



From cost-effectiveness
to performance;
our solutions have it all!

Magotteaux
cement
grinding media

Improving your grinding efficiency is what we aim for

Get savings and performance without taking unnecessary risks! Why compromise when you can achieve both at the same time?

Did you know that running a mill with an optimized ball charge can save 15% of energy and/or increase productivity by up to 20%?

An optimized ball charge is a function of feed material, mill parameters and characteristics of the grinding circuit, among the main parameters. Magotteaux developed advanced expertise for all relevant factors to design and deliver your ideal ball charge.

A full range of grinding media

Now imagine that the ideal ball charge is combined with the best suited grinding balls. From cast and forged, low and high chromium, balls/boulpebs/rods to ceramic grinding beads and balls, Magotteaux is the only supplier offering the full range of grinding media.

Magotteaux cement grinding media ceramic, used for fine and ultra-fine grinding applications, offers the most attractive price/performance ratio in the market.

Magotteaux cement 1st chamber grinding media One

This product continuously revolutionizes coarse grinding in the 1st chamber of raw and cement mills and remains the market reference. Available in a wide range of diameters to ensure the best grinding efficiency tailored to your grinding mill.

Magotteaux cement 2nd chamber grinding media One

This type of grinding media completes the offering for fine grinding in the 2nd chamber of raw and cement mills. It is the best available solution in terms of grinding efficiency and wear resistance for all types of cement.

Magotteaux cement 1st and 2nd chamber grinding media +

Do you expect more?

Are you looking for the lowest wear rates for abrasive situations or striving for the ultimate grinding performance?

With the best wear rates (up to 60% higher performance) compared to the standard solution, this high performing grinding media is the solution for your 1st and 2nd chamber!

We will deliver a product based on your requirements. And will ensure to meet and exceed your expectations!

The right quality, delivered on time, supported by a solid process expertise



Right quality, delivered on time. We ensure that products conform and are delivered on time.



Safety. The exposure to safety risks is minimized thanks to the reduced wear resulting in less addition of grinding media.



Process efficiency & performance. Production efficiency and performance are optimized through retained media shape & absence of breakage. Expect lifetime and performance up to 160% above the market standard!



Energy efficiency & reduced carbon footprint. Our grinding balls are made with the lowest possible environmental impact and will help you optimize the resources used in your production processes.



Less chromium in your cement. The chromium content* in your end product is reduced by half with the same grinding performance.

*caused by grinding media



Your additional advantages

exclusively supplied by Magotteaux



Support. Our unique process expertise will help improve your grinding efficiency.



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



Recycling. We didn't just turn green, we have always been. A significant part of our products is made from steel scrap. Do you want to create a greener world with us?

Get in touch to dispose of your used grinding balls or castings.

Whatever your needs - process expertise, technical assistance, formalized reports and more - our experienced sales & process team has it all covered with a high level of responsiveness.

Combining the best suited grinding media with smart solutions

To support and improve your operational performance, to maximize the quantity and quality of your material while minimizing the energy consumption and to minimize the downtime of your plant are key challenges our experts are eager to take up with you.

Moreover, to guarantee the highest grinding efficiency, monitoring systems & services are critical to make sure that the equilibrium between the ball charge and the material load in the mill is maintained at any time.

Our services and tools related to mill optimization will support you to achieve your targets.

- Mill audits
- Liners and diaphragms
- Ball charge optimization
- Ball sorting
- Ball loading
- MagoClass^{MA} - high efficiency classifiers
- Water injection system
- Grinding aid optimization
- Real-time mill monitoring



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



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.