



High quality products and
long-standing expertise for
each of your specific needs



Magotteaux
mining
grinding media

A complete range of products to deliver the best solution

Your challenge is to maximize the valuable recovery at a minimum cost in a sustainable way.

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

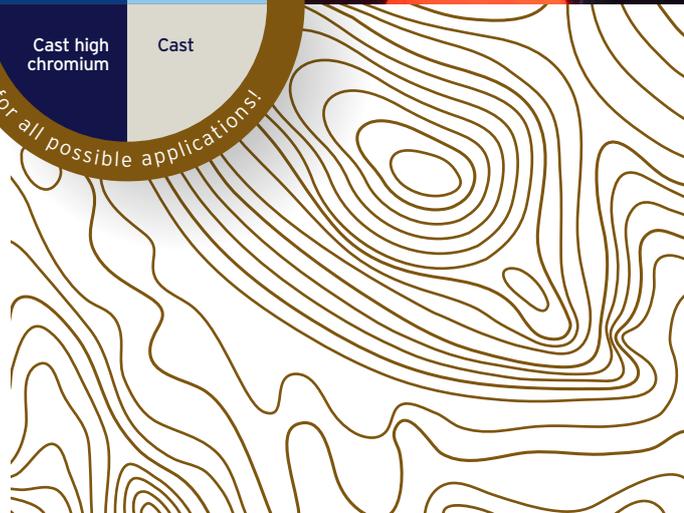
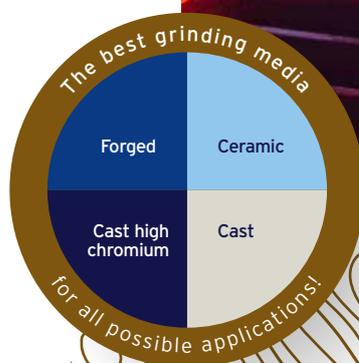


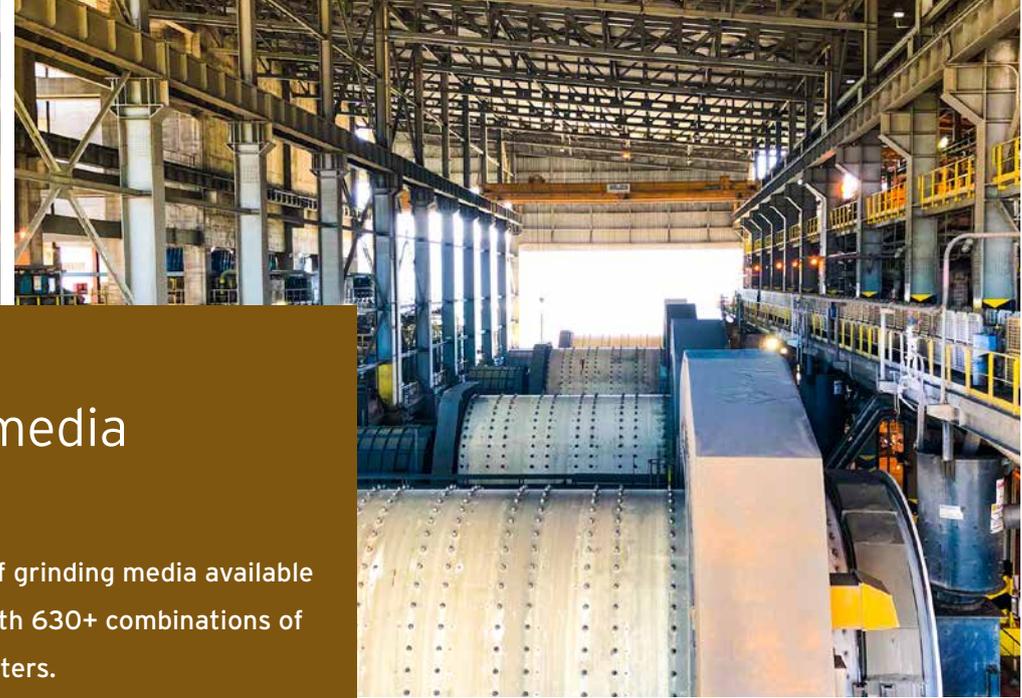
How can we do that?

