



Efficiency and lifetime are your challenges. We have the lining solutions to address your needs!



Magotteaux
mining
mill internals



At Magotteaux, we want to deliver the right product for your application, thereby meeting your specific requirements and achieve your challenges.

Our range of products

For your highest milling challenges, we develop and deliver different liner solutions:

Magotteaux mining
feed liner

Magotteaux mining
discharge liner
grates, plates
and pulp lifters

Magotteaux mining
shell liner
variable lift (MVL)
or classifying

We provide a wide range of alloys from high chromium to chromium molybdenum steel and martensitic steel.

Our experts will recommend the best solution adapted to your specific grinding conditions. They will help you to optimize your process.

The highest quality of liners adapted to your application



Lifetime

- Manufactured from superior wear material
- > favorizing slow and constant wear
 - > match your shutdown cycles while ensuring the best extended wear life of the liners
 - > maximize mill availability, reduce the number of shutdowns



Efficiency and sustainability

- The most advanced simulation tools are used to design the liner profile and define the optimum shape of the lining plate. By consequence we will optimize your specific energy consumption (kWh/ton ground).



Maintenance and safety

- Liners are easy to install and replace in a fast and safe process
- > for your operators' and subcontractor's safety
 - > positive impact on your plant safety records



Reliability

- Orders delivered on time
- > simple planification
- Mill liners developed using advanced technologies
- > highest performance and wear resistance
- Selection of the right alloys for your specific milling conditions
- > avoid breakages or other failures
 - > avoid unscheduled stops



Results

- Optimization of the kWh/ton and therefore the cost per ton ground
- Extension of the life cycle and maximization of the production rate
- Lower global footprint

AG/SAG



Rod mill



Ball mill



Stirred mill



We have the expertise to support your objectives

Mill internals are important but optimum mill design can only be achieved when we consider all the relevant parameters:

- **Grinding charge** (filling degree and maximum ball size)
- **Mill type** (autogeneous mill, semi-autogeneous mill, rod mill, ball mill, stirred mill)
- **Mill characteristics** (drilling, speed of rotation ...)
- **and more**

Magotteaux is a leading supplier for tube mill internals with more than 7.000 mills equipped. Therefore we have developed a unique know-how.

Simulation techniques

> We use the most advanced simulation techniques to model all parameters and design the solution to meet your targets.

Unique holistic approach

Magotteaux

mining

process optimization solutions

This approach helps you maximize the return from your concentrator.

We also developed specific tools in order to monitor and improve the activities:

- **MagoSense**[™]: the innovative real-time mill monitor. To get a real-time knowledge of what is going on inside your mill.
- **MagoLoad**[™]: is designed for automated grinding ball addition and on-line reporting in milling plants. It maintains an optimal filling degree at any time.

Much more than liners - an organization

Mill liners are just one part of the equation, there is much more than Magotteaux can do to support you.

1. Full range of grinding media

We offer a full range of grinding media. We are the leading supplier worldwide able to advise & deliver the best suited grinding media type.

2. Global footprint

We supply grinding media from different locations around the world guarantying quality, security of supply and on-time delivery. Shorter distances ensure lower environmental impacts!

3. Recycling

We didn't just turn green we have always been. A significant part of our products is made from steel scrap.

We deliver successful innovation, smart design and high standard manufacturing techniques.





Global coverage with local production

+ 100 years of innovation experience

22 production units across **12** countries

+150 countries covered through
our sales network

+1 million tons of products capacity

+3000 employees around the world

Part of **Sigdo Koppers Group**,
listed in Santiago (Chile)

Magotteaux, a global leader with more than 100 years of expertise standing by your side.

At Magotteaux, we know it's an increasingly challenging world and any difference we can make to reduce the overall running cost of your operations will have a positive impact on your bottom line. We are committed to make your business as successful as possible while contributing to lower your environmental footprint.

Magotteaux is much more than just a supplier! As a true innovator, we invest continuously in innovation and develop strong and close relationships to understand your challenges and define the best possible solution prior to engineering and delivering the promised quality. We use innovative and modern monitoring tools to prove our promise and optimize your operations.

We are born recyclers, as more than 80% of our raw materials come from recycled goods. We invest in energy efficiency and renewable energy along with an active strategy to reduce, reuse and recycle. Circular economy is important for us. With multiple production units around the world, we are uniquely placed to offer an attractive scrap buy-back program.



Contact our account managers
and experts to analyze your
process and define the best
possible solution.



Process optimization services
and products for abrasive
and impact applications.

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