



# **MEKA**

## CRUSHING & SCREENING

[www.mekaglobal.com](http://www.mekaglobal.com)

# MEKA ABOUT MEKA



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*With more than 3,000 plants  
in over 80 countries on 5 continents,  
MEKA is helping to build a better world.*

#### **SERVING IN THE AGGREGATE AND CONCRETE PRODUCTION INDUSTRY**

MEKA was founded in 1987 in Ankara, Turkey, by a well-educated, visionary and enthusiastic team with the goal of providing professional engineering services and producing high-quality construction machinery.

#### **WHAT WE OFFER**

With an interest in crushing and screening from day one, MEKA continues to grow in the industry. In fact, MEKA has become one of the top global aggregates processing brands, thanks to the importance we attach to research and development and the increase of our production capacity during the 2000s.

#### **A RELIABLE PARTNER**

MEKA is Turkey's largest producer in its industry segment. We are able to pinpoint client needs, execute customised designs, and produce the best machines and plants for any environment. In addition, we provide worldwide personnel training and after-sales service with our unconditional client satisfaction promise.

With more than three decades of service to the industry, MEKA has become a recognized expert in its field. We aim for excellence in all our products and services, and we are proud to be known as a reliable partner by our clients.



# MEKA WHY MEKA?



# *The Choice of Professionals in the Aggregate Production, Ready-Mix Concrete and Mining Industries*

## **MEKA PROVIDES SOLUTIONS**

### ***Our Solutions Stem from Our Engineering Background***

MEKA is an experienced, industry-leading brand that crafts solutions based on in-depth research to build customize products. This quality has allowed us to become a global leader in our industry.

Since each client has different aggregate or concrete production requirements, geographical conditions, and land properties, we provide customized solutions by designing our products based on a needs analysis, often identifying vital factors that even the client wasn't aware of.

This is the reason why MEKA crushing and screening plants and concrete plants are preferred in regions with widely varying environmental and geographical conditions, such as England, Ecuador, Siberia, Chile, the Comoro Islands, Costa Rica, and Algeria.

## **RELIABLE & ROBUST EQUIPMENT**

### ***Robust, Special Components That Ensure Efficiency at Full Capacity***

The primary quality that sets our products apart as they operate under challenging conditions is durability. Our experienced engineers, technicians and welders collaborate closely in the engineering, design and production processes in order to produce top quality equipment that can operate without problems, unlike competitors' products. As such, our products can overcome challenges such as tough natural conditions, long working hours, and operation under high dynamic stress and heavy loads. Additionally, they can work reliably at maximum efficiency with low maintenance and operations costs for many years.







# FEEDERS

## PROPER FEEDING ENSURES EFFECTIVE CRUSHING

Precision-engineered, our feeders provide excellent performance in feeding material to crushers and screens, ensuring increased crushing performance and equally distributed abrasion. We offer several types of feeders, each specific to the type of material being fed: pan feeders with grizzly scalper for material with thin and dense sand rate, apron feeders for wet and viscous materials, grizzly feeders for coarse grained material produced in demolition and blasting, and pan feeders to be used in feeding bins in our complete solutions. Please take a look at our range of feeders with descriptions, advantages and technical details below.

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Grizzly Feeders  
Pan Feeders With Grizzly Scalper  
Pan Feeders

# MEKA GRIZZLY FEEDERS

## FOR YOUR HEAVIEST DUTIES WITH HIGH CAPACITY FEEDING AND SCALPING

MEKA grizzly feeders have been designed to excel in the harshest conditions and applications. High abrasion resistance, durable heat-treated drive console and high-quality vibrators ensure peak efficiency, reliable feeding and effective long-term operation with minimum breakdowns.



MODEL	WXL		DRIVE		CAPACITY		LENGTH OF GRIZZLY		MAXIMUM FEED SIZE	
	mm	inchxfeet	kW	HP	mtph	stph	mm	feet	mm	inch
<b>MF 525</b>	520x2500	20x8	2x4	2x5,5	80-100	88-110	Single deck 820	2,5	350	14
<b>MF 935</b>	900x3500	35x11	2x8	2x11	150-200	165-220	Single deck 1000	3,3	600	24
<b>MF 1146</b>	1100x4600	43x15	2x11	2x15	200-300	220-330	Single deck 1400	4,6	800	32
<b>MF 1260</b>	1200x6000	47x20	2x12	2x16	400-600	440-660	Double deck 2800	9	800	32
<b>MF 1450</b>	1400x5000	55x16	2x12	2x16	300-500	330-550	Single deck 1840	6	900	36
<b>MF 1460</b>	1400x6000	55x20	2x14	2x19	500-800	550-880	Double deck 2800	9	900	36

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





# MEKA PAN FEEDERS WITH GRIZZLY SCALPER

**A WIDE RANGE OF APPLICATIONS WITH GRIZZLY BARS, DURABLE HEAT-TREATED DRIVE CONSOLE AND HIGH-QUALITY VIBRATORS**

MEKA pan feeders with grizzly scalper have been designed for the most difficult conditions and applications. Various grizzly bar options make our feeders suitable for primary separation applications. Compact and high capacity with an effective grizzly design and a second deck allows for effectively liberating more fines.

MODEL	WXL				DRIVE				CAPACITY		MAXIMUM FEED SIZE	
	FEEDER		SCALPER		FEEDER		SCALPER		mtph	stph	mm	inch
	mm	inchxfoot	mm	inchxfoot	kW	HP	kW	HP				
<b>MF 1276</b>	1100x4600	43x15	1200x3000	47x10	2x11	2x15	2x11	2x15	200-300	220-330	800	32
<b>MF 1480</b>	1400x5000	55x16	1400x3000	55x10	2x12	2x16	2x12	2x16	300-500	330-550	900	36
<b>MF 1880</b>	1800x5000	71x16	1800x3000	71x10	2x14	2x19	2x14	2x19	800-1200	880-1320	1200	47

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



# MEKA PAN FEEDERS

## A WIDE VARIETY OF APPLICATIONS FOR CONSTANT FEEDING OF CRUSHERS AND SCREENS AFTER THE PRIMARY STAGE

MEKA pan feeders have been designed for the toughest conditions and applications. A variety of sizes and types make our feeders suitable for the constant feeding of crushers and screens after the primary crushing stage. Both base mounted and suspended models with large drive units and proper feed chutes are designed to make high feed rates even of coarse materials possible.



MODEL	WXL		DRIVE		CAPACITY		MAXIMUM FEED SIZE	
	mm	inchxfeet	kW	HP	mtph	stph	mm	inch
<b>MF 6515</b>	650x1500	26x5	2x1,1	2x1,5	100-150	110-165	200	8
<b>MF 8517</b>	850x1700	33x6	2x1,6	2x2	150-200	165-220	260	10
<b>MF 1020</b>	1000x2000	40x7	2x2,2	2x3	200-250	220-275	300	12
<b>MF 1220</b>	1200x2000	47x7	2x2,2	2x3	250-350	275-385	330	13

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









# 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 fulfil 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.

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- Jaw Crushers
  - Primary Impact Crushers
  - Secondary Impact Crushers\*
  - Tertiary Impact Crushers
  - Vertical Shaft Impact (VSI) Crushers
  - Cone Crushers

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

# MEKA JAW CRUSHERS

## CRUSHING MASTER

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.



