

MEKA

MTI SERIES TERTIARY IMPACT CRUSHERS

For the production of high grade concrete
and asphalt aggregate.

MEKA OFFERS SOLUTIONS TO ENHANCE YOUR OPERATION

MEKA offers an extensive product portfolio to work in
many applications supporting for quarrying, mining,
recycling projects ready mix concrete production

www.mekaglobal.com



WHAT IS TERTIARY IMPACT CRUSHER?

Impact crushers are manufactured with different rotor sizes and the required motor power is selected according to the application. The strength of MTI crushers makes them ideal for every kind of application in many different configurations. MTI crushers have demonstrated their effectiveness in many missions from crushing low abrasive materials to industrial applications and recycling.

Some application areas;

QUARRIES

- Production of aggregates for concrete and asphalt plants,
- Production of manufactured sand
- Shaping of flaky aggregates to obtain cubical aggregates

INDUSTRIAL MINERALS

- With minimum capital and operational costs
- Excellent particle shape down to micron sizes

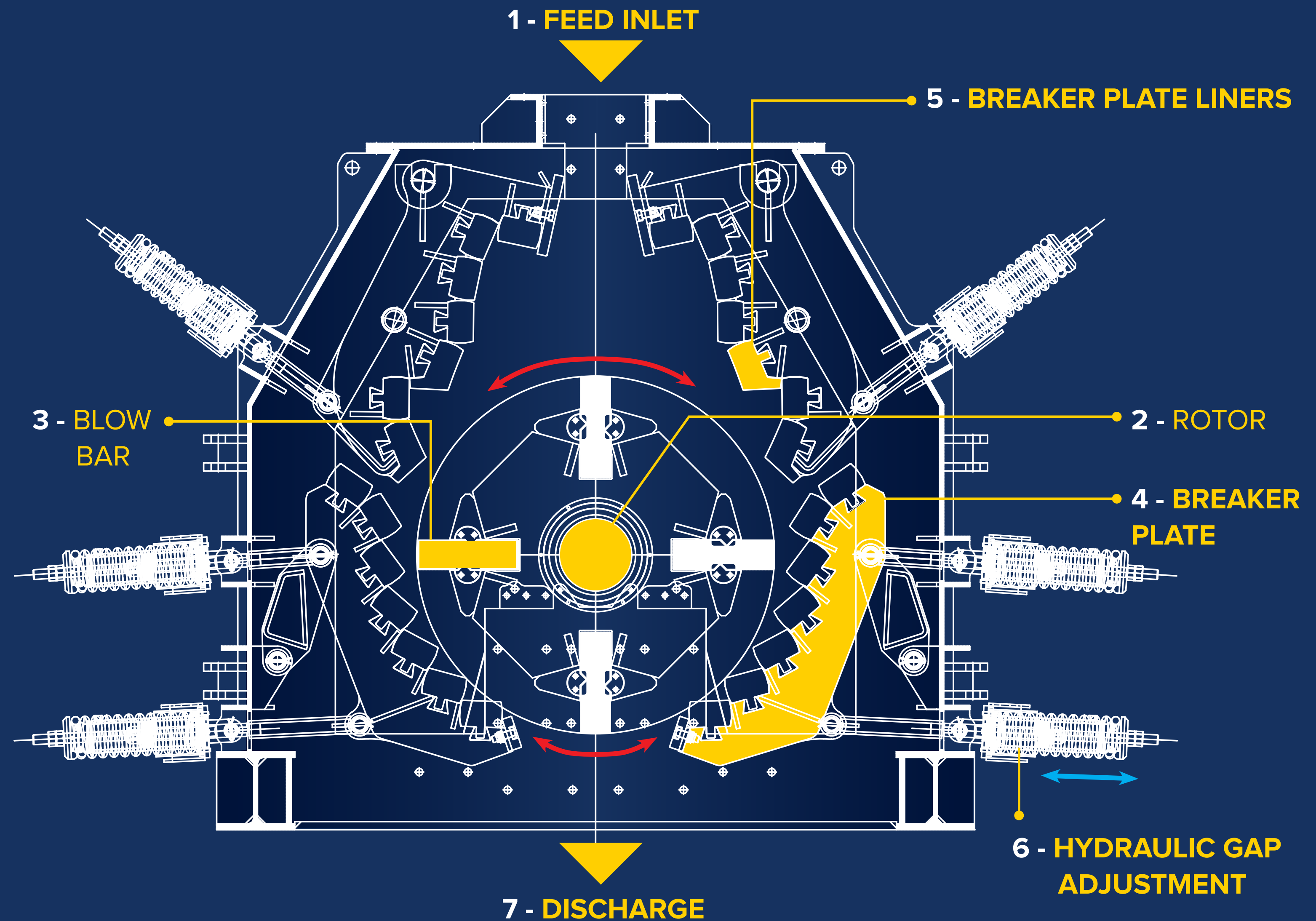
RECYCLING PLANTS



OPERATING PRINCIPLES OF TERTIARY IMPACT CRUSHERS

Material fed to the crushing chamber through the Feed Inlet **(1)** is hit by blow bars **(3)** and thrown against breaker plates **(4)**. This repeated sequence of impacts provides the crushing.

The gap between the breaker plates and the rotor is adjustable by means of the hydraulic system **(6)** to obtain the required product sizes.



