

MEKA

MJ SERIES JAW CRUSHERS

BUILT FOR TOUGH JOBS

MEKA GLOBAL is reliable equipment manufacturer and supplier of spare parts and service to aggregate production, mining and associated crushing industries more than 90 countries.

www.mekaglobal.com



MEKA JAW CRUSHERS

Single Toggle MEKA Jaw Crusher is designed for applications where cost-efficient primary reduction of hard, abrasive materials is concerned. Representing the highest technical and manufacturing knowledge, our heavy duty crushers match the most arduous crushing conditions encountered. These rugged crushers are manufactured with heavy duty parts for constant operation and long life, resulting in:

- High capacity
- High reduction
- Low jaw plate wear
- Large feed acceptance capability

The design of the deep crushing chamber maximizes feed size, capacity and reduction. Large material lumps entering the crusher fall straight into the active region of the crushing chamber.

An optimized nip angle ensures that the material progresses smoothly down through the crushing chamber to enable high reduction, productivity and superb utilization of jaw plates. This, combined with high-quality cast steel components and premium spherical roller bearings, means exceptionally high crusher availability, cost-efficient crushing and low cost per ton.

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SOME APPLICATIONS FOR MEKA JAW CRUSHER

MEKA highly versatile jaw crushers offer reliable operation and adaptability in mining, quarrying and recycling.

Typical applications for jaw crushers are;

- Ore Mining
- Rock Quarries
- Sand and Gravel
- Construction aggregates
- Recycled concrete (concrete, asphalt, etc.)
- Industrial Applications (slag, anodes, metallurgy, chemical industries etc.)

BENEFITS AND FEATURES

Main Frame Heavy, fully welded stress relieved.

Pitman Cast steel and precision machined,
Can be removed from the frame as an assembly,
Large diameter forged alloy steel eccentric shaft,
Self aligning spherical roller bearings,
Grease-purged labyrinth dust seals,
Balanced flywheel and drive pulley,
Machined jaw-face locations

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BASIC FEATURES OF MEKA JAW CRUSHER

Large diameter, heavy flywheels provide the necessary inertia for crushing while minimizing vibration

Common right hand and left hand side liners made of alloy steel for long service life

Quick and easy installation of jaw plates by using clamping wedges to fix the jaw plates to the crusher.

Jaw plates specifically designed and selected for each application are resistant to wear and impact

