

MCS/MCH SERIES

CONE CRUSHERS



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA
www.mekaglobal.com

HIGH PERFORMANCE LOW PRODUCTION COST

MEKA Cone Crushers are designed to deliver the highest performance with a unique combination of high crushing force and eccentric motion to maximize your return on investment. Designed to deliver robust and reliable results, these crushers have a vertical crushing chamber and a wide crushing stroke that crushes materials together to produce finer products.

Cone crushers are types of crushers that work by crushing stone to stone with the principle of compression and are generally preferred in the second, third or fourth stages of the crushing process, especially for crushing hard and abrasive materials. In the cone crusher, the crushing process is realized by compressing between the mantle on the main shaft and the concave on the upper body.

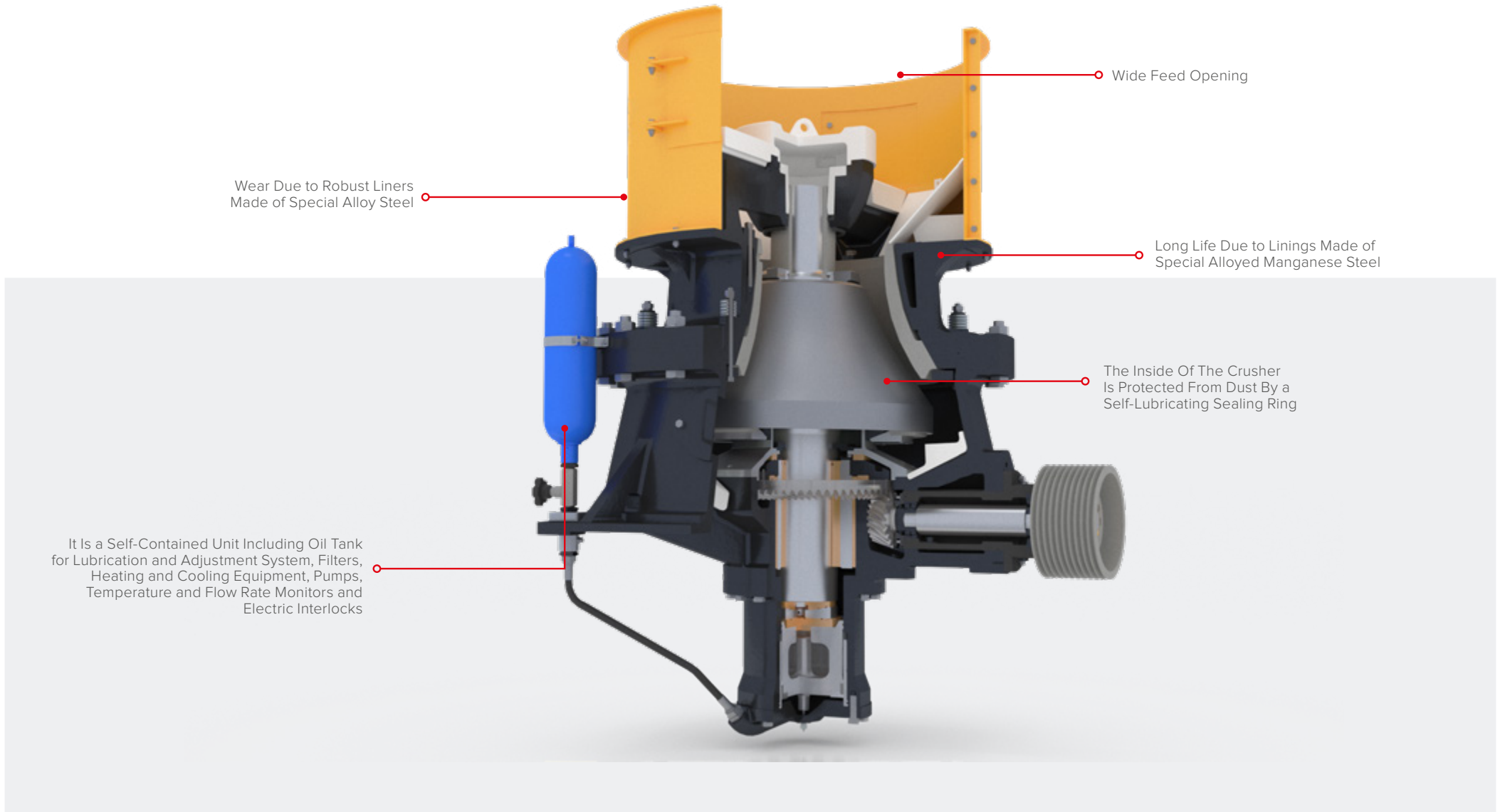
Thanks to the eccentric bushing, the main shaft makes an eccentric movement, causing the distance between the mantle and concave to narrow and expand. As a result of this movement, the materials fed between the mantle and concave are crushed.