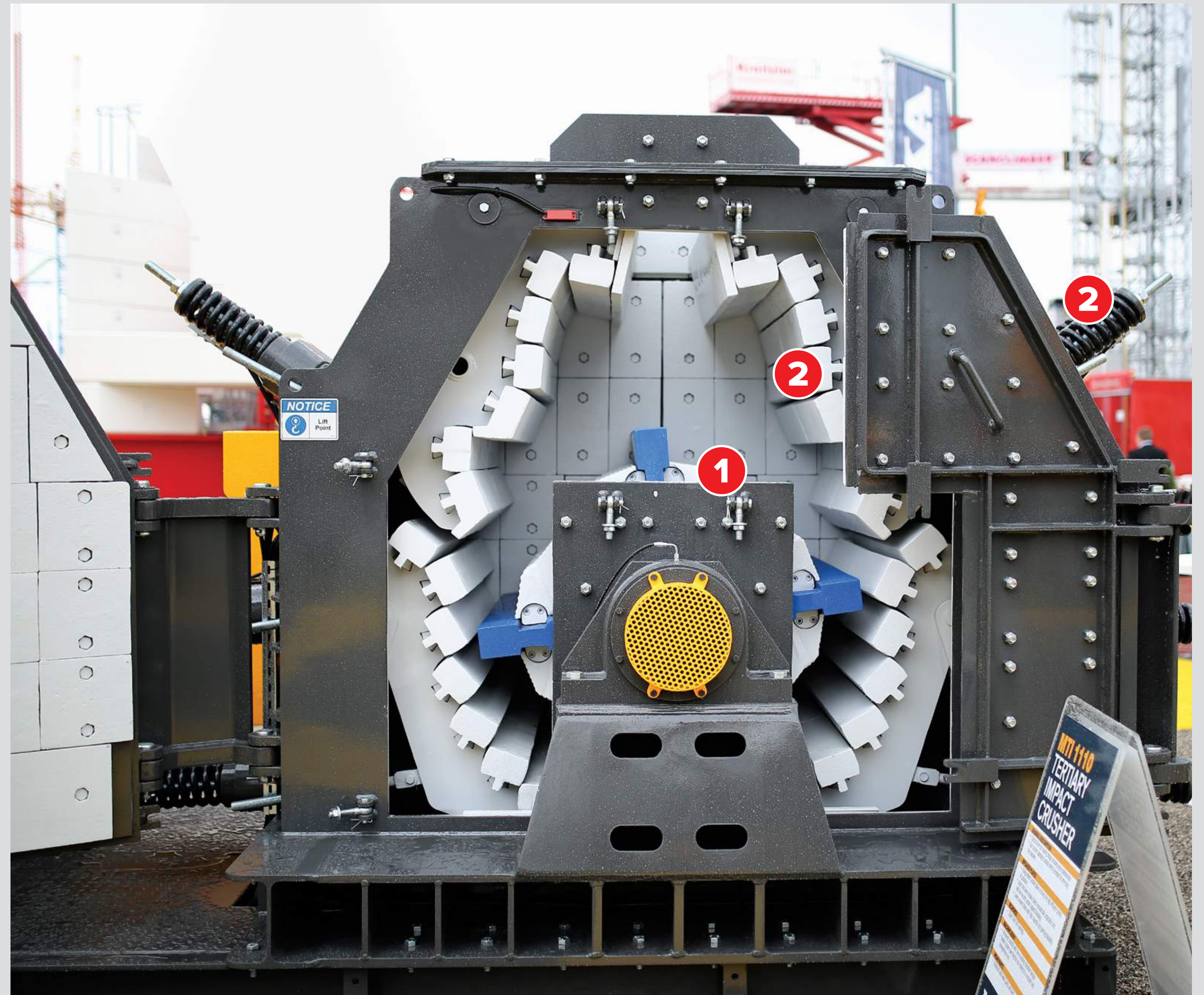
KEY ADVANTAGES OF MEKA TERTIARY IMPACT CRUSHERS

1 ROTOR

The rotor with high inertia improves crushing reduction and provides stability in the process, reducing energy consumption and increasing long-term performance. Heavy rotor and crushing chamber design in addition to materials selected for their outstanding wear resistance further reducing operating and wear costs. The rotor of the crusher is generally the most stressed component during the crushing procedure. Because of the symmetrical design of the crusher, the rotor's direction of rotation may be changed and reversed.

2 BREAKER PLATES AND GAP SETTING

The design of the crushing chamber of the MEKA crushers with comfortably adjustable breaker plate gap ensures an optimum crushing result at a favourable energy demand. Simple and easy hydraulic assisted gap adjustment provides absolute gap settings using a minimum amount of components.



KEY ADVANTAGES OF MEKA TERTIARY IMPACT CRUSHERS

3 BLOW BARS

Blow bars are fixed to the rotor by a single wedge assembly, delivering high tightening torque. The reversible blow bars are machined to ensure a flat fit with the rotor. Combined with perfect blow bar alignment on rotor contact faces, guaranteeing the advantage of eliminating gaps between the rotor and blow bars. This reduces the risk of blow bar breakage. Due to the application of different grades of wear resistant steel for the blow bars with a degree of utilization of more than 50 percent, the operating and maintenance costs of the MEKA crushers are clearly reduced. Re-sharpening of the blow bars in reverse operation is another advantage for the lifetime of blow bars.