1. We offer a full collection of suitably manufactured grinding media.

- From low to high chromium
- Cast and forged
- Ceramic beads
- Grinding rods
- Diameters range from 0.2 to 152.4 mm (0.008 to 6 inches) depending on grinding media type

2. We have the experience and expertise to work with you to find together the best solution for your business.





Grinding media summary

The widest range of grinding media available in the industries with 630+ combinations of material and diameters.

Grinding media	Applications				
	SAG mill	Ball mill	Rod mill	Tower mill	Stirred mill
Magotteaux mining grinding media One cast		●			
Magotteaux mining grinding media + cast		●			
Magotteaux mining grinding media One cast high chromium		●		●	
Magotteaux mining grinding media + cast high chromium		●		●	
Magotteaux mining grinding media forged	●	●		●	
Magotteaux mining grinding media ceramic					●
Magotteaux mining grinding rods			●		

The same guaranteed high quality from all our manufacturing units – worldwide

Magotteaux guarantees the same quality level from all its production sites.

Our plants:

- use advanced production, inspection and process technologies
- are under the same quality management system
- manufacture according to highest quality standards

This means that each step of the production process is checked uncompromisingly.

This process ensures that the delivered product meets your expectations.

More than grinding media

Magotteaux has developed the widest range of liners. With more than 7000+ tube mills equipped all over the world, you will benefit from the best experience in the industry.

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.
- **MagoPulp^{▲▲}**: measures the key pulp chemistry parameters - continuously and in real time. This data is used to optimize circuit performance.



- **MagoMill^{▲▲}**: a laboratory mill designed to reproduce the pulp chemical conditions of the plant grinding mill in the laboratory. It allows the user to investigate the impact of grinding chemistry on their metallurgical process.
- **MagoFloat^{▲▲}**: simulates and realizes test flotation at lab scale. With a view to maximize the reproducibility of the standard laboratory flotation test.



Cost effective



On-time delivery



High and consistent quality



Security of supply

This makes Magotteaux the best supplier worldwide able to:

- Advise on the best suited grinding media type with objectivity and independence.
- Deliver these products from its own and fully controlled supply chain which guarantees quality and secured delivery

With the complete range of grinding media, Magotteaux covers the full scope of your applications and requirements!

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





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)



Process optimization services
and products for abrasive
and impact applications.

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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.

The information and data in this data sheet are accurate to the best of our knowledge. They are intended for general information only. Applications as suggested are described only to help readers make their own assessment. They are neither guarantees nor to be construed as express or implied warranties of suitability for these or other applications.

Optimum performance for your milling application

Our approach: the right product for your application - a continuous process improvement

Maximizing the return from your concentrator is supported by our unique holistic approach:

Magotteaux^{AA}
mining
process optimization solutions

It consists of merging different areas of expertise: pulp and surface chemistry + grinding efficiency + wear mechanisms.

This approach is designed to optimize the downstream separation processes, using the right combination of technologies.

This system is supported by our technical services and sales. Our team of 200+ experts located close to your operations helps you choose the perfect grinding media for your applications.



1 Segmentation of your grinding applications

We segment your applications based on ore characteristics and operating conditions. By using our proprietary databases, simulation tools, laboratory testing results, field trial results and many more items ...

2 Determine and deliver the best grinding media

Our strong expertise enables us to select the right alloy and media size to fit your application and minimize the costs.

3 Product performance follow-up and real-time mill monitoring (balls, pulp)

Our innovative tools combined with know-how allow effective monitoring to support your production performance: MagoSense^{AA}, MagoLoad^{AA}, MagoPulp^{AA}

Security of supply and on-time delivery

Magotteaux employs more than 3.000 talented individuals and has a market footprint of over 1.000.000 tons of grinding media and castings through its specialized production units, sales offices and technical centers worldwide.

Our solutions have been successfully implemented in 150+ countries all over the planet.



○ production units