MODEL	FEED OPENING		CSS (min - max)		MOTOR POWER		CRUSHER SPEED	CAPACITY		WEIGHT	
	mm	inch	mm	inch	kW	HP	rpm	mtpH	stph	kg	lbs
<b>MJ 60</b>	610x380	24x15	40-150	1.6-6	30	40	330	20-110	22-120	6000	13200
<b>MJ 65</b>	650x500	26x20	40-150	1.6-6	45	60	330	30-120	33-132	7000	15400
<b>PRIMARY MJ 90</b>	900x650	36x24	60-200	2.4-8	75	100	293	50-250	55-275	11400	25100
<b>MJ 110</b>	1100x850	43x33	100-200	4-8	132	180	228	100-300	110-330	33000	72800
<b>MJ 130</b>	1300x1000	51x39	125-250	5-10	160	220	210	275-600	302-660	43000	94800
<b>SECONDARY MJS 90</b>	900x200	35x8	25-75	1-3	30	40	330	20-110	22-120	6000	13200
<b>MJS 110</b>	1100x350	43x14	25-125	1-5	75	100	330	110-220	120-242	11000	24300



# MEKA PRIMARY IMPACT CRUSHERS

## HIGH PERFORMANCE FOR HIGHER PROFITABILITY

MEKA MPI crushers, offering high reduction ratios, reduced power consumption, easier and safer maintenance are the solution for perating 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.



MODEL	ROTOR DIAMETER		ROTOR WIDTH		MAXIMUM FEED SIZE		CAPACITY		POWER		WEIGHT	
	mm	inch	mm	inch	mm	inch	mtph	stph	kW	HP	kg	lbs
<b>MPI 1111</b>	1100	43	1070	42	600	24	150-200	170-225	160	220	14500	32000
<b>MPI 1114</b>	1100	43	1400	55	600	24	250-350	275-385	200	280	17500	38600
<b>MPI 1313</b>	1300	51.2	1300	51.2	900	36	300-500	330-550	250	350	17800	39160
<b>MPI1515</b>	1500	59	1500	59	1000	40	400-600	440-660	315	440	21820	48100
<b>MPI 1620</b>	1600	63	2000	78.7	1300	52	600-950	660-1040	500	700	40500	89300

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



# MEKA

## SECONDARY IMPACT CRUSHERS

### AN ECONOMICAL SOLUTION FOR SOFT AND MEDIUM-HARD MATERIALS

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 soft and medium-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.



MODEL	ROTOR DIAMETER		ROTOR WIDTH		MAXIMUM FEED SIZE		CAPACITY		POWER		WEIGHT	
	mm	inch	mm	inch	mm	inch	mtph	stph	kW	HP	kg	lbs
<b>MSI 1110</b>	1120	44	1000	40	300	12	130-200	145-220	160	220	17000	37500
<b>MSI 1112</b>	1120	44	1200	48	300	12	170-250	190-275	200	270	19000	41900
<b>MSI 1115</b>	1120	44	1500	59	300	12	200-300	220-330	250-315	340-430	21000	46300

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



# MEKA

## SECONDARY IMPACT CRUSHERS

### AN ECONOMICAL SOLUTION FOR SOFT AND MEDIUM-HARD MATERIALS

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.



MODEL	ROTOR DIAMETER		ROTOR WIDTH		MAXIMUM FEED SIZE		CAPACITY		POWER		WEIGHT	
	mm	inch	mm	inch	mm	inch	mtph	stph	kW	HP	kg	lbs
<b>MSI 1210</b>	1200	48	1000	40	250	10	100-150	110-165	132-160	180-220	17500	38600
<b>MSI 1312</b>	1300	51.2	1200	48	350	14	150-200	165-220	200	270	23000	50700
<b>MSI 1315</b>	1300	51.2	1500	59	350	14	200-300	220-330	250-315	340-430	25000	55100

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





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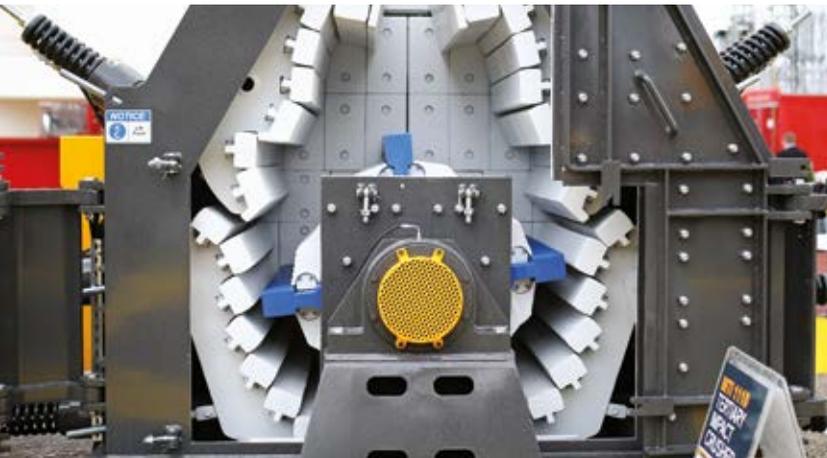
# TERTIARY IMPACT CRUSHERS

**EXCELLENCE IN PRODUCTION OF FINE AGGREGATES FOR CONCRETE AND ASPHALT**

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.

MODEL	ROTOR DIAMETER		ROTOR WIDTH		MAXIMUM FEED SIZE		CAPACITY		POWER		WEIGHT	
	mm	inch	mm	inch	mm	inch	mtph	stph	kW	HP	kg	lbs
<b>MTI 1115</b>	1100	43	1500	59	150	6	280-320	310-350	315	428	22850	50377
<b>MTI 1110</b>	1100	43	1000	40	150	6	220-250	240-280	200/270	250/340	18750	41336
<b>MTI 1105</b>	1100	43	500	20	150	6	100-120	110-130	110	150	13500	29762

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



# MEKA

# VERTICAL SHAFT IMPACT CRUSHERS

## EXCEPTIONAL MINERALS BENEFICIATION CAPABILITIES

Vertical Shaft Impact (VSI) crushers are designed to be used in secondary, tertiary or quarternary 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.