Thanks to its robust design, MEKA Cone Crushers provide the necessary power and stability for crushing extra hard materials. The design offers low maintenance costs and the crusher outlet opening (CSS setting) can be easily adjusted on the PLC screen. It is also equipped with an automatic overload protection system. With different eccentric value options, product curve change and capacity optimization can be done easily. Hardened, spiral shaped bevel gears provide quiet operation.



READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL

MEKA
MCS/MCH SERIES
CONE CRUSHER



WHY MEKA CONE CRUSHER?

ADVANCED TECHNOLOGY

- * Several crusher chamber designs makes the crushers to be easily matched to changes in production by the proper selection of crushing chamber and eccentric throw.
- * With the optimized design of crushing chambers, the production capacity and gradation can basically be kept consistent throughout the liner's lifespan.
- * The safe and reliable hydraulic system effectively provides iron tramp or overload protection.
- * Transmission efficiency and low noise are achieved through a unique bevel gear set design and an excellent internal structure.

HIGH PERFORMANCE AND HIGH RELIABILITY

Advanced Finite Element Analysis (FEA) combined with computer simulation casting software ensures high strength and high quality of casting components.

The latest research achievements in fields such as crushing technology, hydraulic technology and computer control technology are adopted to ensure that the MCH/MCS Series Single Cylinder Hydraulic Cone Crusher can adapt to various harsh application conditions and characteristics of different minerals.to protect it from possible damage.

ROBUST AND RELIABLE

Robust design crusher topshell and bottomshell structure with mainshaft supported by both the upper and lower ends, thus enabling to have better force conditions.

Casting advantages on topshell and bottomshell;

- High-quality steel adopted
- Casting quality guaranteed

Structure optimization on topshell and bottomshell;

- Frame structure optimized by finite element analysis,
- The horizontal and vertical stiffeners significantly strengthen the frame's strength and reduce the risk of frame cracking.

Mainshaft;

Material and process advantages of mainshaft

- Forged with high-quality high-grade alloy steel
- All forgings subject to strict and precise heat treatment, precision machining and flaw detection processes

HYDRAULIC SYSTEM

All key components and parts are internationally renowned brands. All pump units are installed horizontally, expanding internal space of the tank for ease of maintenance. Suitable for mining and aggregate plants at stationary installation.



TECHNICAL SPECIFICATIONS



SPECIFICATIONS

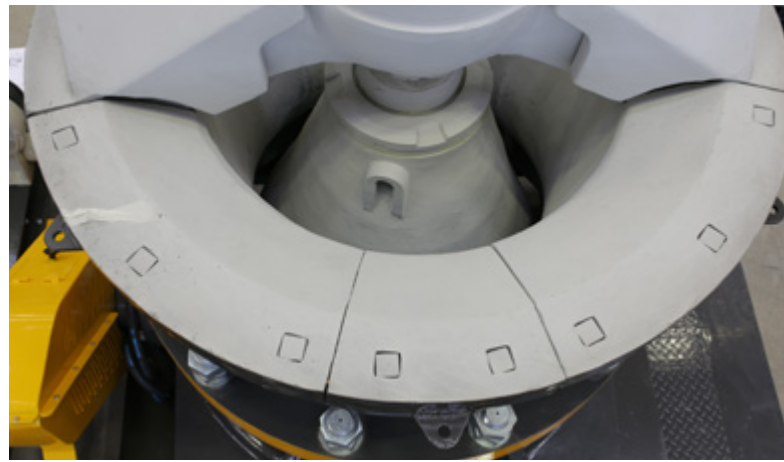
		MCS300	MCH300	MCH400
*Nominal Capacity	mtph	110-230	50-190	90-340
	stph	121-253	55-209	99-374
Motor Power	kW	132	132	250
	Hp	177	177	335
Max. feed size	mm	190-270	50-180	70-210
	inch	7,5-10,6	2-7,1	2,7-8,3
Concaves		EC, C, MC	EC, C, MC, MF, F	EC, C, MC, MF, F
CSS (Min - Max Setting)	mm	25-48	16-36	13-44
	inch	1-1,9	0,6-1,4	0,5-1,7
Eccentric throw range	mm	16-30	16-34	16-40
	inch	0,6-1,2	0,6-1,3	0,6-1,6
** Weight	kg	14100	11600	18200
	lbs	31085	25573	40124

*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.

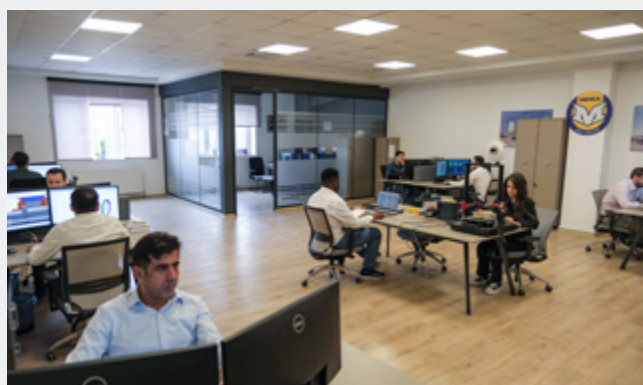
TRUSTED BRAND
IN MORE THAN
38 YEARS



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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