



Designed to address your challenges

Maxicrom[®], Hardalloy[®], Duomax[®]



MAGOTTEAUX

IMPROVING YOUR GRINDING EFFICIENCY IS OUR REASON TO BE

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, characteristics of the grinding circuit ...

That is why Magotteaux developed an advanced know how of 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**.



MAXICROM®

1st chamber

Maxicrom® continuously revolutionizes coarse grinding in the first chamber of raw and cement mills and remains the market reference. Available in a wide range of diameters to ensure the best grinding efficiency Maxicrom® will be tailored to your grinding mill.

HARDALLOY®

2nd chamber

Hardalloy® 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.

DUOMAX®

Do you expect more? Get ready for your DUOMAX® cement experience!

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

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



Magotteaux will deliver based on your requirements and will ensure we meet and exceed your expectations!

THE RIGHT QUALITY, DELIVERED ON TIME SUPPORTED BY SOLID PROCESS EXPERTISE



SAFETY

The exposure to safety risks is minimized thanks to the reduced wear and hence less addition of grinding media.



PROCESS EFFICIENCY

Production efficiency and performance are optimized through retained media shape & absence of breakage.



PERFORMANCE

Expect lifetime and performance up to 150% above the market standard!



ENERGY EFFICIENCY & REDUCED CARBON FOOTPRINT

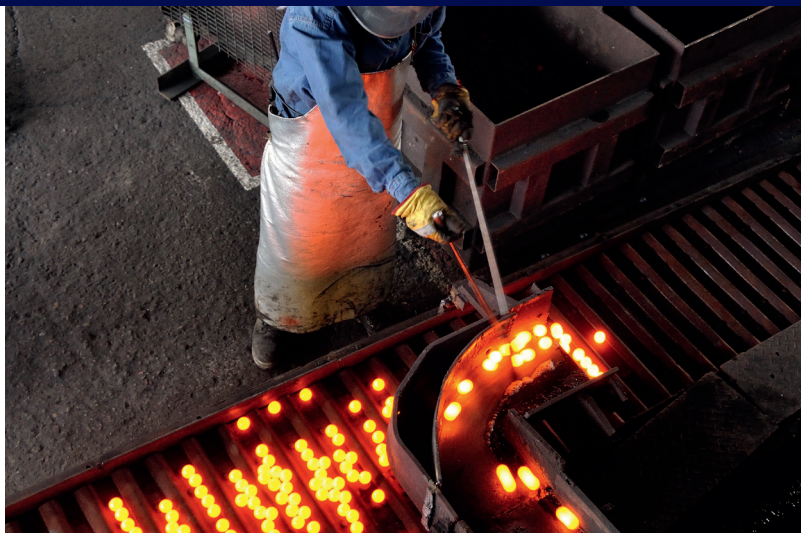
Our grinding balls are made with the lowest possible impact and will help you optimize the resources used in your production processes.



LESS CHROME IN YOUR CEMENT

The content reduced by half in your end product* 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 guarantying 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.

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 used, to minimize the downtime of your plant are key challenges our experts love 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
- XP4i® High Efficiency Classifiers
- Water Injection System
- Grinding Aid optimization
- Real-time mill monitoring

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



Ball loader



Ball sorting



XP4®i separator

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.

Process optimization products and services
for high abrasion extracting industries



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