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.

www.mekaglobal.com
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 Querries
- 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

www.mekaglobal.com
BASIC FEATURES of MEKA JAW 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.
- Quick and easy installation of jaw plates by using clamping wedges to fix the jaw plates to the crusher.
- Common right hand and left hand side liners made of alloy steel for long service life.
- Large diameter, heavy flywheels provide the necessary inertia for crushing while minimizing vibration.
- 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.
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.
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.
MEKA JAW CRUSHERS ARE ENGINEERED FOR TROUBLE-FREE OPERATION
# MEKA JAW CRUSHERS Specifications

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

>> 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 Temeli1 - ANKARA
- 22,000 m² in Temeli2 - 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.

www.mekaglobal.com
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
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 delivery time.