



# **MEKA** CRUSHERS

**BUILT TO LAST.  
BUILT TO CRUSH.**

*Reliable primary, secondary and tertiary crushing groups that have been designed and manufactured with precise engineering and first-class workmanship.*

Our crushers have been designed to fulfill the various requirements of stone quarries, mining facilities and industrial facilities. We offer a variety of sizes and styles in three different crushing groups—primary, secondary and tertiary—which are used to crush materials with dimensions up to 1000mm and vary depending on capacity, hardness and size of the material to be crushed. Designed according to advanced engineering concepts and manufactured with high-endurance quality material, first-class workmanship and equipment that simplifies operations (automatic lubrication, hydraulic adjustment systems, etc.), our crushers are proven to be robust and reliable.

## **JAW CRUSHERS**

## **PRIMARY IMPACT CRUSHERS**

## **SECONDARY IMPACT CRUSHERS\***

## **TERTIARY IMPACT CRUSHERS**

## **VERTICAL SHAFT IMPACT (VSI) CRUSHERS**

## **CONE CRUSHERS**

## **HAMMER CRUSHERS**

\* Secondary Impact Crushers are manufactured in 2 different designs of rotor and crushing chamber.

# MEKA JAW CRUSHERS

Jaw crushers reduce large rocks or ore by means of compression. Mechanical pressure is applied using the crusher's two jaws; one is fixed while the other reciprocates. There are also primary and secondary types of these crushers. Jaw crushers are one of the most commonly used crushers due to their ability to crush all kinds of materials of any hardness, as well as their low-cost operation and easy maintenance.



## Crushing Master



		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 PRIMARY IMPACT CRUSHERS

MEKA MPI crushers, offering high reduction ratios, reduced power consumption, easier and safer maintenance are the solution for operating conditions where output and productivity demands are increasingly stringent.

The strength of MPI crushers makes them ideal for diverse applications and configurations. These crushers can replace large jaw crushers and be fed with material blocks the size of their feed opening.



High performance for higher profitability



		MPI 1111	MPI 1114	MPI 1313	MPI 1515	MPI 1620
Rotor Diameter	mm	1100	1100	1300	1500	1600
	inch	43	43	51.2	59	63
Rotor Width	mm	1070	1400	1300	1500	2000
	inch	42	55	51.2	59	78.7
Maximum Feed Size	mm	600	600	900	1000	1300
	inch	24	24	36	40	52
Capacity	mtph	150-200	250-350	300-500	400-600	600-950
	stph	170-225	275-385	330-550	440-660	660-1040
Power	kW	160	200	250	315	400
	HP	220	270	340	428	544
Weight	kg	14500	17500	17800	21820	40500
	lbs	32000	38600	39160	48100	89300