TYPE	MAX FEED SIZE		POWER		SPEED	MAX CAPACITY*		WEIGHT	
	mm	inch	kW	HP	rpm	mtph	stph	kg	lbs
<b>MV 90 ROR</b> <i>Single Drive</i>	50	2	200	275	800 - 1700	200	220	10900	23980
			250	335	800 - 1700	250	275	11200	24640
<b>MV 90 ROR</b> <i>Dual Drive</i>	50	2	2 X 110	2 X 150	800 - 1700	200	220	12200	26840
			2 X 132	2 X 180	800 - 1700	250	275	12400	27280
			2 X 160	2 X 220	800 - 1700	300	330	12600	27720
<b>MV 90 ROS</b> <i>Single Drive</i>	50	2	200	275	800 - 1600	200	220	13200	29040
			250	335	800 - 1600	250	275	13500	29700
<b>MV 90 ROS</b> <i>Dual Drive</i>	50	2	2 X 110	2 X 150	800 - 1600	200	220	14300	31460
			2 X 132	2 X 180	800 - 1600	250	275	14500	31900
			2 X 160	2 X 220	800 - 1600	300	330	14700	32340
<b>MV 90 SOS</b> <i>Single Drive</i>	75	3	200	275	800 - 1400	200	220	13600	29920
			250	335	800 - 1400	250	275	13900	30580
<b>MV 90 SOS</b> <i>Dual Drive</i>	75	3	2 X 200	2 X 275	800 - 1400	400	440	15600	34320

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

# MEKA MCH SERIES CONE CRUSHERS

## AN EXPERT IN CRUSHING EXTRA-HARD MATERIALS

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.

MCH Series;

Three standard crushing chambers are available:

**F** = Fine

**M** = Medium

**EC** = Extra coarse



# MCH SERIES TECHNICAL DATA

	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN MTPH WITH CRUSHER RUNNING AT CSS (mm)</b>				
	<b>kW</b>		<b>Square hole (mm)</b>	<b>10</b>	<b>16</b>	<b>19</b>	<b>25</b>	<b>32</b>
<b>MCH 900</b>	90	EC	130			90-100	110-120	120-130
	90	M	65		70-80	80-90		
	90	F	35	50-60	70-80			
	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN MTPH WITH CRUSHER RUNNING AT CSS (in)</b>				
	<b>HP</b>		<b>Square hole (in)</b>	<b>0.4</b>	<b>0.6</b>	<b>0.75</b>	<b>1</b>	<b>1.3</b>
	120	EC	5.1			100-110	120-130	132-143
120	M	2.6		77-88	88-100			
120	F	1.4	55-66	77-88				
	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN MTPH WITH CRUSHER RUNNING AT CSS (mm)</b>				
	<b>kW</b>		<b>Square hole (mm)</b>	<b>10</b>	<b>16</b>	<b>19</b>	<b>25</b>	<b>32</b>
<b>MCH 1150</b>	200	EC	215		120-200	120-250	110-280	150-320
	200	M	110		80-250	90-250	100-320	
	200	F	70	50-170	60-200	70-220	80-260	
	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN MTPH WITH CRUSHER RUNNING AT CSS (in)</b>				
	<b>HP</b>		<b>Square hole (in)</b>	<b>0.4</b>	<b>0.6</b>	<b>0.75</b>	<b>1</b>	<b>1.3</b>
	270	EC	8.5		132-220	132-275	120-310	
270	M	4.3		90-275	100-275	110-350		
270	F	2.8	55-190	66-220	77-250	88-290		

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

# MCS SERIES TECHNICAL DATA

	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN MTPH WITH CRUSHER RUNNING AT OSS (mm)</b>				
	<b>kW</b>		<b>Square hole (mm)</b>	<b>38</b>	<b>42</b>	<b>46</b>	<b>50</b>	<b>55</b>
<b>MCS 900</b>	90	EC	240				175	195
	90	C	200			155	165	
	90	M	160	120		150		
	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN STPH WITH CRUSHER RUNNING AT OSS (in)</b>				
	<b>HP</b>		<b>Square hole (in)</b>	<b>1.5</b>	<b>1.7</b>	<b>1.8</b>	<b>2</b>	<b>2.2</b>
	120	EC	9.5				190	210
120	C	8			170	180		
120	M	6.3	130		165			
	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN MTPH WITH CRUSHER RUNNING AT OSS (mm)</b>				
	<b>kW</b>		<b>Square hole (mm)</b>	<b>38</b>	<b>42</b>	<b>46</b>	<b>50</b>	<b>55</b>
<b>MCS 1150</b>	200	EC	330	270	290	305	320	360
	200	C	300	250	270	290	310	
	200	MC	240	240	260	280		
	<b>POWER</b>		<b>MAXIMUM FEED SIZE</b>	<b>NOMINAL CAPACITY IN STPH WITH CRUSHER RUNNING AT OSS (in)</b>				
	<b>HP</b>		<b>Square hole (in)</b>	<b>1.5</b>	<b>1.7</b>	<b>1.8</b>	<b>2</b>	<b>2.2</b>
	270	EC	13	300	320	330	350	390
270	C	12	275	300	320	340		
270	MC	9.5	260	285	310			

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

# MEKA MCS SERIES CONE CRUSHERS

## AN EXPERT IN CRUSHING EXTRA-HARD MATERIALS

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.

MCS Series;

Three standard crushing chambers are available:

**M** = Medium

**C** = Coarse

**MC** = Medium Coarse

**EC** = Extra coarse







# SCREENS

## AT THE HEART OF EVERY QUARRY AND MINE ARE SCREENS

The screening process is just as important as the crushing itself. Screens are the hub of every rock processing plant. They are used to classify materials both in different stages of the crushing process and in final product separation. Designed as a non-welded frame with adjustable vibration features for different material types and screening sizes, MEKA screens provide screening efficiency that is high quality and dependable. Our screens come in various sizes starting from 2 m<sup>2</sup> (22 sqft) up to 16 m<sup>2</sup> (172 sqft) and are equipped with up to four decks that can be supplied with different types of screening media, such as grizzly, perforated sheet, polyurethane and steel meshes, with washing options to meet the requirements of a wide range of applications.

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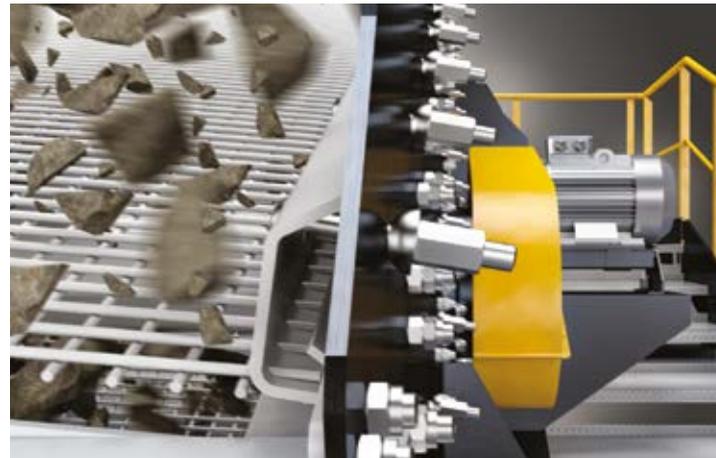
Inclined Screens  
Horizontal Screens  
Grizzly Screens

# MEKA INCLINED SCREENS

## SAFE AND DURABLE OPERATION

The screening process is just as important as the crushing itself. Screens are the heart of every rock processing plant. They are used to classify materials both in different stages of the crushing process and in final product separation. Designed as a non-welded frame with adjustable vibration features for different material types and screening sizes, MEKA screens provide screening efficiency that is high quality and dependable. Our screens come in various sizes starting from 2 m<sup>2</sup> (22 sqft) up to 16 m<sup>2</sup> (172 sqft) and are equipped with up to four decks that can be supplied with different types of meshes, such as grizzly, perforated sheet, polyurethane and steel meshes, with washing options to meet the requirements of a wide range of applications.