Solid cast steel pitman insures highest strength while reducing weight

Toggle seat geometry maintains optimum toggle angle at any crusher setting

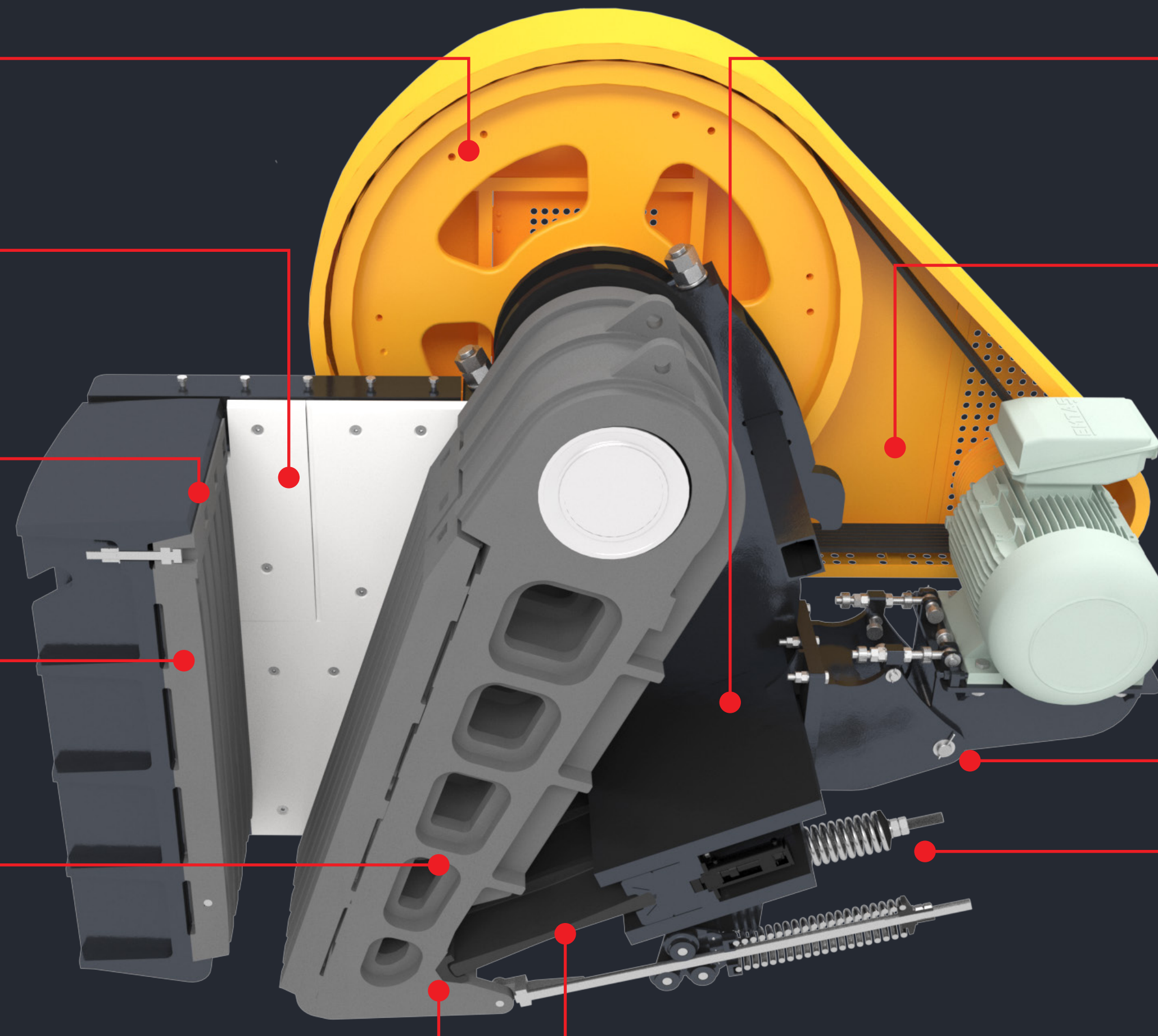
Heavy-duty, MIG welded, stress relieved, high strength steel frame withstands the constant pressures of crushing

Compact and service friendly flywheel guards

Integral motor base is mounted on the main frame of the crusher, thereby reducing the need for space and excessively long v-belts.

Long stroke tension springs minimize adjustments and maintain proper toggle pre-load, preventing premature toggle seat wear

Steep angle toggle plate allows the necessary aggressive crushing motion in the lower chamber



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BENEFITS AND FEATURES OF MEKA JAW CRUSHER

HEAVY, FULLY WELDED STRESS RELIEVED MAIN FRAME

The frame consists of two side plates of low carbon steel plate, reinforced with ribs, plus hollow castings at front frame end and moving jaw which give a high rigidity/weight ratio. Large-radius transition areas reduce stress concentrations and welds are positioned in low-stress areas.

Thermal stress relief and shot-blasting produces a solid one-piece unit and all mounting surfaces are fully machined accurately to align critical components.



BENEFITS AND FEATURES OF MEKA JAW CRUSHER

CAST STEEL AND PRECISION MACHINED **PITMAN**

The pitman is made of high-quality cast steel and is propelled by two massive cast steel or iron flywheels. A very large eccentric shaft and four large spherical roller bearings ensure the greatest reliability even under the most severe crushing conditions. The grease-lubricated bearings are kept free from contamination by means of well-proven labyrinth seals. Cast steel pitman is designed for easy maintenance and can be removed from the frame as an assembly.

FLYWHEEL

Large diameter, heavy flywheels provide the necessary inertia for crushing the hardest of materials while minimizing vibration resulting in smooth running operation. Flywheel hubs of our jaw crushers are equipped with special locking assembly which connects flywheels to the eccentric shaft. This system ensures that the flywheel is held safely and tightly on the shaft. This feature is important as the crusher has to be brought into operation under load, resulting from unforeseen stoppages.