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

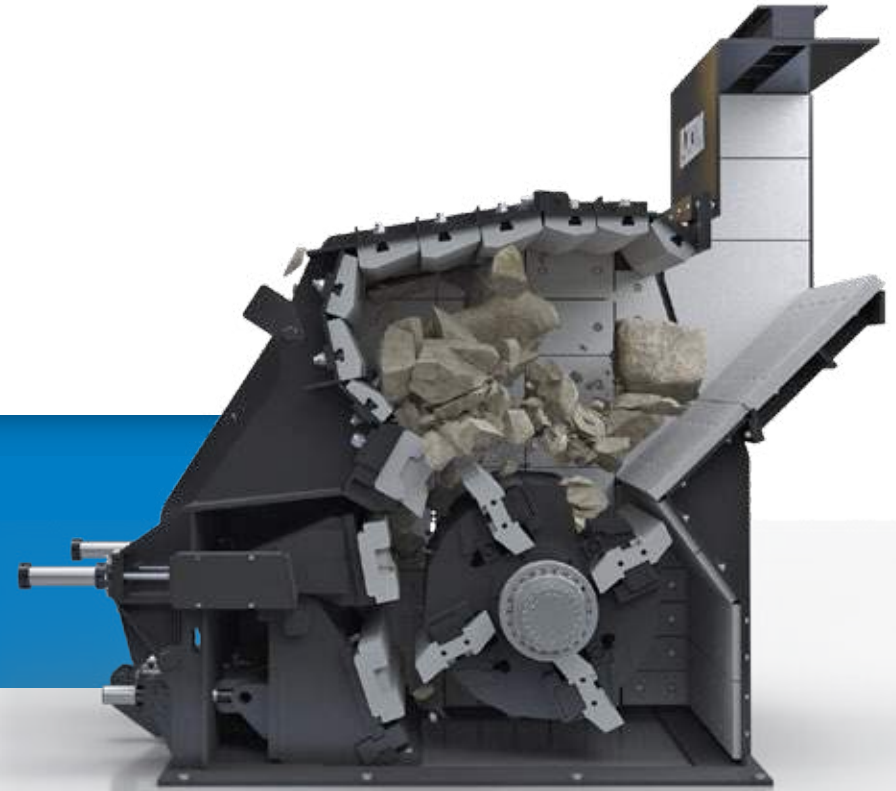
**MEKA**

# SECONDARY IMPACT CRUSHERS

With their high performance, high reduction percentages and perfect cubical-shaped final product, MEKA secondary impact crushers are a great economical solution for crushing both medium-hard and hard materials such as river gravel, limestone and dolomite. The grinding type of MSI series impact crushers provide a very competitive design for the asphalt recycling process.



Economical  
solutions for  
medium-hard  
and hard  
materials



		<b>MSIH 1110</b>	<b>MSIH 1112</b>	<b>MSIH 1115</b>
<b>Rotor Diameter</b>	mm	1120	1120	1120
	inch	44	44	44
<b>Rotor Width</b>	mm	1000	1200	1500
	inch	40	48	59
<b>Maximum Feed Size</b>	mm	300	300	300
	inch	12	12	12
<b>Capacity</b>	mtph	130-200	170-250	250-350
	stph	110-165	165-220	275-385
<b>Power</b>	kW	160	200	250-315
	HP	220	270	340-428
<b>Weight</b>	kg	17000	19000	21000
	lbs	37500	41900	46300

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

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# SECONDARY IMPACT CRUSHERS

MEKA Secondary impact crushers feature a unique combination of heavy rotor design, wear material and crushing chamber design. These features result in improving capacity, product quality and in reducing operating and wear costs.



Economical  
solutions  
for soft and  
medium-hard  
materials



		MSI 1210	MSI 1312	MSI 1315
Rotor Diameter	mm	1200	1300	1300
	inch	48	51.2	51.2
Rotor Width	mm	1000	1200	1500
	inch	40	48	59
Maximum Feed Size	mm	250	350	350
	inch	10	14	14
Capacity	mtph	100-150	150-250	250-350
	stph	110-165	165-220	275-385
Power	kW	132-160	200	250-315
	HP	180-220	270	340-428
Weight	kg	17500	23000	25000
	lbs	38600	50700	55100

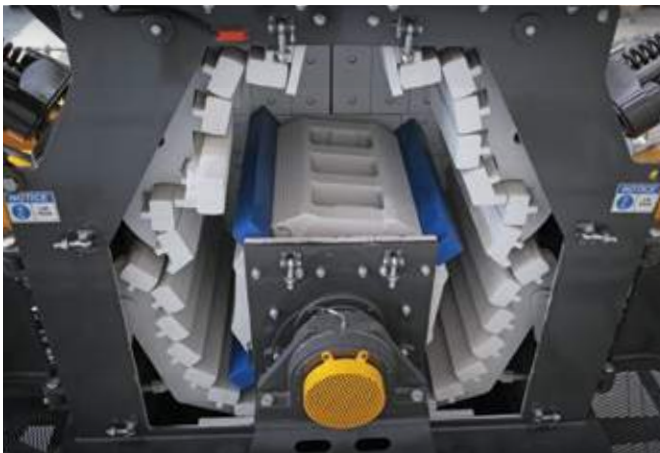
>> Results may vary depending on feed material gradation, density, moisture content, friability and crushing application.

