

MJ SERIES

JAW CRUSHERS



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

HEAVY-DUTY JAW CRUSHERS UNMATCHED RELIABILITY AND PERFORMANCE

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

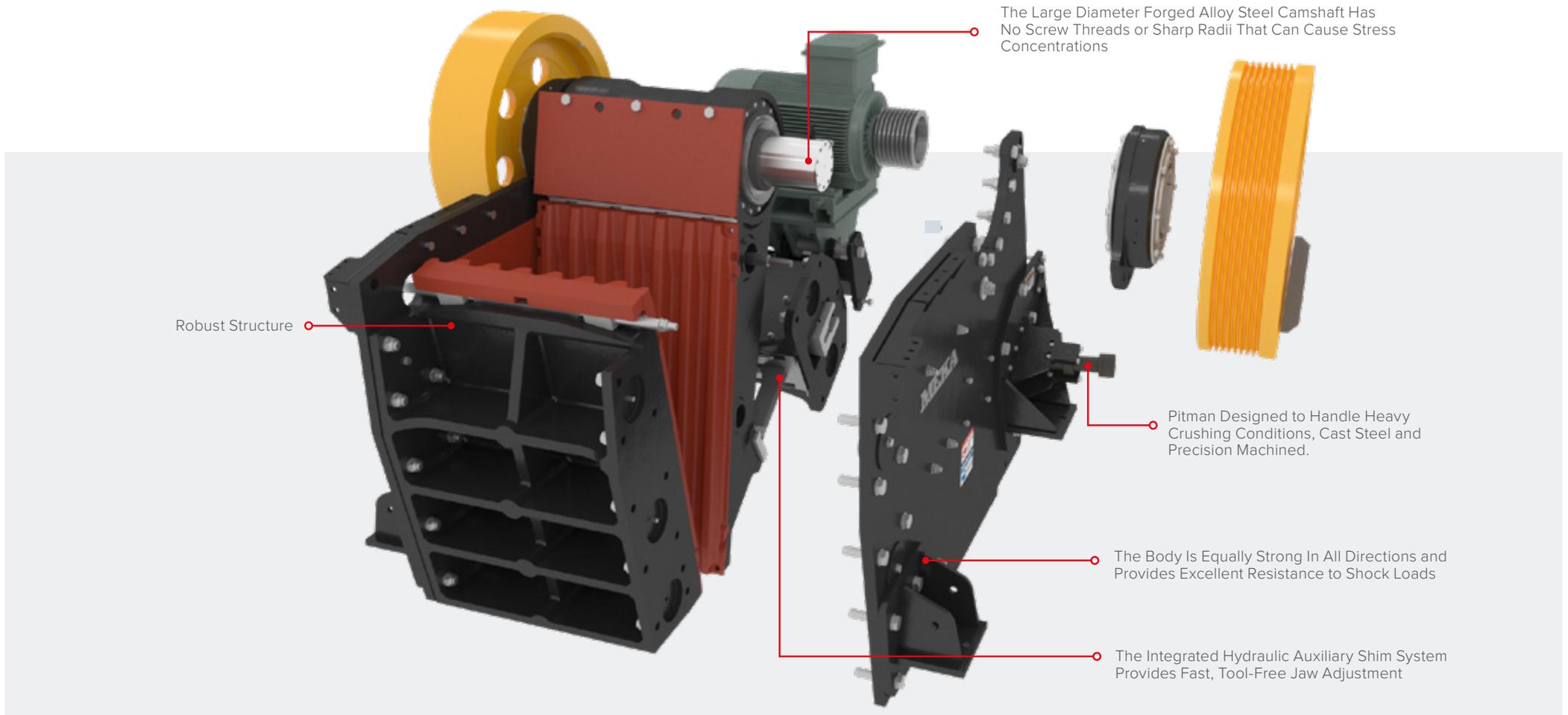
The design of the deep crushing chamber maximizes feed size, capacity and reduction. Large material lumps entering the crusher fall straight into the active region of the crushing chamber.

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. 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.)



READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA JAW CRUSHER
ANIMATION



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

WHY MEKA JAW CRUSHER?

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.

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.



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.



WHY MEKA JAW CRUSHER?

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.

Bearings are grease-lubricated and have greasefilled 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.



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.



WHY 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.



TOGGLE PLATE

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.

TECHNICAL SPECIFICATIONS



SPECIFICATIONS

Model		MJ 60	MJ 65	MJ 70	MJ 90	MJ 110	MJ 130	MJ 110C	MJ 120C	MJ 150C	MJS 90	MJS 110
Feed Opening	mm	610 x 380	650 x 500	700 x 400	900 x 650	1100 x 850	1300 x 1000	1070 x 770	1200 x 870	1400 x 1200	900 x 200	1100 x 350
	inch	24 x 15	25,6 x 19,6	27,6 x 15,7	35,4 x 25,6	43,3 x 33,5	51,2 x 39,4	42,1 x 30,3	34 x 47	55 x 47	35,4 x 8	43,3 x 13,8
CSS (Min - Max Setting)	mm	40 - 150	40 - 150	30-100	60 - 150	100 - 200	125 - 250	75 - 210	70 - 175	125 - 250	25-75	25-100
	inch	1,57-5,9	1,57-5,9	1,18 - 3,93	2,4 - 5,9	3,9 - 7,9	4,9 - 9,8	2,9 - 8,2	2,75 - 6,9	4,9 - 9,9	1-2,9	1-3,9
*Capacity	mtph	20 - 80	25 - 100	25 - 110	50 - 200	100 - 300	275 - 600	135 - 340	175 - 595	340 - 970	10-80	40-200
	stph	22 - 88	27 - 110	27 - 121	55 - 220	110 - 330	303 - 661	148 - 374	192 - 655	374 - 1069	11 - 88	44 - 220
Power	kW	30	45	45	75	132	160	110	160	200	30	75
	Hp	40	60	60	100	180	220	150	200	300	40	100
**Weight	kg	6000	7000	4200	11400	33000	43000	19000	27990	55400	6000	11000
	lbs	13228	15432	9259	25132	72752	94798	41887	61710	122136	13228	24250

*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.

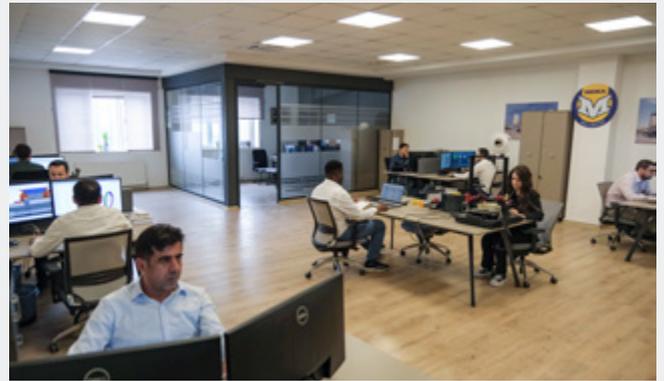
TRUSTED BRAND
IN MORE THAN
38 YEARS



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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