BENEFITS AND FEATURES OF MEKA JAW CRUSHER

MAIN SHAFT

Forged from hardened and tempered alloy steel (chrome-moly-nickel) with particularly large diameters to suit heavy-duty applications, and can withstand extreme temperatures. High fatigue resistance due to a fine finish and the elimination of screw threads and sharp radii which can contribute to stress concentrations.

BEARINGS

MEKA jaw crushers incorporate large and sturdy eccentric shaft bearings. Their high load bearing capacity and effective labyrinth seals result in considerably long bearing lifetimes.

Heavy duty self aligning double row roller bearings on both pitman and main frame absorb the side thrust and heavy radial loads without damage to themselves or the shaft, assuring pitman guidance and constant shaft alignment.



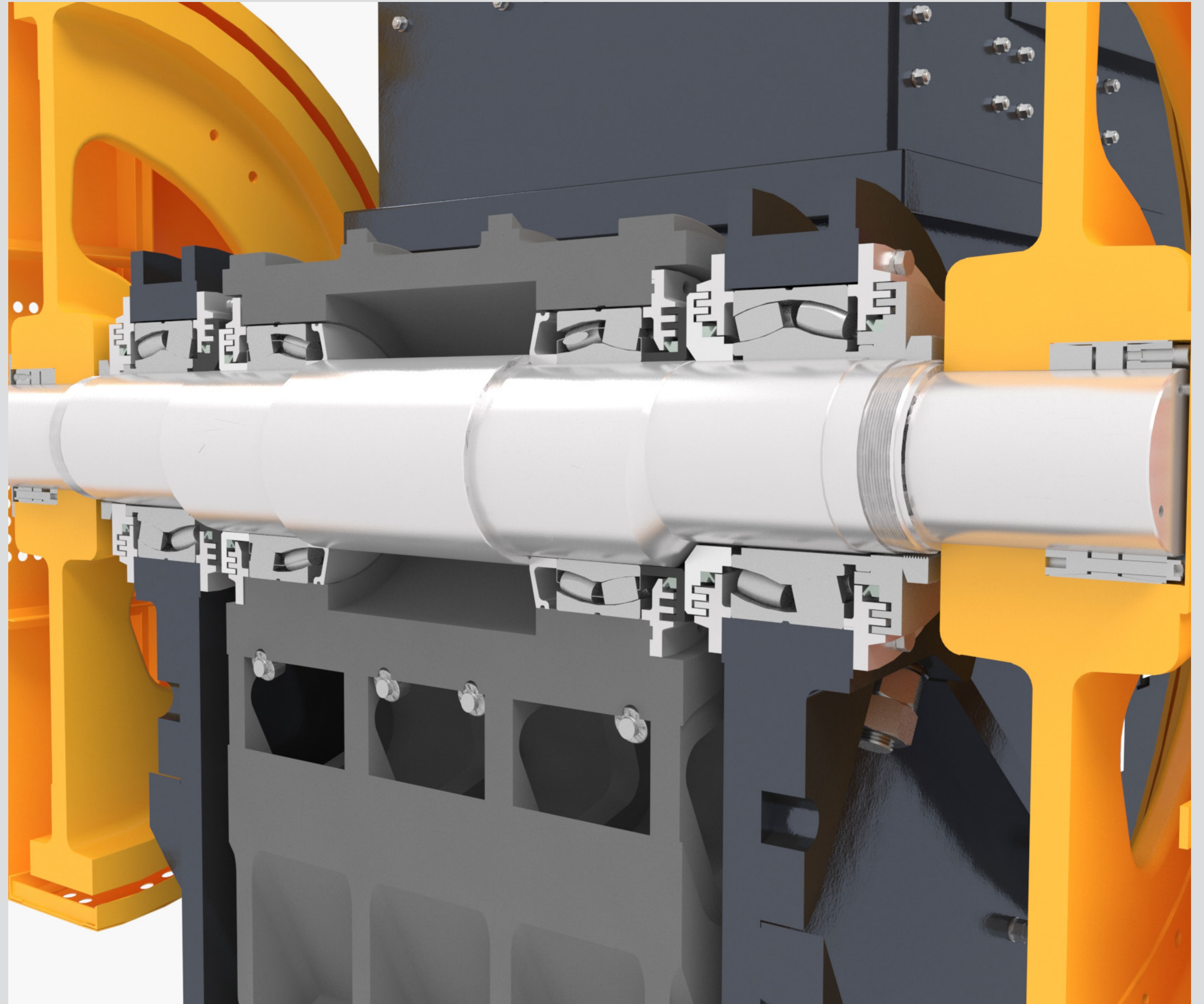
BENEFITS AND FEATURES OF MEKA JAW CRUSHER

