

**Jayawant Shikshan Prasarak Mandal's
Jayawantrao Sawant College of Engineering, Pune – 28**



Industrial Visit Report

A.Y 2022-23

Semester I

Class: TE Mechanical

**Subject: Machine Science
Technology (MST)**

- ❖ **Company Name:** Eagle Burgmann, Pvt Ltd
- ❖ **Address Establishment and Other Details of Company:**

Eagle Burgmann, a joint venture of the **German Freudenberg Group and the Japanese Eagle Industry Group**, is one of the internationally leading companies for industrial sealing technology. **Established in 1884.** The products are used everywhere where safety and reliability are important: in the oil and gas industry, refining technology, the petrochemical, chemical and pharmaceutical industries, food processing, power, mining, pulp & paper, water and many more. Every day, more than 6,000 employees in more than 60 subsidiaries contribute their ideas, solutions and commitment towards ensuring that customers all over the world can rely on our seals. Our modular Total Seal Care service underlines our strong customer orientation and offers tailor-made services for every application.

- ❖ **Day & Date of Visit: 11/11/2022 (Friday)**

- **Vision**

To be the world's most respected and customer-orientated sealing solution provider.

- **Mission**

To be the most successful sealing solution provider in the world at delivering highest quality sealing products and the best local service for our customers in the markets we serve. As entrepreneurial partners and technology leaders who leverage knowledge globally and act locally, we contribute to the protection of the environment and solve the problems fast, effectively and efficiently wherever they are.

❖ **What Company Manufactures:**

Company manufactures mechanical seals and seal supply systems, magnetic couplings, carbon floating ring seals, expansion joints and gaskets, packings, special products and extensive services.

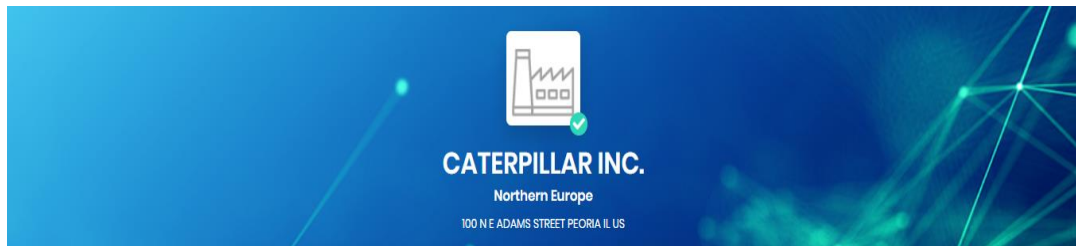
- **Mechanical Seals**
 - Mechanical Seals for pump
 - Agitator Seals
 - Compressor Seals
 - Marine Seals
- **Seal Supply system**
 - Quench Fluid System
 - Thermosiphon System
 - Closed loop system
 - Pressure booster System
- **Carbon Floating Ring Seals**
 - Shaft Seals
 - Shaft Selves
- **Packing and gaskets**
 - Packing for pumps
 - Packing for valves
 - Gas fibre seals and tapes
 - Injectable Packings
- **Magetnic couplings**
 - Bearing
 - Couplings
- **Expansion Joints**
 - Fabric Expansions joints
 - Metal Expansion Joints
 - Rubber Expansion Joints
- **Serial Products**
 - Rotary kiln Sealing System

❖ Who are customers and suppliers?

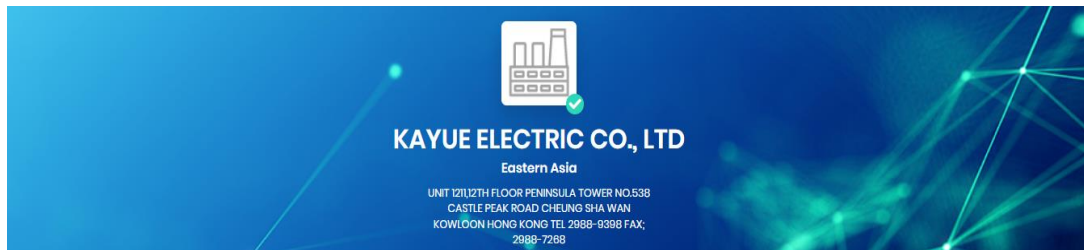
1. India
2. Mexico
3. Ecuador
4. Eagle Burgman Germany GMBH and CO.Kg



5. Caterpillar Inc.



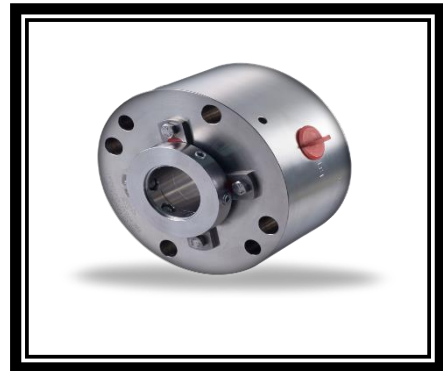
6. Kayue Electronics



❖ Product information and and Photographs

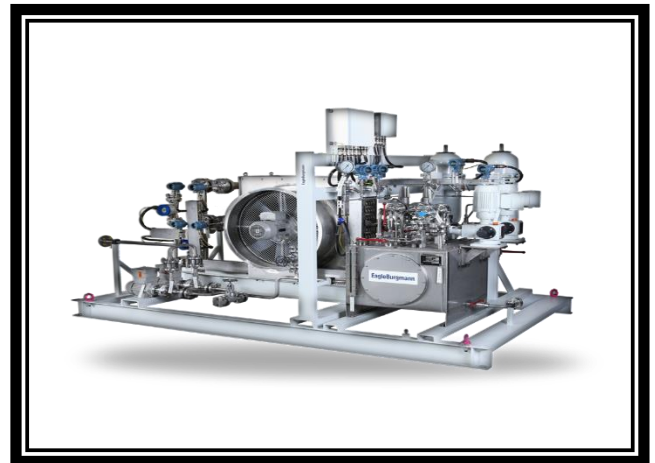
1. Mechanical Seals

Mechanical seal is simply a method of containing fluid within a vessel (typically pumps, mixers, etc.) where a rotating shaft passes through a stationary housing or occasionally, where the housing rotates around the shaft



2. Seal supply system

The safe operation of the mechanical seal depends on the monitoring and control of the seal pressure system. Automatic supply systems thus guarantee the safe and reliable operation of the seal. A seal is considered technically tight when the pressure in the seal chamber is always higher than the vessel pressure. Therefore, the supply of seal liquid is of primary importance when it comes to safety.



3. Carbon Floating Ring Steels

Applications up to 800°C are sealed with carbon floating seals. Throughout the radially divided design (Chamber Seal) they are one of the most maintenance friendly seal in the industry and are able to be serviced even when installed. The seal allows a short axially design.



4. Packing and Gasket

Material used to fill in the space around something, especially to make a piston etc. watertight or airtight. Gasket A gasket is a mechanical seal which fills the space between two or more mating surfaces, generally to prevent leakage from or into the joined objects while under compression.



5. Magnetic couplings

A magnetic coupling is a coupling that transfers torque from one shaft to another, but using a magnetic field rather than a physical mechanical connection.



6. Expansion Joints

An expansion joint is a mid-structure separation designed to relieve stress on building materials caused by building movement.



Website:

[EagleBurgmann - Sealing Solutions - EN](http://EagleBurgmann.com)

❖ Photographs:



