square)

Temperature : -50 to 600°C

Fire proof and inorganic resistant to continuous heat to 600°C, not affected by oils, solvents and most chemicals. Easily compressed and resistant to abrasion. Use as heat insulating material, for boiler doors, ect.

Lapping/Recondition Service



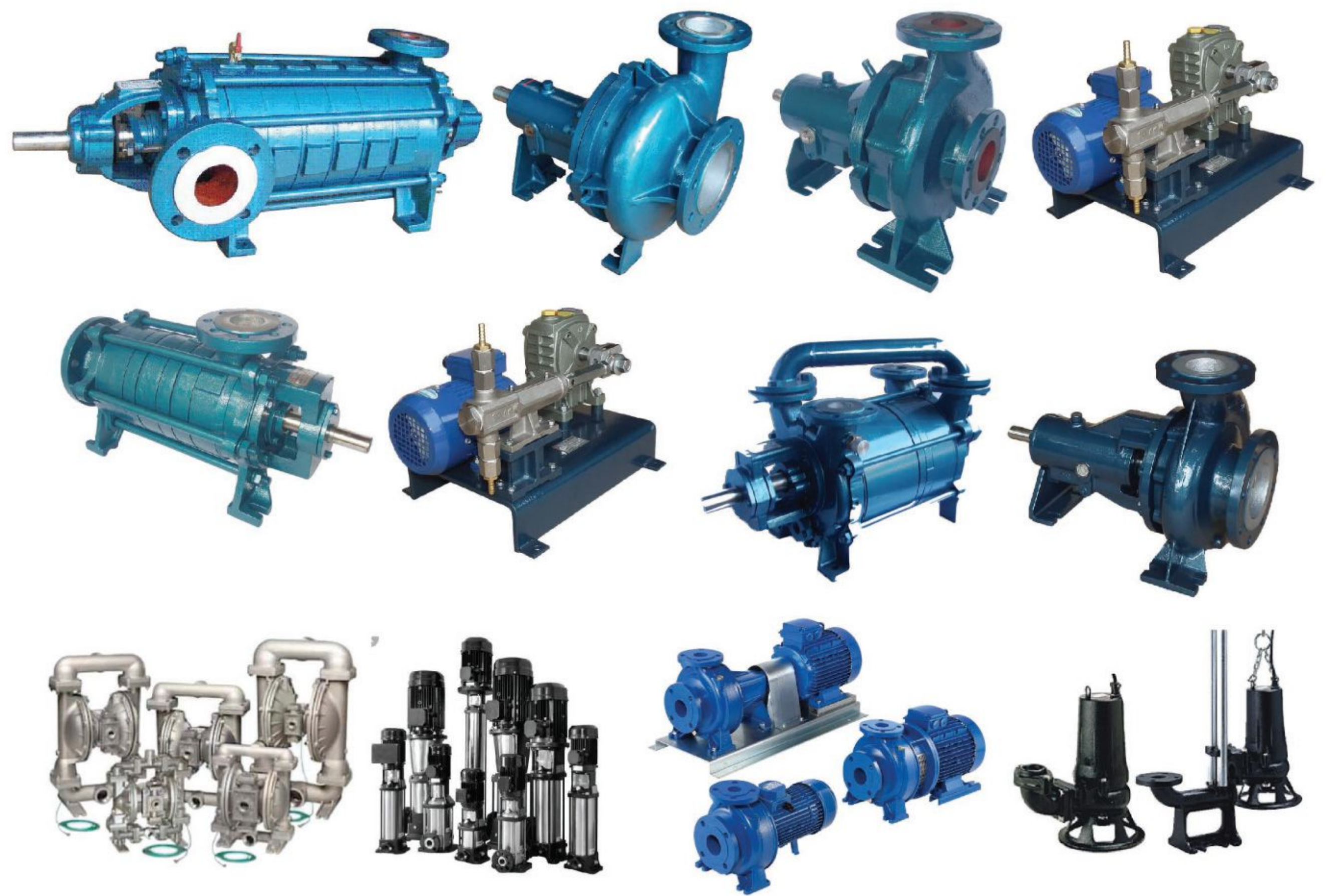
Before



After



Lapping Machine



We able to supply wide range of pump. Centrifugal, end suction, self priming, vertical multistage, oil skimmer , submersible ,chemical metering, diaphragm, vacuum, oil transfer , horizontal multistage and etc for industries need. Wide range of selection brand.



We do provide rubber moulded customization. Material : NBR,Viton , Silicone, EPDM and etc

Lathe and milling for steel customization and fabrication





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