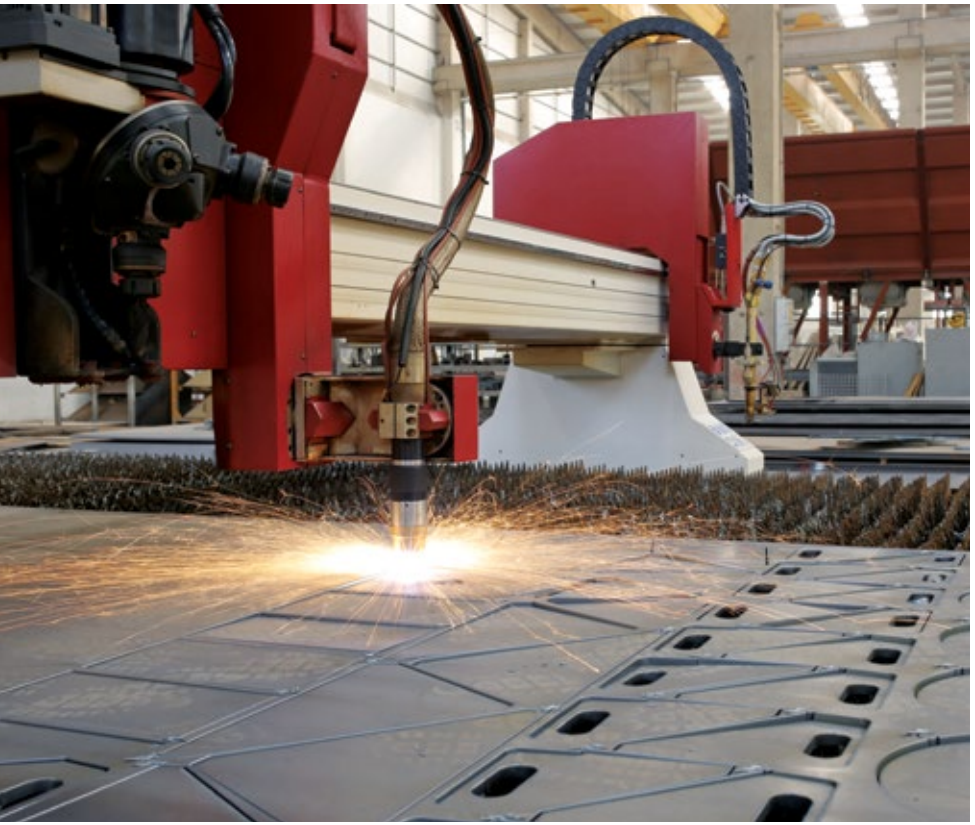
MEKA

CRUSHING & SCREENING SOLUTIONS

www.mekaglobal.com

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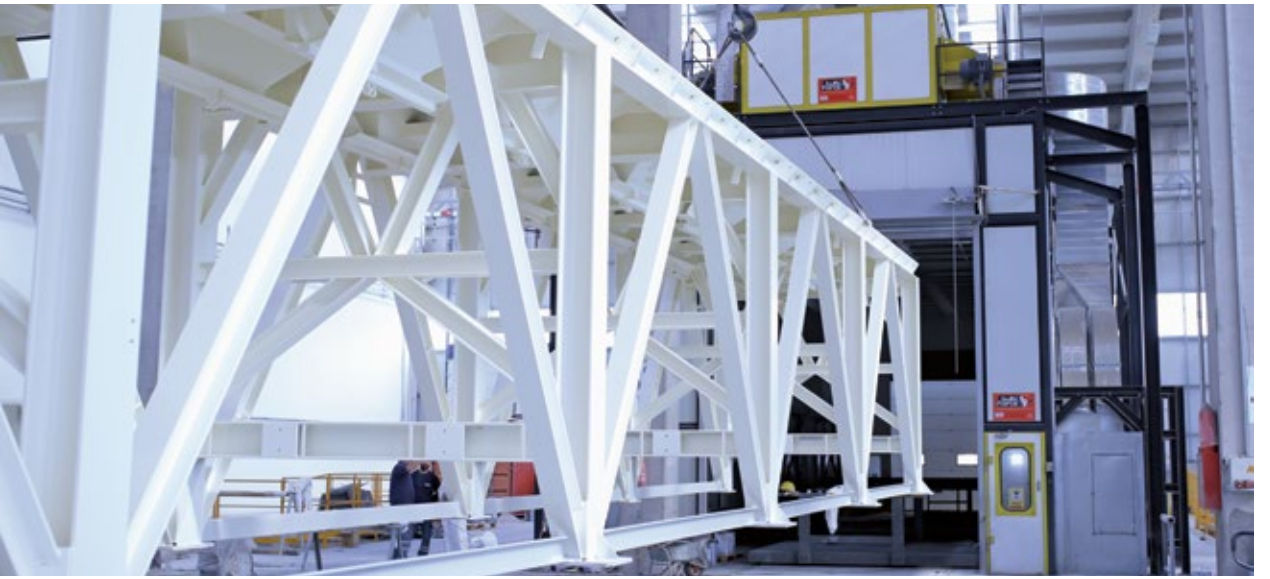