MODEL	DIMENSIONS		NUMBER OF DECKS	POWER	
	mm	feet		kW	HP
<b>MS 1240</b>	1200x4000	4x13	2,3,4	7.5	10
<b>MS 1540</b>	1500x4000	5x13	2,3,4	15	20
<b>MS 1650</b>	1600x5000	5.2x16.4	2,3,4	15	20
<b>MS 2050</b>	2000x5000	6.6x16.4	2,3,4	18.5	25
<b>MS 2060</b>	2000x6000	6.6x20	2,3,4	22	30
<b>MS 2460</b>	2400x6000	7.9x20	2,3,4	30	40
<b>MS 2563</b>	2500x6300	8.2x20.7	2,3,4	37	50

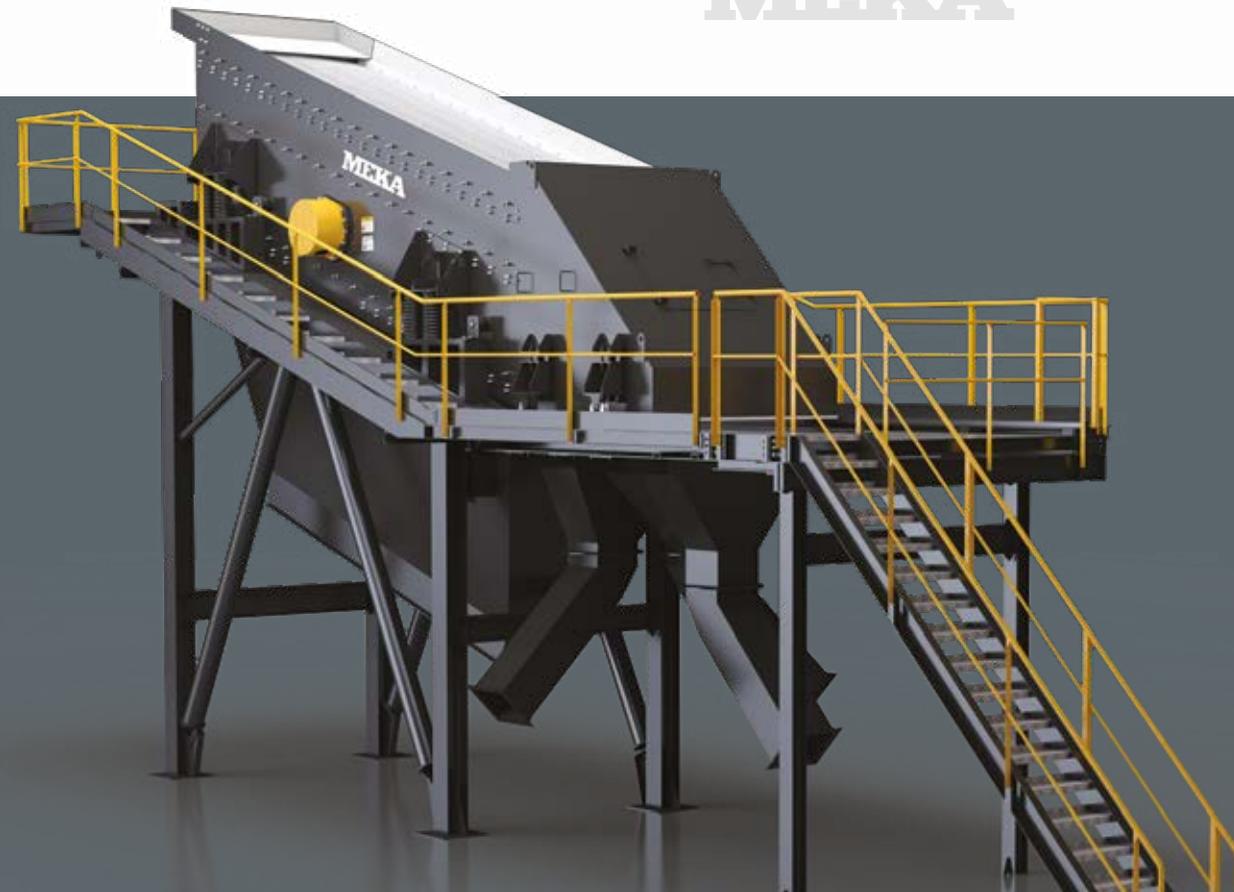


## HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with a conventional bolted assembly create extra labour costs, increase safety risks and reduce overall profitability because of the rupture of bolts caused by loosening nuts. MEKA's MS and MGS series vibrating screens with huck-bolted assembly don't require maintenance for bolts and nuts, so they also ensure workplace safety.

## SELF TENSIONED MOTORBASE

In MS and MGS series vibrating screens, a self-tensioned motorbase is a standard feature to protect both the electric motor and drive belts against tension caused by vibrations, meaning less maintenance duration and lower costs for our customers.



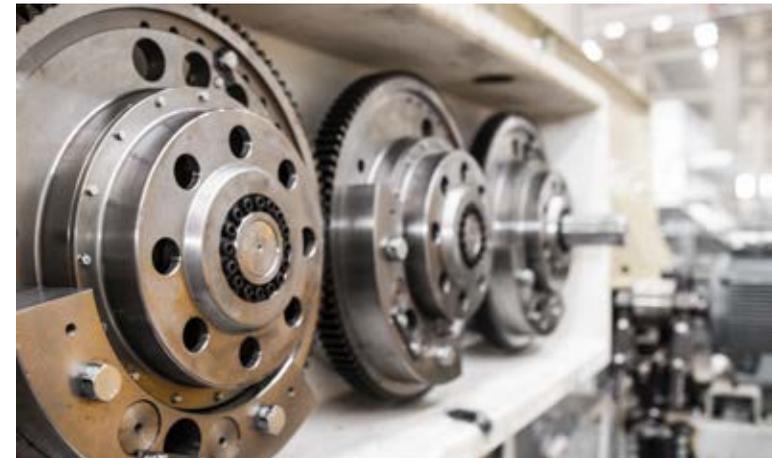
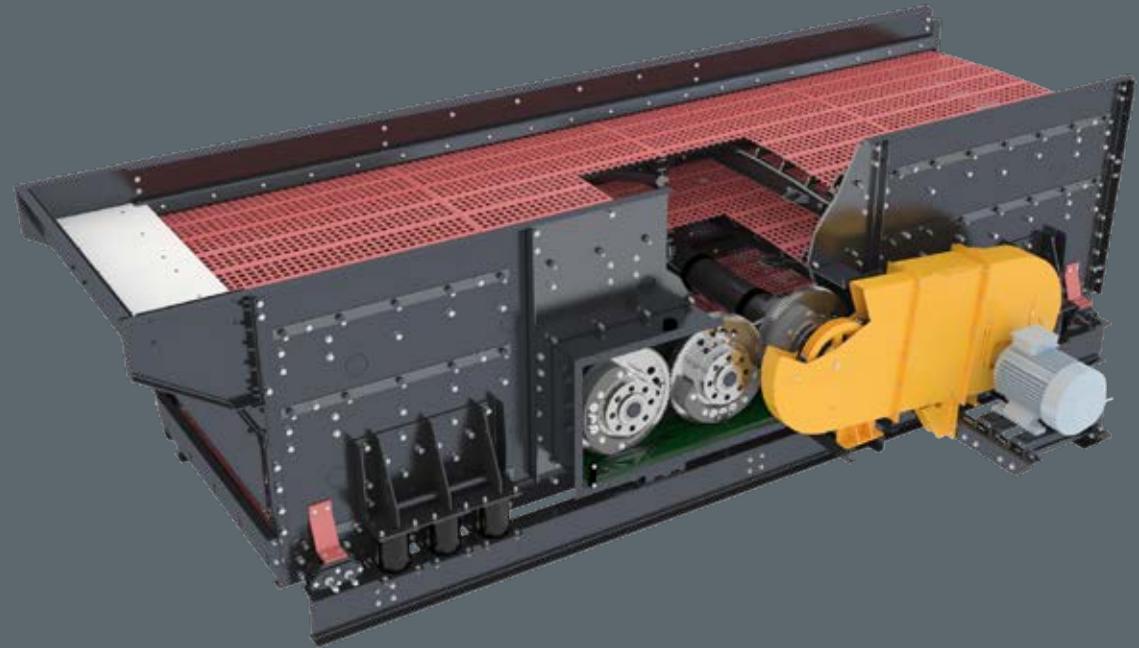
# MEKA HORIZONTAL SCREENS

