



The most effective  
VSI crusher

**Mag'Impact** 





# A comprehensive range of products ...

## High-quality finished products

- Impact crushing offers outstanding cubicity to the produced gravel, crushed stone and manufactured sand
- The way in which the materials are driven towards the anvils increases the percentage of broken edges in the finished products
- The mechanical properties of the finished products are thus improved (Los Angeles (LA) coefficient index, Flakiness Index, etc.)

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## Environment

By recycling crushed concrete and asphalt:

- you are contributing to the circular economy
- you can comply with the requirements on the use of recycled products imposed in certain markets

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## Areas of application

- Solid rock quarries
- Gravel pits
- Recycling sites (concrete, asphalt, etc.)
- Slag and scoria treatment
- and many other applications



Maximum safety



High quality




Optimized costs



Circular economy



## Concrete sand

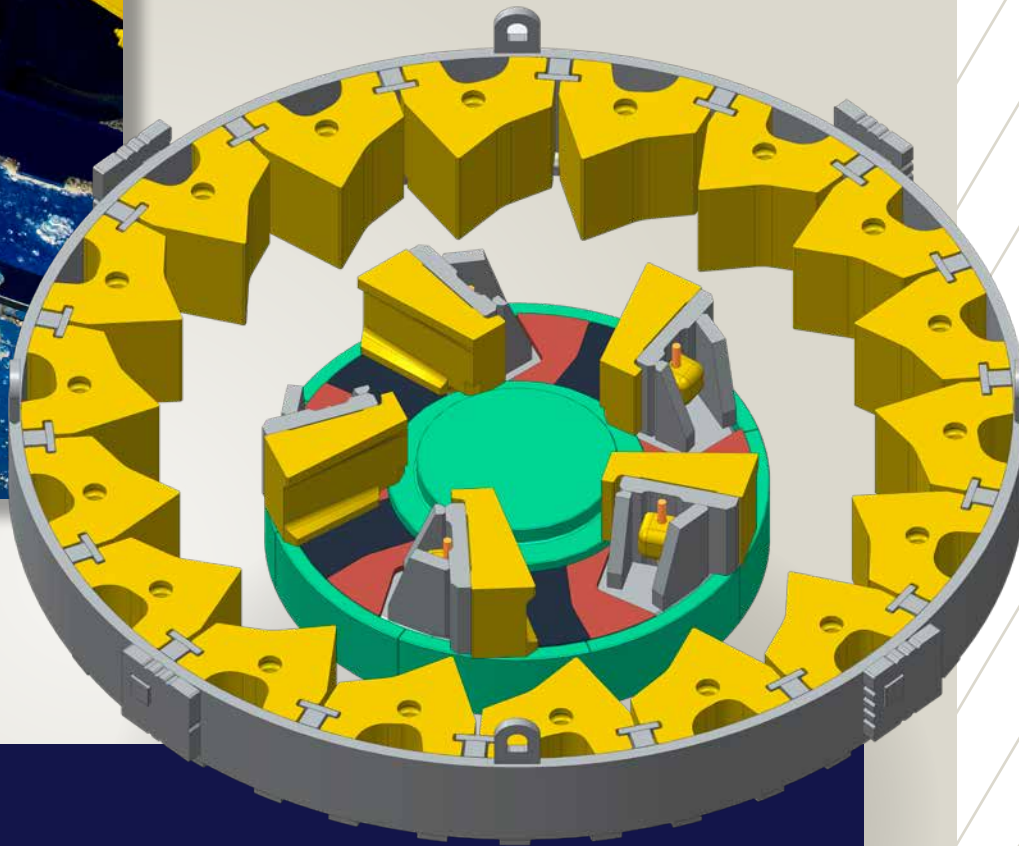
**Mag'Impact**  can also produce sand from solid rock (limestone, granite, gneiss, etc.), which can be used as a substitute material in the production of concrete where natural sand is scarce.