KEY ADVANTAGES OF MEKA TERTIARY IMPACT CRUSHERS

4 HOUSINGS

Power is transmitted to the rotor by means of a V Belt drive. By changing the rotor speed, it is possible to specifically produce a desired grain size distribution from the wide potential range of products. In case of an advanced wear on the blow bars, it is possible to change the speed and keep the product grain curve constant. As optional equipment, crusher can be equipped with temperature sensors for the housings.

5 PERFECT LUBRICATION SYSTEM

The Centralized automatic lubrication system, continuously supplies the crusher labyrinth seals, with sensors on each seal, to ensure, you are informed of a failure, before it is too late.



KEY ADVANTAGES OF MEKA TERTIARY IMPACT CRUSHERS

6 MAINTENANCE DOORS

For service, inspection and maintenance work, the machine's housing is fitted with large doors on both sides. The blow bars are laterally inserted into the rotor, so that they may be simply and quickly exchanged. The housing's plating largely consists of handy and easy to exchange wear plates. Sensors for the doors make all the maintenance interventions safe by forbidding machine start-up.

7 REVERSIBLE ROTATION

The rotors in our MTI Series crushers are able to operate in both directions, so when the wear parts are worn out for one side of the crusher, the operators can change the rotor's operating direction to the other side. This method decreases inventory costs for clients by reducing maintenance requirement time and parts cost.