## ENDURANCE, CAPACITY AND EFFICIENCY

MEKA Horizontal Screens are a combination of quality, reliability, and performance; providing a long service life while operating under the most demanding applications.

Nowadays, customers are requiring tighter specifications for products for precisely shaped aggregate or closely-sized stone. As a result, tighter control over the process is of utmost importance and the most effective point to do that is at screening. For that critical step you can trust MEKA Horizontal Screens.

The screens elliptical motion is combined with high acceleration, thereby bringing more power into play than in traditional screens. This "high power" feature delivers better performance in terms of both throughput and screening efficiency.



MODELS	DIMENSIONS		NUMBER OF DECKS	POWER		SPEED rpm	WEIGHT	
	ft	mm		kW	HP		kg	lbs
<b>MHS 1848/2</b>	6x16	1830x4877	2	30	40	675-875	9124	20115
<b>MHS 1848/3</b>	6x16	1830x4877	3	37	50	675-875	10874	23973
<b>MHS 1860/2</b>	6x20	1830x6069	2	30	40	675-875	9576	21111
<b>MHS 1860/3</b>	6x20	1830x6069	3	37	50	675-875	11326	24970
<b>MHS 2148/2</b>	7x16	2134x4877	2	37	50	675-875	10045	22145
<b>MHS 2148/3</b>	7x16	2134x4877	3	37	50	675-875	11795	26004
<b>MHS 2160/2</b>	7x20	2134x6069	2	37	50	675-875	10675	23534
<b>MHS 2160/3</b>	7x20	2134x6069	3	45	60	675-875	12425	27392
<b>MHS 2448/2</b>	8x16	2438x4877	2	37	50	675-875	10991	24231
<b>MHS 2448/3</b>	8x16	2438x4877	3	45	60	675-875	12741	28089
<b>MHS 2460/2</b>	8x20	2438x6069	2	37	50	675-875	11517	25391
<b>MHS 2460/3</b>	8x20	2438x6069	3	45	60	675-875	13267	29249



# MEKA GRIZZLY SCREENS

## PERFECT PRELIMINARY SEPARATION AND FEEDING

Grizzly Screens have been designed for the toughest applications capable of high capacity and the ability to process abrasive material.

These screens have a very robust design, which allow them to operate under tough conditions (primary or secondary).

They particularly perform very well when used to remove the fines between two crushing stages.

MODEL	DIMENSIONS		NUMBER OF DECKS	POWER		WEIGHT	
	mm	feet		kW	HP	kg	lbs
<b>MGS 1230</b>	1200x3000	4x10	2	11	15	4200	9300
<b>MGS 1430</b>	1400x3000	4.6x10	2	15	20	4800	10600
<b>MGS 1640</b>	1600x4000	5.2x13	2	18.5	25	6500	14300



## HIGH QUALITY SIDE PLATES RESISTANT TO VIBRATION

Every MS and MGS series vibrating screen is made of side plates that are resistant to vibration, allowing our customers to use them long-term with the same durability as during first use. With this steel plate's durability, the screen body becomes more tolerant and resistant to vibration.

In this way, our innovations prevent fractures that commonly occur on other screens, particularly around the drive system. Such fractures make the screen unusable by expanding on the side plate.

## MODULAR-TYPE DRIVE SYSTEM

MEKA MS and MGS series screens are equipped with a modular drive system for easy servicing. The two-piece drive-shaft system can be detached easily one by one, reducing servicing duration. Additionally, the Cardan shaft connecting the modular shafts is superior to traditional, heavier, single-piece shafts in terms of easy maintenance.



# WET PROCESSING



## ONE WAY TO KEEP THE MATERIAL IN SPEC IS THROUGH WASHING AND CLASSIFYING

To produce standardised, clean and washed aggregates MEKA offers an extensive product portfolio to work in many applications supporting customers in the washing minerals industry. MEKA products have excellent reliability, are easy to transport, operate and provide fast onsite installation.

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- Fine Material Washers
- Coarse Material Washers
- Bucket Wheel Dewaterers
- Dewatering Screens
- Compact Sand Plants



# MEKA FINE MATERIAL WASHERS

## EFFECTIVE WASHING OF NATURAL AND CRUSHED MATERIALS

Fine material washers, also frequently named dewatering screws are utilized to clean and dewater fine aggregates typically minus 10 mm or 5 mm (3/8" or 4mesh) to fine tune end products to meet specifications and to separate water soluble clay, silt, and micro sized fine particles.

Available in both single and twin screw configurations, fine material washers are most often used after a wet screening operation to process products such as concrete, mason, mortar.



	MODEL	SIZE (DIA X L)		CAPACITY		MATERIAL		POWER		SCREW	MACHINE WEIGHT	
		mmxmm	inchxfeet	mtph	stph	inch	mm	kW	HP	RPM	Kg	lb
<b>SINGLE</b>	<b>MFWS0440</b>	400x4000	16x13	20	22	3/8"	10	3	4	21	1000	2200
	<b>MFWS0550</b>	500x5000	20x16	30	33	3/8"	10	4	5,5	21	1500	3300
	<b>MFWS0660</b>	600x6000	24x20	50	55	3/8"	10	5,5	7,5	21	2400	5300
	<b>MFWS0976</b>	917x7620	36x25	100	110	3/8"	10	11	15	21	6500	14300
	<b>MFWS1010</b>	1000x10000	40x33	150	165	3/8"	10	22	30	17	10500	23200
	<b>MFWS1197</b>	1120x9700	44x32	175	192	3/8"	10	18,5	25	17	10500	23200
<b>DOUBLE</b>	<b>MFWD0440</b>	400x4000	16x13	43	47	3/8"	10	2x4	2x5,5	21	2300	5100
	<b>MFWD0550</b>	500x5000	20x16	67	73	3/8"	10	2x5,5	2x7,5	21	2800	6200
	<b>MFWD0660</b>	600x6000	24x20	100	110	3/8"	10	2x7,5	2x10	21	5200	11500
	<b>MFWD0880</b>	800x8000	32x26	200	220	3/8"	10	2x15	2x20	21	7700	17000
	<b>MFWD0976</b>	917x7620	36x25	200	220	3/8"	10	2x11	2x15	21	11300	24900
	<b>MFWD1197</b>	1120x9700	44x32	350	385	3/8"	10	2x18,5	2x25	17	18900	41700

Results may vary depending on feed material gradation, density, silt & clay content, amount of water used, equipment settings and washing application.

