



Mobile pilot plant



KERAMAX®

CERAMIC GRINDING MEDIA

Grintec Magotteaux Ceramic Technology was born from an alliance between Grintec Advanced Materials Technology Co., Ltd., a producer of ceramic products for mining, ceramic, paint and coating industries and Magotteaux, a leader in process optimization solutions for high abrasion extracting industries.

Located in Zibo, the heart of the ceramic valley in China the company offers one of the broadest ranges of ceramic grinding media in the market in terms of densities and diameters combined with the largest expertise in the industry.

Our key to your success? Understanding your needs and production processes, so that we can tailor the right solution by leveraging our successful innovation and manufacturing capabilities.

We serve all grinding industries all over the world: from Alaska to South Africa; from China to Chile. We help our customers optimize their operations,

and deliver their final product or service at the optimal total cost of ownership, with minimal environmental impact. In addition to great products & solutions, we offer advice, service, resources and equipment.

KEY FACTS

- Established in 2016
 - New Greenfield plant with the newest technology and large & flexible capacities
- As part of the Magotteaux network, the company relies on:
- 24 sales & process centers
 - 200+ technical service and sales experts
 - Global manufacturing footprint for all types of grinding media:
 - low-chrome forged and cast: Ecomax®
 - high-chrome cast: Duromax®, Maxicrom®, Hardalloy® and Duomax®
 - ceramic media: Keramax®
 - Design and manufacturing of castings and heat-resistant castings

Process optimization products and services for high abrasion extracting industries



www.magotteaux.com
ceramicbeads@magotteaux.com

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.



GRINTEC MAGOTTEAUX
CERAMIC TECHNOLOGY

OUR OFFERING

Our research center has developed a brand-new range of high quality ceramic grinding media for fine and ultra-fine grinding applications: **Keramax®** ceramic beads and balls.

The uniqueness resides in the combination of the unrivaled ceramic expertise of Grintec Advanced Materials Technology Co., Ltd. and the technical & market knowledge of Magotteaux as leading supplier for solutions for high abrasion extracting industries. When both companies joined their forces, they laid the foundations for continuous excellence in all types of ceramic comminution applications.

The solutions we offer are build upon:

- A strong network of experts across the globe, always close to your operations
- A continuous product development and improvement combined with the best comminution expertise
- A safety stock to ensure continuity of supply
- Mobile pilot plants at your disposal for testing and optimizing your circuits (optional)

YOUR ADVANTAGES

OPTIMAL EFFICIENCY OF YOUR GRINDING CIRCUIT

Keramax® offers the most attractive price/performance ratios in the market, thanks to:

- a reduction in wear, measured in gr/ton milled
- a reduction in milling time thanks to the best-suited density of the balls
- a minimization of the contamination of the raw materials
- a stable process over time

ALL THESE ELEMENTS ENSURE THAT YOUR TARGETS IN TERMS OF PRODUCTION EFFICIENCY AND EXCELLENCE ARE MET ALONG WITH AN OPTIMIZATION OF YOUR PROFITABILITY.

THE GUARANTEE OF A FLAWLESS PRODUCT

In order to obtain the best wear and breakage resistance combined with adequate strength, **Keramax®** is produced according to a state-of-the-art manufacturing process in a totally new and modern plant meeting the strictest standards.

Starting with the most severe quality checks of raw materials all along with a continuous control of the production line, a complex procedure guarantees both an ideal particle size curve and a perfectly homogenous mixture. The entire process benefits from the latest technological developments in this field.

MULTIPLE GRINDING APPLICATIONS

Thanks to its exceptional resistance to wear & its inert state, **Keramax®** is the ideal product for many grinding applications.

Keramax® is suitable for all existing and future types of stirred mills as for example Isamill, SMD, HIG, VXP, Netzsch and many more as well as for all ball mills.



INDUSTRY	FOR THE GRINDING OF
Mining	all types of ores as PGM, Au, Cu, PB/Zn...
Ground calcium carbonate	CaCO ₃
Silica	SiO ₂
White cement	Raw materials and clinker
Industrial Minerals	Quartz, sand, zircon, feldspar, talc...
Ceramics	Aluminas, glass, coloured oxides, enamels, sinters
Chemical products	Oxides, calcium carbonate...
Abrasives	Aluminas, corundum...
And many more...	

FULL RANGE OF GRINDING MEDIA

With **Keramax®** available in various densities and sizes we offer a full range of ceramic beads and balls suitable for all your grinding applications.

Complementary to **Keramax®** we also supply High-chrome and Low-chrome grinding media making Magotteaux THE SOLE WORLDWIDE SUPPLIER ABLE TO provide the complete range of grinding media.

