

The large mill performance oriented solution

From laboratory to industry: bridging research and real-world solution

In the cement industry, operators face numerous challenges, including achieving optimal grinding efficiency, managing wear and tear on mill liners, and ensuring consistent ball charge classification. Traditional liners often fall short in providing the durability and precision needed for large mill diameters, leading to increased operational costs and downtime.

By translating innovative research findings from the laboratory into practical applications, we can develop advanced liner technologies that enhance performance and reduce costs in industrial settings.

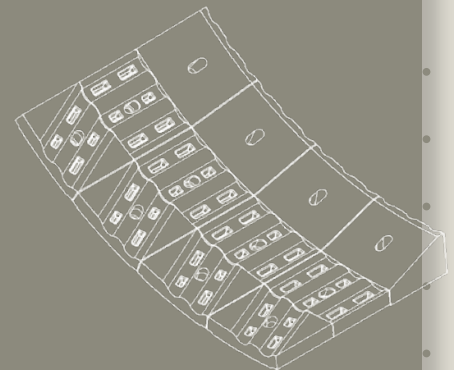


Our solution:

The Magotteaux cement 2nd chamber classifying liner guarantees optimal performance for large mill diameters.

By combining thin liners for very fine grinding with the durability and efficiency of classic designs, our hybrid solution enhances overall grinding efficiency and productivity, providing a robust solution to the industry's challenges faced by cement plant operators.

Magotteaux cement classifying liners



Process optimization services and products
for abrasive and impact applications



Advantages:

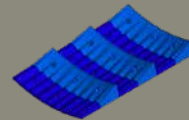
Optimized grinding efficiency leading to reduced specific energy consumption and lower operational costs.

- Excellent ball classification for all mill diameters from 3.0 to 6.2 m.
- High efficient material stirring favorizing the progress of fine particles and enhancing the grinding efficiency achieved by pocket design.
- These pockets allow the use of finer ball charge suitable for very fine grinding, ensuring high-precision milling and consistent quality.
- Increased grinding balls volume: Boosts absorbed power and throughput [t/h], enhancing overall productivity.
- Ideally suited for grinding finer and lowering clinker factor.

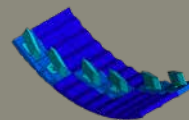
Other main advantages

- **Lightweight design: easier to handle and install, reducing downtime.**
- Adapted alloys for thinner design: maintains long lifetime despite the thinner construction.
- Bolted or semi-vaulted version.

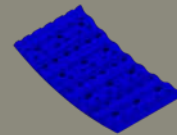
Also offering other solutions and classifying liners designs to suit your requirements in raw, cement, slag, and coal mills:



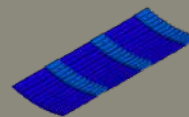
Our fine grinding classifying liner



Alternative classifying liner for mills up to 4.4m diameter



Pocket liner for cases where classification is not needed



Non-classifying corrugated liner



Contact our account managers and experts to find out more about how we can support you to meet and surpass your goals.