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# TERTIARY IMPACT CRUSHERS

Designed for crushing soft and medium-hard materials with close grain distribution and good cubical shape ratios, tertiary impact crushers are an excellent solution in the production of fine aggregates for concrete and asphalt applications. Adjustable and interchangeable breaker plates enable grinding up to 50 percent with a durable rotor that can operate in both directions, lowering overall operational and inventory costs of the machine.

Excellence in production  
of fine aggregates for  
concrete and asphalt



		<b>MTI 1115</b>	<b>MTI 1110</b>	<b>MTI 1105</b>
<b>Rotor Diameter</b>	mm	1100	1100	1100
	inch	43	43	43
<b>Rotor Width</b>	mm	1500	1000	500
	inch	59	40	20
<b>Maximum Feed Size</b>	mm	150	150	150
	inch	6	6	6
<b>Capacity</b>	mtpg	280-320	220-250	100-120
	stph	310-350	240-280	110-130
<b>Power</b>	kW	315	200-250	110
	HP	428	270-340	150
<b>Weight</b>	kg	22850	18750	13500
	lbs	50377	41336	29762

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



# VERTICAL SHAFT IMPACT CRUSHERS

Vertical Shaft Impact (VSI) crushers are designed to be used in secondary, tertiary or quaternary stage crushing. These crushers are suitable for a wide range of applications including the production of high quality manufactured sand, well formed aggregates and industrial minerals. Crushers can also be used for shaping or removal of soft stone from aggregate.

Advanced alternatives with open table designs, multi-port rotor and large bearings are the main reasons for our crushers to provide high value solutions and deliver high performance.



	Maximum Feed Size		Power		Speed rpm	Max. Capacity		Weight	
	mm	inch	kW	HP		mtph	stph	kg	lbs
<b>MV 90 ROR</b> SINGLE DRIVE	50	2	200 250	270 340	800 - 1700 800 - 1700	200 250	220 275	10900 11200	23980 24640
<b>MV 90 ROR</b> DUAL DRIVE	50	2	2 X 110 2 X 132 2 X 160	2 X 150 2 X 180 2 X 220	800 - 1700 800 - 1700 800 - 1700	200 250 300	220 275 330	12200 12400 12600	26840 27280 27720
<b>MV 90 ROS</b> SINGLE DRIVE	50	2	200 250	270 340	800 - 1600 800 - 1600	200 250	220 275	13200 13500	29040 29700
<b>MV 90 ROS</b> DUAL DRIVE	50	2	2 X 110 2 X 132 2 X 160	2 X 150 2 X 180 2 X 220	800 - 1600 800 - 1600 800 - 1600	200 250 300	220 275 330	14300 14500 14700	31460 31900 32340
<b>MV 90 SOS</b> SINGLE DRIVE	75	3	200 250	270 340	800 - 1400 800 - 1400	200 250	220 275	13600 13900	29920 30580
<b>MV 90 SOS</b> DUAL DRIVE	75	3	2 X 200	2 X 270	800 - 1400	400	440	15600	34320

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





# MCH SERIES CONE CRUSHERS

Widely employed for crushing hard and abrasive materials in both the aggregate and mining industries, cone crushers have been used as primary, secondary and tertiary crushers for quite a long time. Designed especially for the hardest material, cone crushers are one of the best choices for crushing river gravel, basalt and granite, along with abrasive materials in the mining industry like iron, chrome, magnesite and copper ores. The robust design and high-grade cast steel body of our cone crushers provide the strength and stability necessary for crushing extra-hard materials while ensuring low maintenance costs.