KEY ADVANTAGES OF MEKA TERTIARY IMPACT CRUSHERS

HIGH PERFORMANCE

- High capacity to boost profitability
- High reduction ratio
- High quality and product cubical shape
- Best gradin shape with high quality grain proportion
- Low filler content

ADAPTABLE TO ALL APPLICATIONS

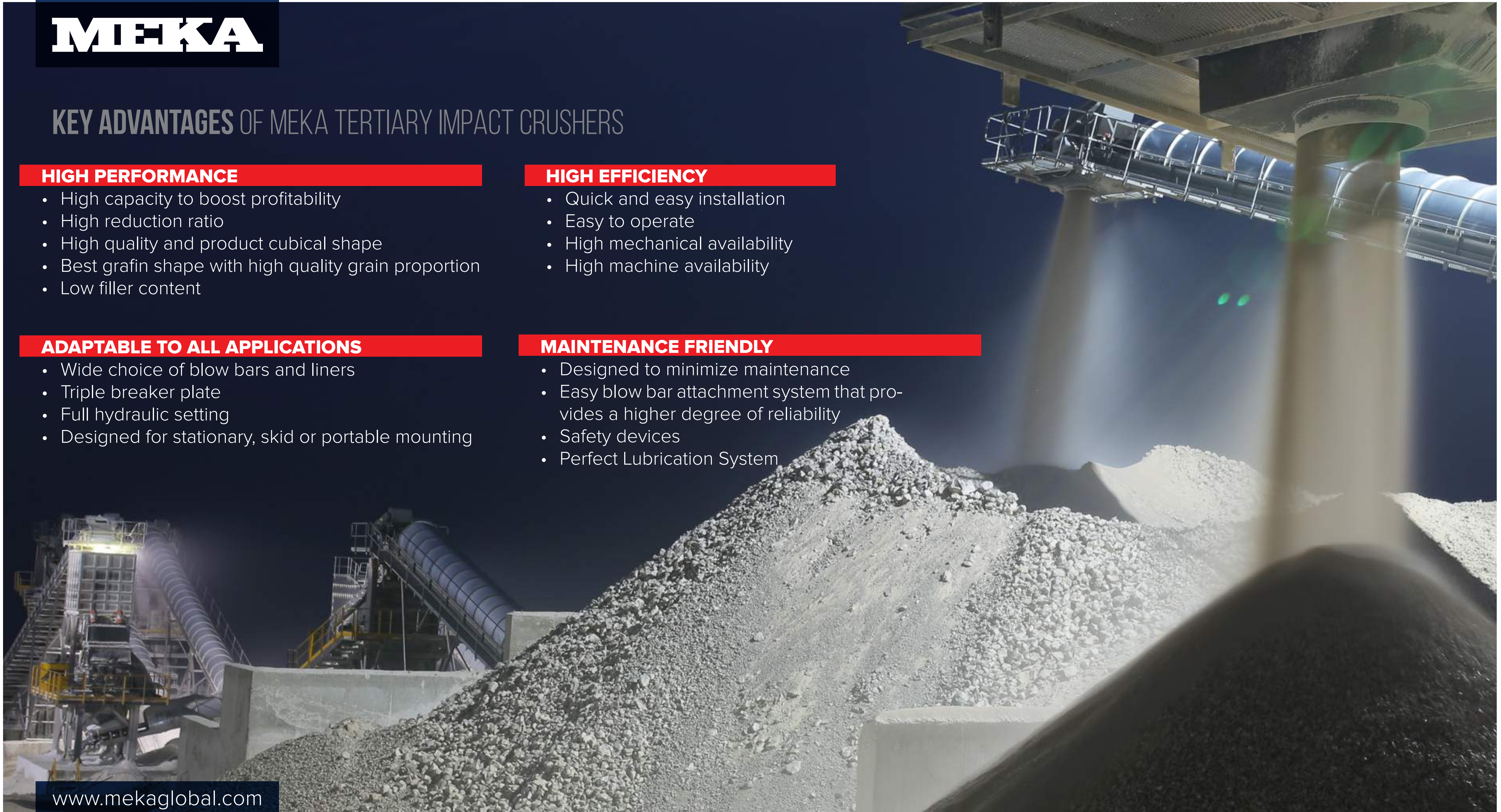
- Wide choice of blow bars and liners
- Triple breaker plate
- Full hydraulic setting
- Designed for stationary, skid or portable mounting