# COARSE MATERIAL WASHERS

## EFFECTIVE WASHING OF NATURAL AND CRUSHED MATERIALS



Coarse material washers are used to remove a limited amount of dirty material from a coarse aggregate. This material includes very water soluble slimes, silts, soft clay, and organic particles. They are often used as a final wash following a wet screen and are designed to scrub and clean gravel and crushed stone up to 75mm (3") in size. Both single and double spiral units are available depending on the capacity required.

Classifying is accomplished when coarse material containing dirty material that has a specific gravity less than the coarse material is floated upwards and carried over the adjustable weirs at the back of the machine.

MODEL	SIZE (DIA X L)		CAPACITY		MATERIAL		POWER		SCREW	MACHINE WEIGHT	
	mmxmm	inchxfoot	mtph	stph	mm	inch	kW	HP	RPM	Kg	lb
<b>MCWS0954</b>	928x5450	36x18	150-175	165-192	0-65	0 - 2 1/2"	30	40	16-32	6500	14300
<b>MCWS1163</b>	1118x6350	44x20	200-250	220-275	0-75	0-3"	37,5	50	16-32	9000	20000
<b>MCWD0954</b>	928x5450	36x18	300-350	330-385	0-65	0 - 2 1/2"	2x30	2x40	13-26	10800	23800
<b>MCWD1163</b>	1118x6350	44x20	400-500	440-550	0-75	0-3"	2x37,5	2x50	13-26	15500	34200

Results may vary depending on feed material gradation, density, silt & clay content, amount of water used, equipment settings and washing application.

# MEKA

# BUCKET WHEEL DEWATERERS

## HIGHLY EFFICIENT BUCKET WHEEL RANGE OF SAND CLASSIFICATION SYSTEMS

MEKA Bucket Wheel range of sand classification systems are designed to operate with maximum versatility for efficient dewatering and fine sand recovery from the solid-water suspension in the underflow of a washing screen or dissolving station. The twin bucket units provide the removal of clays, silts and slimes to produce up to 2 grades of sand.

MODEL	DRIVE		WATER CONSUMPTION		CAPACITY		WORKING rpm
	kW	HP	m <sup>3</sup> /hr	gpm	mtph	stph	
MBW60	5,5	7,5	50-75	220-330	40-60	44-66	2-5
MBW100	7,5	10	75-100	330-440	60-100	66-110	2-5
MBW150	11	15	100-125	440-550	100-150	110-165	2-5

Results may vary depending on feed material gradation, density, silt & clay content, amount of water used, equipment settings and washing application.



# MEKA DEWATERING SCREENS

## LINEAR MOTION SCREENS FOR EFFECTIVE DEWATERING

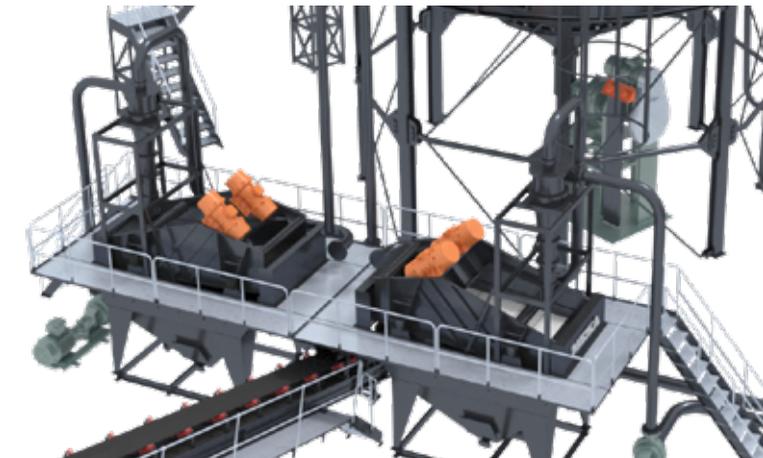
You can count on MEKA Dewatering Screens to help you turn material washing problems into profitable solutions and meet the specification demands for multiple sand products.

Dewatering screens are typically single deck, adjustable incline, linear motion screens, fitted with slotted aperture panels utilized to dewater fine aggregates prior to stockpiling.



MODEL	DIMENSIONS		SCREENING AREA		POWER		MAXIMUM FEED CAPACITY		WORKING ANGLE
	mm	ft	m <sup>2</sup>	sqft	kW	HP	mtph	stph	
<b>MDS 1224</b>	1200 x 2400	4x8	2,88	32	2 x 3,6	2x5	70	77	-5 / +5°
<b>MDS 1824</b>	1800 x 2400	6x8	4,32	48	2 x 5	2x7	100	110	-5 / +5°
<b>MDS 1840</b>	1800 x 4000	6x13	7,2	78	2 x 7,5	2x10	150	165	-5 / +5°

Results may vary depending on feed material gradation, density, silt & clay content, amount of water used, equipment settings and washing application.