Expert  
in crushing  
extra-hard materials

MCH Series;  
Three standard crushing  
chambers are available:  
**F: Fine**  
**M: Medium**  
**EC: Extra coarse**



		MCH 900			MCH 1150		
		EXTRA COARSE	MEDIUM	FINE	EXTRA COARSE	MEDIUM	FINE
Power	kW	90	90	90	200	200	200
	HP	125	125	125	270	270	270
Maximum Feed Size	mm	130	65	35	215	110	70
	inch	5.1	2.6	1.4	8.5	4.3	2.8
<b>Nominal Capacity in MTPH with Crusher Running at CSS</b>							
Square Hole	10 mm	-	-	50-60	-	-	50-170
	0.4 inch	-	-	55-66	-	-	55-190
16 mm	-	-	70-80	70-80	120-200	80-250	60-200
	0.6 inch	-	77-88	77-88	132-220	90-275	66-220
19 mm	90-100	80-90	-	120-250	90-250	70-220	
	0.75 inch	100-110	88-100	-	132-275	100-275	77-250
25 mm	110-120	-	-	110-280	100-320	80-260	
	1 inch	120-130	-	-	120-310	110-350	88-290
32 mm	120-130	-	-	150-320	-	-	
	1.3 inch	132-143	-	-	163-350	-	-

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



**MEKA**

# MCS SERIES CONE CRUSHERS



This type of cone crusher is suitable for high-capacity secondary crushing applications where a larger feed opening is required. Crusher has a larger intake capability and a high capacity in relation to its size.

Mainshaft is hydraulically supported at both ends and the crusher has a robust design. It's durable, reliable and productive machine which is designed to be easily serviced, so you can benefit from optimum levels of uptime.

Expert  
in crushing  
extra-hard materials

MCS Series; Three standard crushing chambers are available:

**M = Medium**

**C = Coarse**

**EC = Extra coarse**

		MCS 900			MCS 1150		
		EXTRA COARSE	COARSE	MEDIUM	EXTRA COARSE	COARSE	MEDIUM
<b>Power</b>	kW	90	90	90	200	200	200
	HP	125	125	125	270	270	270
<b>Maximum Feed Size</b>	mm	240	200	160	330	300	240
	inch	9.5	8	6.3	13	12	9.5
<b>Nominal Capacity in MTPH with Crusher Running at CSS</b>							
<b>Square Hole</b>	38 mm	-	-	-	270	250	240
	1.5 inch	-	-	-	300	275	260
	42 mm	-	-	120	290	270	260
	1.7 inch	-	-	130	320	300	285
	46 mm	-	155	150	305	290	280
	1.8 inch	-	170	165	330	320	310
	50 mm	175	165	-	320	310	-
	2 inch	190	180	-	350	340	-
	55 mm	195	-	-	360	-	-
	2.2 inch	210	-	-	390	-	-

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

# MEKA HAMMER CRUSHERS

Hammer crushers are employed for the fine crushing of medium-hard to soft materials. Due to their high level of flexibility, hammer crushers can be adapted to different operating conditions. The hinged sections are opened hydraulically. The mounted equipment, such as hammers and grates can be replaced easily, in order to achieve the targeted grain size.

Applications:

- Limestone and cement industries
- Quarries
- Gypsum industries

Effective and flexible fine crushing



		<b>MHC1014</b>	<b>MHC 1214</b>
<b>Rotor Diameter</b>	mm	1000	1200
	inch	40	47
<b>Rotor Width</b>	mm	1400	1400
	inch	55	55
<b>Throughput Capacity</b>	mtph	50-100	100-170
	stph	55-110	110-190
<b>Installed Power*</b>	kW	90-132	132-160
	HP	125-180	180-220
<b>Weight</b>	kg	7940	9690
	lbs	17500	21300

>> Values are variable and can be aligned to the particular requirements.