

# CLINKER GRINDING UNIT

## Clinker Grinding Unit



Bearing Journal



## Our Other Business Divisions



AVIATION



ENERGY



MARINE



MINERAL PROCESSNG



STEEL

## FRIGATE TEKNOLOGIES PRIVATE LIMITED

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## CLINKER GRINDING PLANT

Clinker Grinding units are now a days very popular when it comes to catering the marketing needs of a particular area. A full-fledged Cement plant cannot be installed at just about any location as it requires a large initial capital investment & local limestone availability for manufacturing of cement. In that situation Cement Clinker Grinding Plants is the only option available to cater to the needs of the local market. FRIGATE TEKNOLOGIES offers clinker grinding plants from 300 TPD to 2000 TPD on turnkey basis.

## BALL MILLS

FRIGATE has the in house capability to design, manufacture & Install Ball mills for Cement, Chemical & Mineral Processing industry. We can supply Ball Mills up to a Capacity of 3000 TPD production.

We manufacture Mild Steel fabricated Ball Mill shell from prime quality of steel with utmost precision.

We also manufacture End cone Trunnion castings, Girth gear, Torsion shaft, Pinion, Bearing housing etc.

### Types of Ball Mill Circuits:

Open circuit mills - Continuous gravity discharge type.

Close circuit mills - with static classifiers / dynamic classifiers

### Application

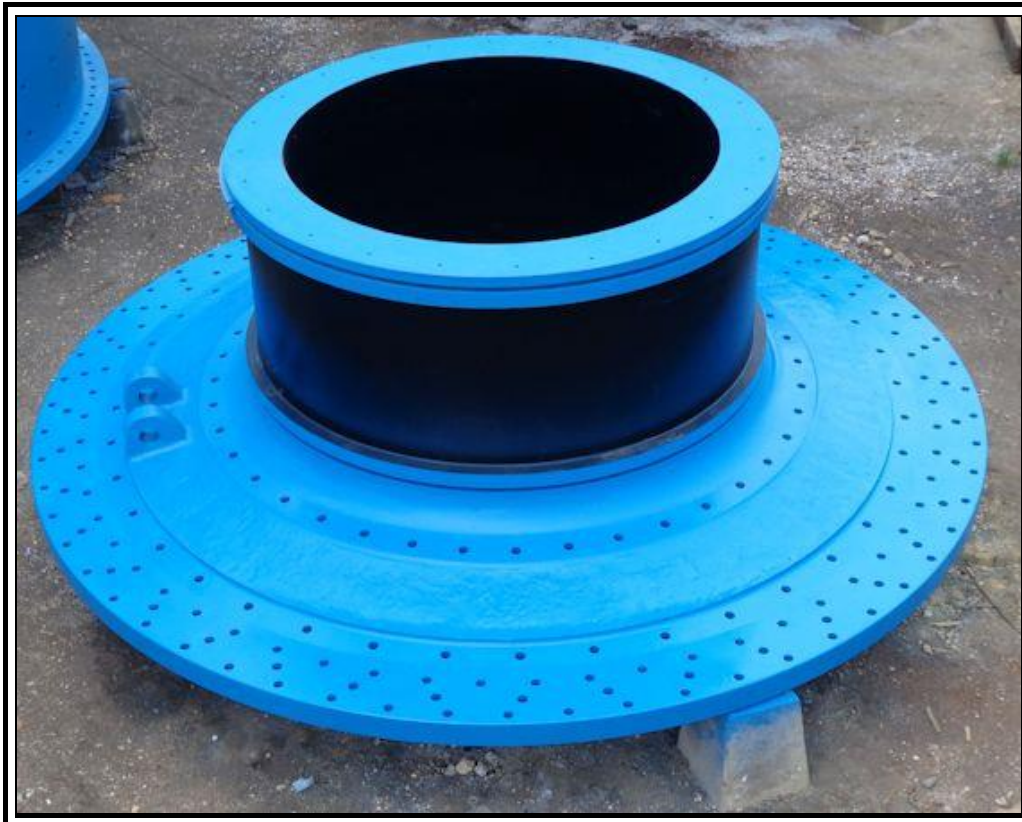
Predominantly we supply our Ball Mills to Cement, Chemical & Mineral Processing industry.



## MILL HEADS

The mill headers are very useful in increasing the material temperature and that too in a perfectly continuous fashion particularly in heavy duty industry. The overall size of the kiln depends on the condition at which the process is going on. Depending on the specifications of the process, the length and diameter is calculated.

The optimum capacity that will be compatible to ball mills is up to 5.0m diameter in shell. The size will be up to the flange diameter of 6.0 m and height is about 3.0 m. The max weight of single piece will be up to 50MT. These specifications will go well with the rod mills and ball mills.



## CEMENT MILL BEARINGS

Trunnion Bearings is an important part loading mill cylinder rotary. These casting surfaces such as the neck contacted with the mill spherical tile and the circular arc neck contacted with cylinder are free of blowhole and sand inclusion in the cast process; the position parts contacted with spherical tile need to grinding after machining in machining process. So that can ensure the tolerance and roughness. So the products requirement is very high for casting process, our company is one of the enterprises with high quality hollow shaft casting inland.

Shoe-type bearings with tilting segments seated on swinging balance beams are designed with hydraulic-dynamic lubrication. They perfectly fit the shape of the bearing rings. Except for mills seated on shoe-type bearings PSP Engineering supplies also mills of a classic design seated on trunnion bearings.



## Who We Are

Frigate Teknologies is a diversified global conglomerate providing integrated services for various core sectors.

### Services

1. EPC Contracts
2. Design & Engineering Services
3. Consultancy Services
4. Project Management

### Industries Served

1. Cement
2. Mineral Processing
3. Energy
4. Marine
5. Steel
6. Aviation

In very simple words, we offer one-stop solution from **CONCEPT to COMMISSIONING**

## Our Values – Our Vision – Our Mission Statement

Values	Vision	Mission
<p>To realize our vision and mission, we always turn to the corporate values that we hold dear. We will live and deliver these values with uncompromising commitment to safety and sustainability.</p> <p><b>Performance - Passion - Team Work - Agility - Reliability</b></p>	<p>We will deliver reliable, high-quality solutions for global infrastructure, always ensuring that integrity, safety and sustainability are at the heart of everything we do.</p>	<p>To be among the top ten EPC companies in the segments and markets we serve by 2025</p>

## What sets us apart

ISO 9001 – 2008 Certification



In-House Design Setup

Compliance to International Design & Safety Norms



Compliant to International Project & Contract Management Standards





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A few critical technologies are offered in collaboration with European OEMs.