

MTI SERIES

TERTIARY IMPACT CRUSHERS



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

FOR THE PRODUCTION OF HIGH GRADE CONCRETE AND ASPHALT AGGREGATE

MEKA Tertiary Impact Crushers are available in different rotor sizes and the required motor power is selected according to the application. These features make the crushers ideal for many different applications. From low abrasive materials to industrial applications and recycling, MTI Series crushers have proven their effectiveness in many tasks. Tertiary impact crushers are a type of crusher that works on the impact force principle and are used in the third stage of the crushing process for soft, non-abrasive or less abrasive materials. The symmetrical crushing chamber allows more efficient utilization of wear parts.

The rotors can operate in both directions, which makes it possible to change the direction of the rotor when one side of the blowbars are worn, reducing inventory costs. The high inertia rotor provides stability in the crushing process, reducing energy consumption and improving long-term performance. It produces high-quality and cubic-shaped products from soft materials such as limestone. Furthermore, thanks to the rotor and crushing chamber design, the feed size can be up to 150 mm and operating costs can be reduced through superior wear resistance.

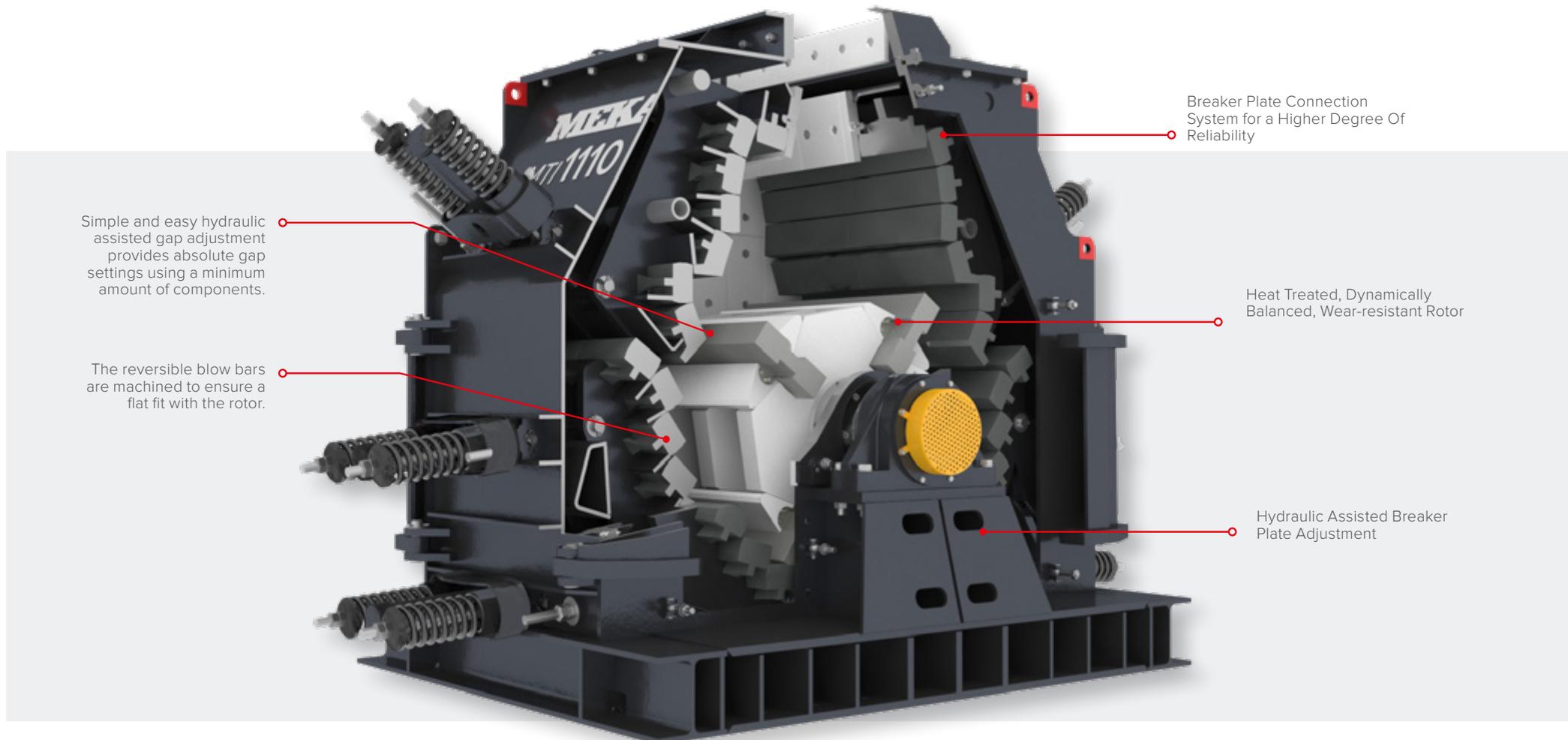


READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL

MEKA

MTI SERIES

TERTIARY IMPACT CRUSHERS



Simple and easy hydraulic assisted gap adjustment provides absolute gap settings using a minimum amount of components.

The reversible blow bars are machined to ensure a flat fit with the rotor.

Breaker Plate Connection System for a Higher Degree Of Reliability

Heat Treated, Dynamically Balanced, Wear-resistant Rotor

Hydraulic Assisted Breaker Plate Adjustment



SCAN OR CLICK QR CODE TO WATCH
THE MEKA TERTIARY IMPACT
CRUSHER ANIMATION



SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA
TERTIARY IMPACT CRUSHER ARE USED

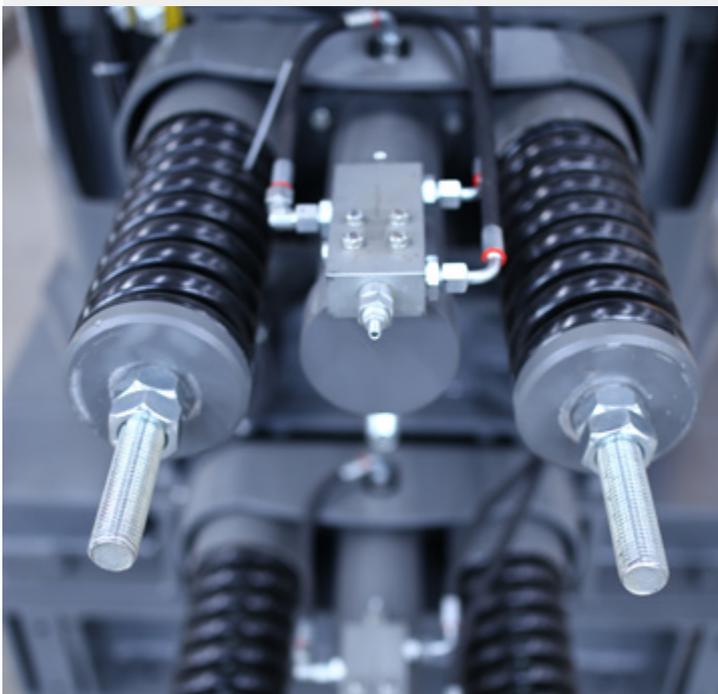
WHY MEKA TERTIARY IMPACT CRUSHER?

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.

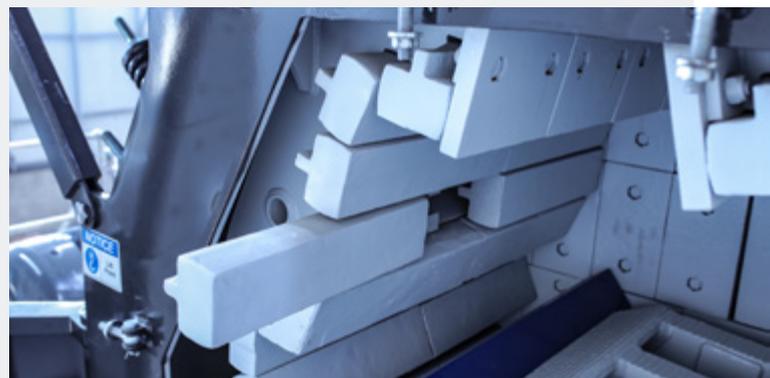
BREAKER PLATES AND GAP SETTING

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.