HIGH EFFICIENCY

- Quick and easy installation
- Easy to operate
- High mechanical availability
- High machine availability

MAINTENANCE FRIENDLY

- Designed to minimize maintenance
- Easy blow bar attachment system that provides a higher degree of reliability
- Safety devices
- Perfect Lubrication System



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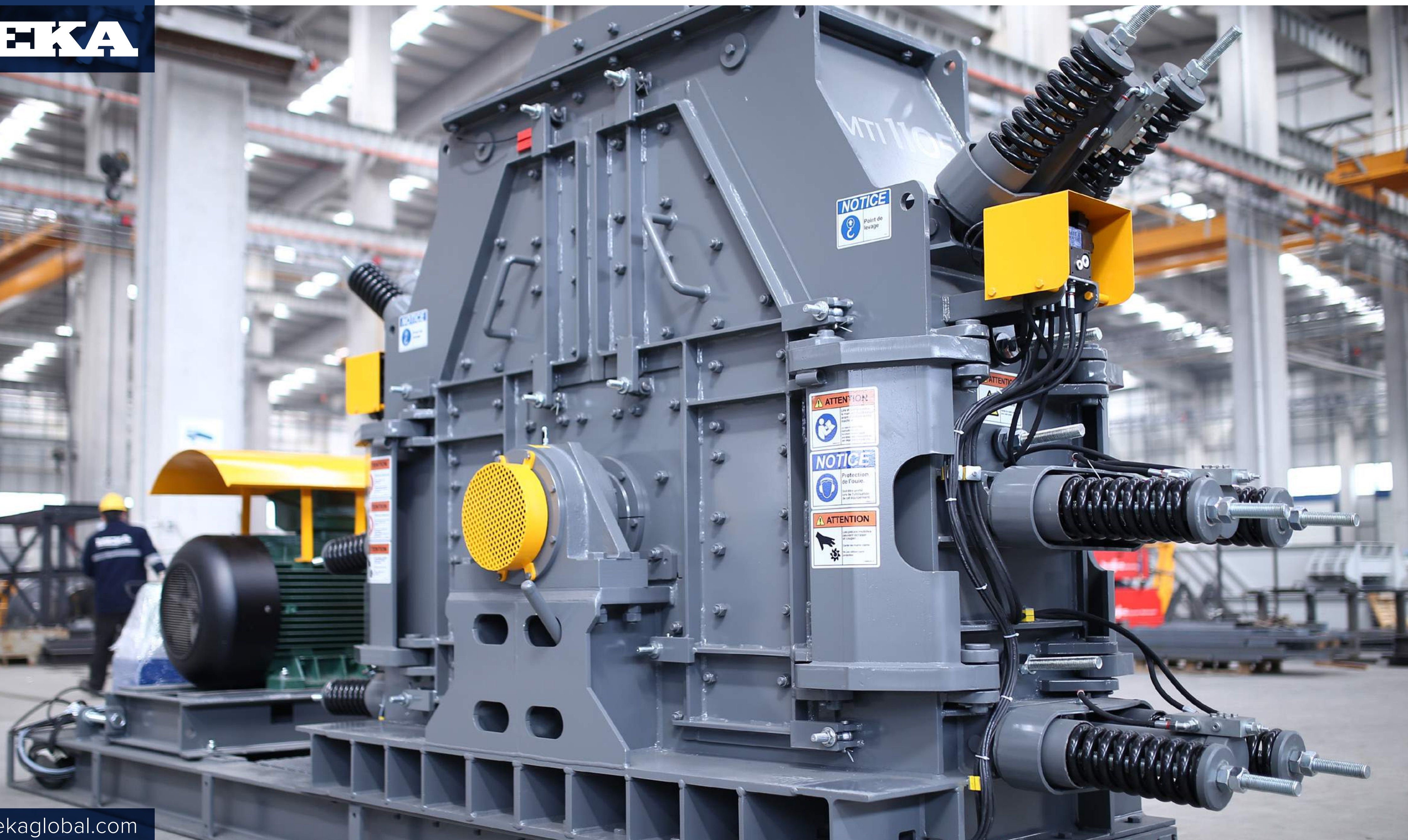
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WHO IS MEKA?