BEARINGS

Bearings are grease-lubricated and have grease-filled labyrinth dust seals to protect the bearings from dust and water.

As a standard, automatic lubrication system with a central distribution block and lubrication hoses offer safety value and make it easier for the operator to grease the bearings.

The single piece cast steel frame bearing housings ensure a perfect fit to the crusher frame. They also prevent unnecessary loads to the frame bearings. Side bearings are mounted in removable housings for easier maintenance possible in a clean environment to protect bearings from contamination.



BENEFITS AND FEATURES OF MEKA JAW CRUSHER

JAWS

Jaw plates are designed to give high performance and low operating costs. High quality material and experienced design ensure quality parts. Back faces of all jaw plates are machine ground to provide firm support and are fully reversible.

Quick and easy installation of jaw plates is achieved by using clamping wedges to fix the jaw plates to the crusher.

Jaw plates specifically designed and selected for each application are resistant to wear and impact. Fine tuning in applications are ensured through the available range of alternative jaw plate designs. The tooth profiles as well as the thickness of the plates are optimized and combined with the right manganese steel alloys to maximize throughput and minimize operating costs.



BENEFITS AND FEATURES OF MEKA JAW CRUSHER

TOGGLE

The optimal-angle toggle plate generates extra crushing force and at the same time provides security for the drive system. This type of toggle system has the following advantages;

- No lubrication whatsoever is required,
- The system can handle far greater crushing pressures,
- The life factor of toggle and seats is many times greater

ADJUSTMENT

MEKA jaw crushers are equipped with hydraulic assisted adjustment mechanism. This system facilitates easy and fast adjustment of discharge setting according to the required product curve. Adjustment of the discharge setting may be done by inserting or removing of adequate number and thickness of shim plates. The movement of the adjustment block is achieved by means of a hand operated hydraulic pump.