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.



WHY MEKA TERTIARY IMPACT CRUSHER?

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.

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.

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.



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.

TECHNICAL SPECIFICATIONS



SPECIFICATIONS

	MTI 1105	MTI 1110	MTI 1115
Rotor Diameter	1100 mm	1100 mm	1100 mm
	43"	43"	43"
Rotor Width	500 mm	1000 mm	1500 mm
	20"	39"	59"
Feed Opening	520 x 310 mm	1020 x 310 mm	1520 x 310 mm
	20" X 12"	40" X 12"	60" X 12"
Maximum Feed Size	150 mm	150 mm	150 mm
	6"	6"	6"
*Capacity	100 - 120 mtph	220 - 250 mtph	280 - 320 mtph
	110 - 130 stph	240 - 275 stph	310 - 350 stph
Power	110 kW	200 - 250 kW	315 kW
	150 HP	275 - 340 HP	430 HP
**Weight	8750	14000 kg	17470 kg
	19290 lbs	30860 lbs	38510 lbs

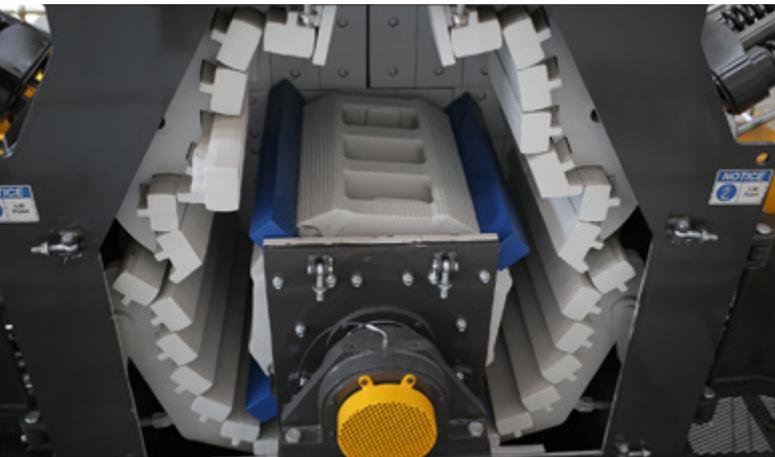
	MTI 1307	MTI 1314
Rotor Diameter	1286 mm	1286 mm
	51"	51"
Rotor Width	655 mm	1355 mm
	26"	53"
Feed Opening	690 x 210 mm	1390 x 210 mm
	41" X 22"	55" X 8"
Maximum Feed Size	90 mm	90 mm
	3,6"	3,6"
Power	90 - 132 kW	160 - 250 kW
	125 - 180 HP	220 - 340 HP
**Weight	8400 kg	13480 kg
	18520 lbs	29720 lbs
*Capacity	100 - 120 mtph	220 - 250 mtph
	110 - 130 stph	240 - 275 stph

*For material weighing 1.6 t/m³ or 100 lbs/ft³.

Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.

** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.

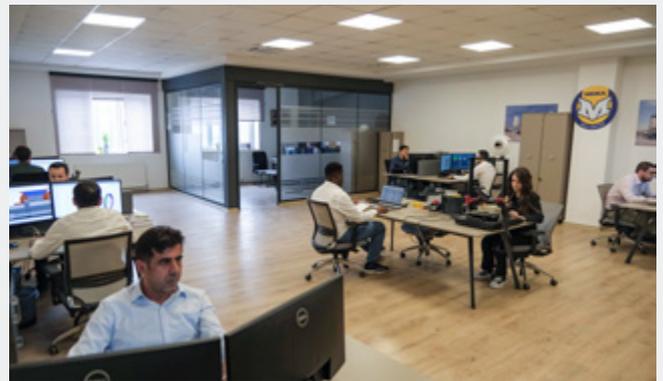
TRUSTED BRAND
IN MORE THAN
38 YEARS



THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: **MEKA**

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.





Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries



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