- Production: 0/4 from 40% to 65% depending on the crushability of the material and the speed of the table
- Production: up to 160 t/h for 0/4 with a single machine
- Variable flow machine
- Anvil crushing improves the grading curve of the sand, the shape of the grains, etc.
- Optimizes the cost of the concrete formula

# ... to meet a range of diverse needs

We offer 4 models of vertical shaft impact crushers (Mag'Impact 2100, 2400, 2700 and 2100 Sand) covering most crushing applications.

Whatever your aggregate applications (concrete, roads, ballast, etc.) or your future projects, **Mag'Impact** meets all your needs to:



increase the rate and quality of finished products

optimize the production of 0/4 fine gravel/chippings

simplify your set-up

limit your investment

offer better quality products to your customers in terms of cubicity, L.A., absorption, etc.

turn unsold inventory into value

target new markets

produce manufactured sand (0/4) in a closed circuit

adapt your business in a flexible way to a changing demand

help develop and sustain in the circular economy

optimize your production costs

benefit from a constant output curve independent of the wear of parts



With a total return on investment that can be achieved in less than a year!

## "Smart" Mag'Impact

A new generation Mag'Impact<sup>▲</sup> with a remote monitoring solution:



### 1. Monitor production process in real time:

- Wear sensors → maintenance planning, continuous improvement, process control, safety

Optional (depending on the set-up)

### 2. Remote login for:

- commissioning
- controlling working parameters (production rate, power consumption, rotation speed, vibrations, etc.)
- troubleshooting and repairs
- technical training



# Better safety and reduced production costs



## Reduced wear related costs



We have developed metallurgical solutions (white iron chromium alloys) and the Metal Matrix Composite (MMC). These solutions are suitable for medium to high abrasiveness in gravel pits and quarries. They increase the life of wear parts.


VSI wear parts are made of metallurgical and composite solutions:

- Magotteaux aggregates VSI impellers one
- Magotteaux aggregates VSI impellers +
- Magotteaux aggregates VSI anvils one
- Magotteaux aggregates VSI anvils +

Whatever your application, we have a solution!

## Fast and simple maintenance



**Mag'Impact**  has been designed to streamline maintenance operations, as well as limiting downtime (number and duration) thanks to:

- easy opening of the cover lid to facilitate access to worn parts
- easy and quick replacement of the main parts (ejectors impellers, anvils, etc.)
- automated bearing lubrication
- jib crane (optional)

## Maximum safety




- Open-cover sensor
- Oil temperature sensor
- Vibration sensor
- Flow and oil level sensor
- Continuous monitoring of the lubrication system
- Various handling tools

## Technical expertise



Our technical experts are available to help you optimize the performance of your crusher based on your needs.

# Flexible VSI crusher

The versatility of the **Mag'Impact**  means that it can be easily adapted to different jobs:

- Different reduction coefficient ratios can be set by the user by altering the speed of the table
- The maximum feed size can attain 160 mm in the largest model (#120 mm)
- Throughput: 80 t/h -> 450 t/h (depending on the model)
- Stationary, semi-mobile or mobile (track-mounted)



1

The material to be crushed is fed through the feed hopper.

2

It then falls onto the center of the rotating table.

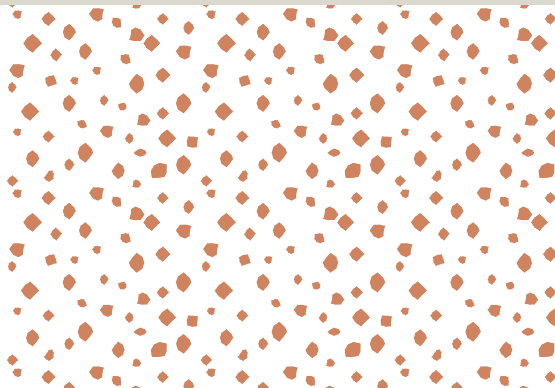
3

The ejectors impellers (on the table) drive the particles towards the anvils located on the outer ring.


4

A wide range of impeller/anvil designs are available to suit your different materials and applications.

## How it works







## 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.



Process optimization services  
and products for abrasive  
and impact applications.

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