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MEKA JAW CRUSHERS
ARE ENGINEERED FOR
TROUBLE-FREE OPERATION

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ROBUST FRAME DESIGN

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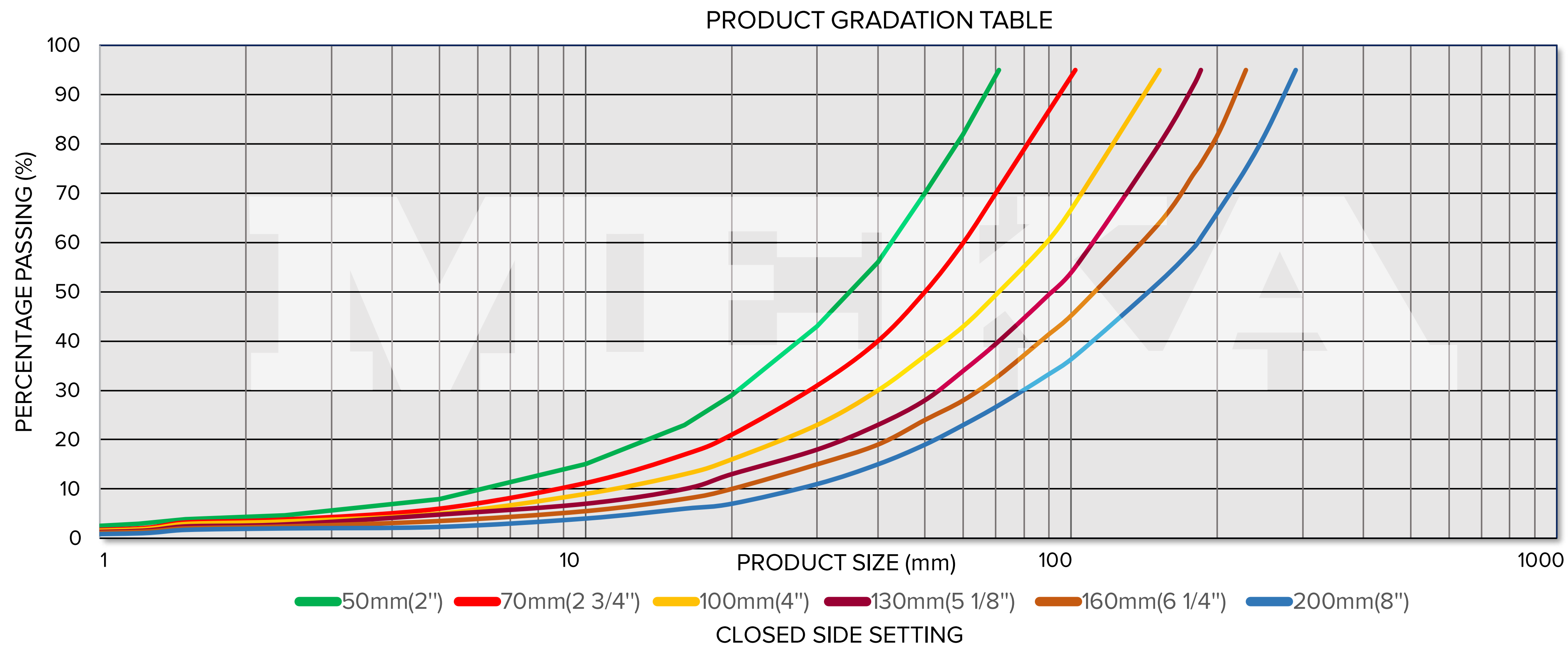
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MEKA JAW CRUSHERS SPECIFICATIONS

		PRIMARY					SECONDARY	
		MJ 60	MJ 65	MJ 90	MJ 110	MJ 130	MJS 90	MJS 110
Feed Opening	mm	610x380	650x500	900x650	1100x850	1300x1000	900x200	1100x350
	inch	24x15	26x20	36x24	43x33	51x39	35x8	43x14
CSS (Min - Max)	mm	40-150	40-150	60-200	100-200	125-250	25-75	25-125
	inch	1.6-6	1.6-6	2.4-8	4-8	5-10	1-3	1-5
Motor Power	kW	30	45	75	132	160	30	75
	HP	40	60	100	180	220	40	100
Crusher Speed	rpm	330	330	293	228	210	330	330
Capacity	mtph	20-110	30-120	50-250	100-300	275-600	20-110	110-220
	stph	22-120	33-132	55-275	110-330	302-660	22-120	120-242
Weight	kg	6000	7000	11400	33000	43000	6000	11000
	lbs	13200	15400	25100	72800	94800	13200	24300

>> Results may vary depending on feed material gradation, density, moisture content, friability and crushing application.

MEKA JAW CRUSHERS PRODUCT GRADATION TABLE



Results may vary depending on feed material gradation, density, moisture content, friability and crushing application.

WHO IS MEKA?

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



ESTABLISHED IN 1987

We have over 33 years of experience
and the passion of the first day.

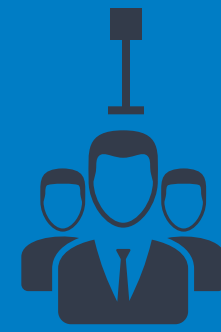


focused on manufacturing of
**CONCRETE PLANTS AND
CRUSHING & SCREENING
EQUIPMENT**