THE CHOICE OF PROFESSIONALS IN THE AGGREGATE PRODUCTION,
READY-MIX CONCRETE AND MINING INDUSTRIES



ESTABLISHED IN 1987

We have 32 years of experience
and the passion of the first day.



focused on manufacturing of

CONCRETE PLANTS AND CRUSHING & SCREENING EQUIPMENT



MANUFACTURING CAPACITY

600 Crushing Screening Equipment
200 Concrete Batching Plant / year



EXPERT ENGINEERING

Highly experienced engineers
within Meka work to design
machines that are
the most suitable
for our clients' needs.



MANUFACTURING FACILITIES

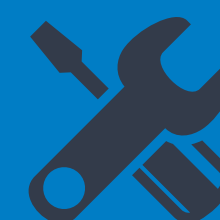
4 technological facilities
provide a total production area
of 75.000 m².

- 5.000 m² closed area in Ostim -ANKARA
- 18.000 m² in Temelli1 -ANKARA
- 22.000 m² in Temelli2 -ANKARA
- 30.000 m² in Eskişehir



WE PROVIDE A COMPLETE SCOPE OF SERVICES SUCH AS

- identifying customer's needs,
- project planning,
- design,
- engineering,
- manufacturing,
- quality control, commissioning,
- personnel training and
- after-sales support.



SERVICE STAYS FOREVER

MEKA supervisors are ready
to be on your site within the
shortest possible time.

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MEKA Global is a prominent manufacturer of crushing&screening and wet processing equipment and engineering solutions to aggregate production, mining, cement and ready mix concrete industries all over the World.

We are based in Ankara (Turkey) and currently we are providing industrial services and products to customers in more than 80 countries including USA, Russia, Chile, England, Poland, Estonia, Romania, Bulgaria, Serbia, Kosovo, Bahrain, Kuwait, Qatar, UAE, Oman, Lebanon, Iraq, Iran, Jordan, Syria, Saudi Arabia, Yemen, Algeria, Sudan, Morocco, Bangladesh, Cameroon, Libya, Burkina Faso, Uganda, Nigeria, Ethiopia, Kazakhstan, Ukraine, Georgia, France, Tajikistan, Azerbaijan, Austria, Afghanistan etc

Experienced MEKA engineering team with excellent engineering background provide cost-effective and efficient products and solutions to our customers.

MEKA Global also manufacturing and supply spare parts including jaws, concaves, mantles, blow bars, piano wires, punch plate, mesh, polyurethane mats, springs, couplings, bearings, filters, rollers, hydraulic pumps/motors, gearboxes, valves, wear parts, engine parts, cushion and skirting rubber to suit a whole range of other OEM crushers and screeners.



MEKA PROVIDES QUALITY SPARE PARTS AND EXCELLENCE SERVICE FOR CONTINUOUS PRODUCTION AND PERFORMANCE

www.mekaglobal.com



JUST IN TIME

As we are aware that our customers are in need of non-stop production anytime and anywhere, we not only deliver quality parts for continuous performance but also maintain a sales network entire world. As a result, you can always rely on MEKA Global.

MEKA can deliver the spare parts in crushing&screening, cement and mining industries including electrical, mechanical and electronic components, anywhere in the world and just in time in a very short deliver time.



MEKA

THE CHOICE OF PROFESSIONALS
IN THE AGGREGATE PRODUCTION,
READY-MIX CONCRETE AND MINING INDUSTRIES

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