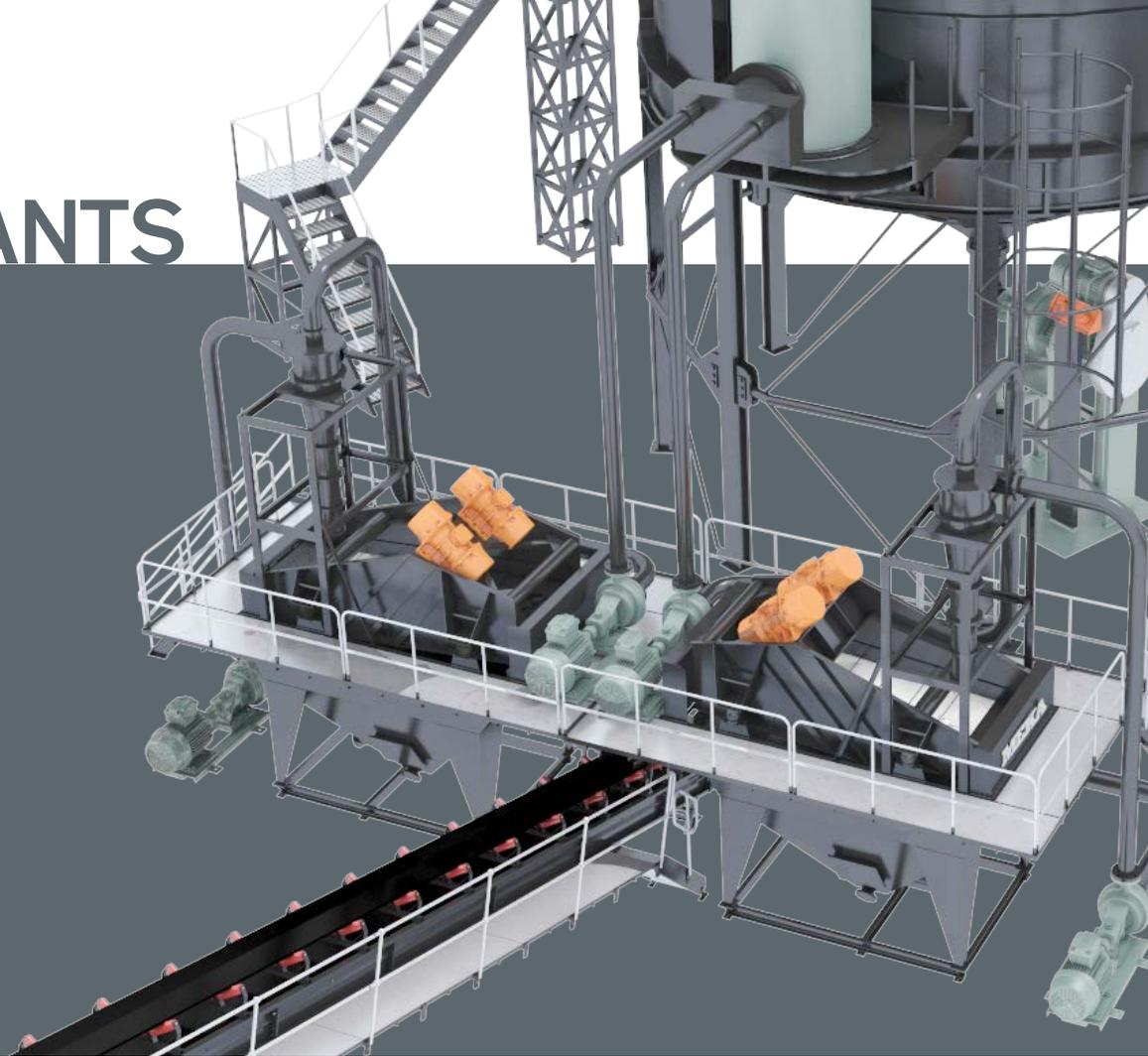
# MEKA COMPACT SAND PLANTS

## MAXIMUM EFFICIENCY FROM YOUR WASHING PLANT

To ensure maximum efficiency from your washing plant the introduction of sandwashing equipment is widely accepted as the number one choice. Compact sand plants are designed for aggregate producers requiring a fines recovery plant to support their existing operations by reducing the volume of fine material reporting to the settling pond. The range uses centrifugal force within the cyclone(s) to remove clay, silt and slime from sand to bring it into specification and combines a collection tank, centrifugal slurry pump(s), hydrocyclone(s) and a dewatering screen on a single chassis.

MEKA sand plant is built up by combining one of each of the following main components :

- 3 models of pumping tanks,
- 3 sizes of sand pumps, chosen for their resistance to abrasion, and their performance,
- 3 types of high performance cyclones designed to ensure a cut 70 µm,
- 3 types of dewatering screens equipped with modular polyurethane panels with slotted openings.



MODEL	MAXIMUM CAPACITY		WATER REQUIREMENT		CYCLONE DIAMETER		SCREEN MOTOR POWER		DEWATERING SCREEN SIZE		PUMP SIZE	PUMP POWER		WEIGHT	
	mtph	stph	m <sup>3</sup> /h	gal/min	mm	inch	kW	HP	mm	feet	inch	kW	HP	kg	lb
<b>MCSP 1-70</b>	70	77	140-200	440-880	500	20	2 x 3,6	2x5	1200 x 2400	4x8	8"/6"	30	40	6100	13450
<b>MCSP 1-100</b>	100	110	200 - 350	880-1540	660	26	2 x 5	2x7	1800 x 2400	6x8	8"/6"	37	50	8200	18100
<b>MCSP 1-150</b>	150	165	300 - 450	1320-1980	2 x 500	2X20	2 x 7,5	2x10	1800 x 2400	6x8	10"/8"	45	60	8500	18700
<b>MCSP 2-200</b>	200	220	600	2640	2 x 660	2x26	2 x 7,5	2x10	1800 x 4000	6x13	10"/8"	75	102	10000	22000
<b>MCSP 2-250</b>	250	275	750	3300	2 x 660	2x26	2 x 7,5	2x10	1800 x 4000	6x13	12"/10"	90	120	10200	22500

Results may vary depending on feed material gradation, density, silt & clay content, amount of water used, equipment settings and washing application.

**MEKA**  
CRUSHING & CONCRETE BATCHING TECHNOLOGIES

*Extreme  
Power*

[www.mekacrushers.com](http://www.mekacrushers.com)

Turkey





# MOBILE SOLUTIONS

## BEST SOLUTIONS FOR TEMPORARY NEEDS

Temporary aggregate production is common for short-term projects like road and dam construction. Since most of the time the equipment is moved out of the temporary quarry, disassembly, transportation and installation expenses add extra costs that can be just as significant as the start-up investment itself. In such cases, despite higher initial investment costs, mobile crushing and screening solutions are better options than stationary ones because of the time-saving disassembly, transportation and installation advantages they provide.

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Mobile Crushing Units  
Mobile Crushing - Screening Units

# MEKA MOBILE CRUSHERS

## COMPACT, SOLID AND EASY TO SET UP

Semi-trailer mounted crushing plants are also available from MEKA product range. They are complete with feeder, crusher, discharge conveyor and electrical control panel to make it user friendly and productive.

MEKA MMG plant combines jaw crusher with a high stroke, vibrating grizzly feeder resulting in high production mobile crushing machine. Grizzly feeder is with adjustable opening and by-pass chute for greater flexibility. The tail of the product conveyor raises for transport and lowers for operation, maximizing clearance under the jaw crusher. The conveyor discharge height adjusts to reduce material impact on the receiving conveyor.

MEKA MMPI series impact crushing plant is built with the MEKA MPI impact crushers, being the primary option in all limestone or recycling crushing applications. MPI large horizontal shaft impact crushers are matched with vibrating grizzly feeders providing high capacity primary impact crusher plants that are tough to match in productivity. The plant can be fed by wheel loader, excavator or dump truck. Optionally the impact crusher can be equipped with a tertiary breaker plate providing higher production ratio.