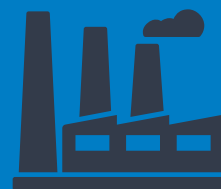
MANUFACTURING CAPACITY

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

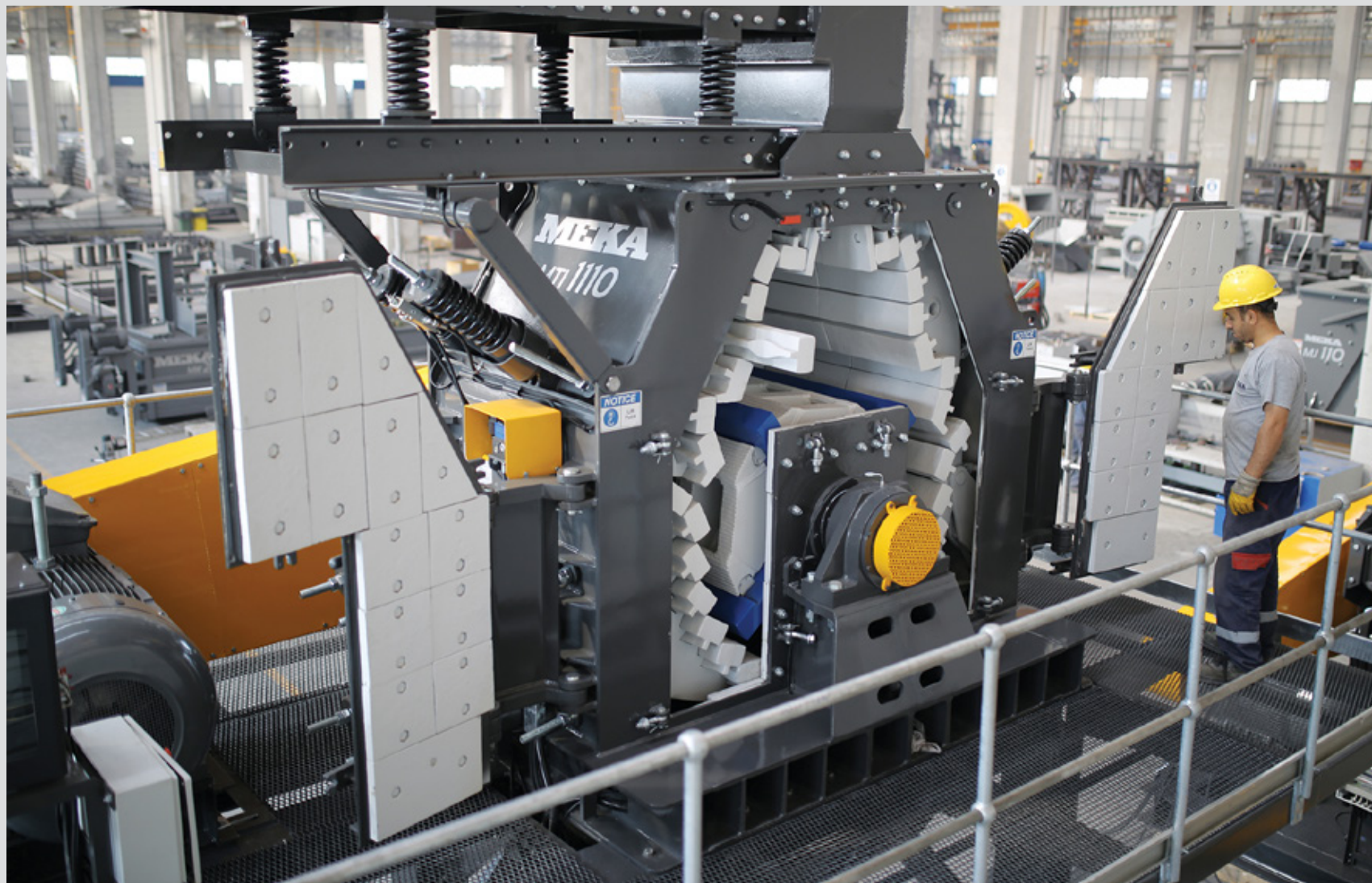
- identifying customer's needs,
- project planning,
- design,
- engineering,
- manufacturing,
- quality control, commissioning,
- personnel training and
- after-sales support.



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.

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

MEKA

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.



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MEKA

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

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