MODEL	FEEDER MODEL	CRUSHER MODEL	BELT CONVEYOR DIMENSIONS		TRANSPORT DIMENSIONS (LxWxH)		WEIGHT	
			mm	inchxft	mm	ft	kg	lbs
<b>MMG 60</b>	<b>MF 525</b>	<b>MJ 60</b>	650x8000	26x26	7900x3400x3600	26x11x12	23000	50700
<b>MMG 90</b>	<b>MF 935</b>	<b>MJ 90</b>	800x8000	32x26	8400x3600x4300	28x12x14	27000	59500
<b>MMG 110</b>	<b>MF 1146</b>	<b>MJ 110</b>	1000x8000	40x26	13500x3700x4300	44x12x14	65800	145100
<b>MMPI 1313</b>	<b>MF 1146</b>	<b>MPI 1313</b>	1000x8000	40x26	14000x3600x4300	46x12x14	55000	121300
<b>MMPI 1515</b>	<b>MF 1450</b>	<b>MPI 1515</b>	1200x8000	48x26	15000x3700x4300	49x12x14	68000	149900





# MEKA MOBILE SCREENS

## MEKA PORTABLE SCREEN PLANT ALLOWS YOU TO TAKE ADVANTAGE OF EXCEPTIONAL SCREENING CAPABILITIES

With their compact structure, mobile crushing and screening platforms take less space than stationary solutions. Mobile plants are well-suited for users with strict space requirements. Mobile groups can be supplied with a wide range of options and are available with hydraulic or mechanical legs.

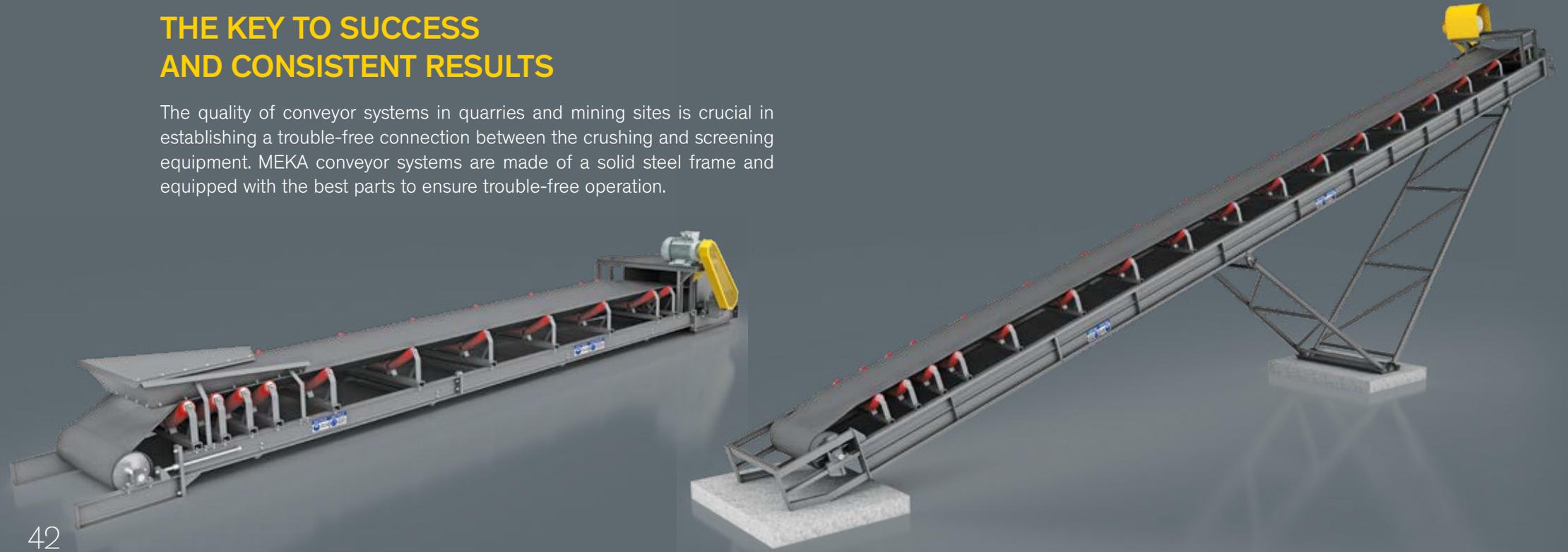
All screens in our product range can be manufactured semi-trailer mounted.



# MEKA CONVEYOR SYSTEMS

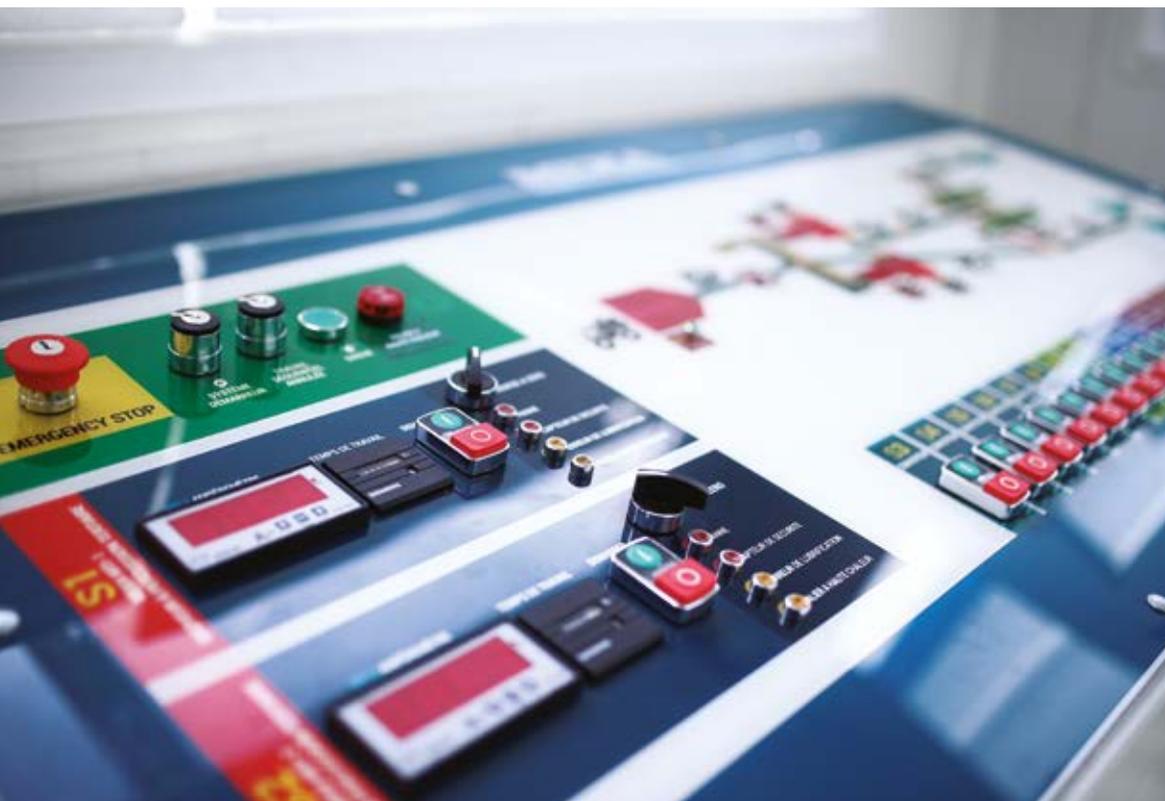
## THE KEY TO SUCCESS AND CONSISTENT RESULTS

The quality of conveyor systems in quarries and mining sites is crucial in establishing a trouble-free connection between the crushing and screening equipment. MEKA conveyor systems are made of a solid steel frame and equipped with the best parts to ensure trouble-free operation.



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# MEKA

## CRUSHING SCREENING

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