MEKA

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.


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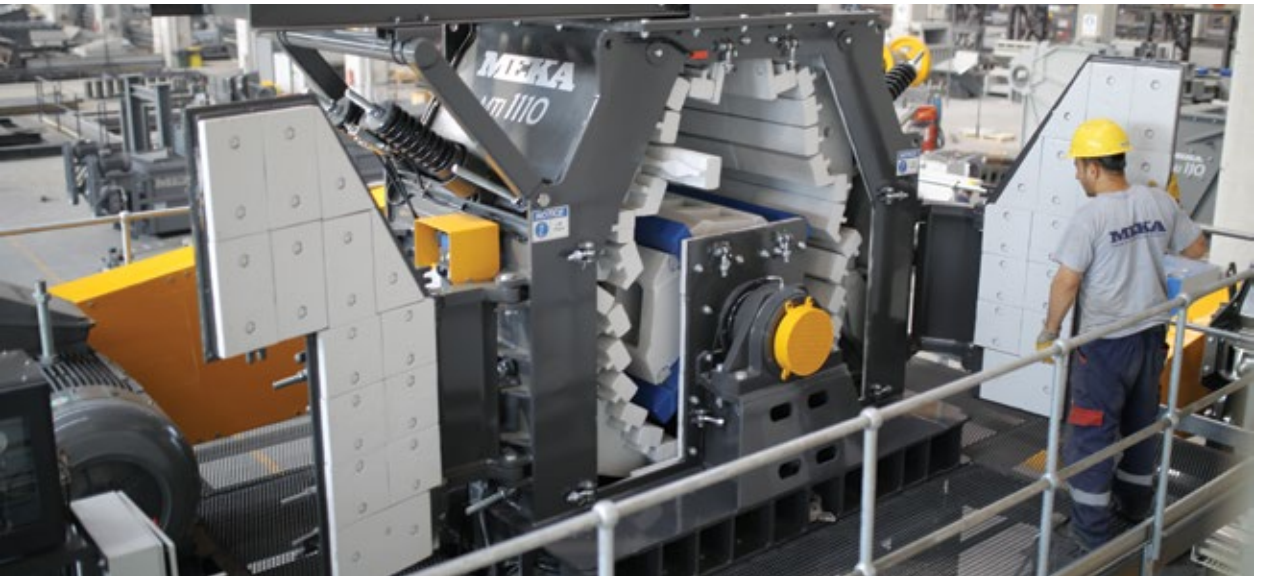


The Choice of Professionals in the Aggregate Production, Ready-Mix Concrete and Mining Industries

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 customized 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. 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, USA, 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.


MEKA
MF 1220
CRUSHING AND CONCRETE BATCHING TECHNOLOGIES
CRUSHING SCREENING
CONCRETE BATCHING
TECHNOLOGIES

MEKA 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.

GRIZZLY FEEDERS
PAN FEEDERS WITH GRIZZLY SCALPER
PAN FEEDERS
WOBBLER FEEDERS
APRON FEEDERS

MEKA

GRIZZLY FEEDERS

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.

For your heaviest duties with high capacity feeding and scalping.

		MGF 525	MGF 935	MGF 1146	MGF 1260	MGF 1450	MGF 1460
W x L	mm	520x2500	900x3500	1100x4600	1200x6000	1400x5000	1400x6000
	inchxfeet	20x8	35x11	43x15	47x20	55x16	55x20
Drive	kW	2x4	2x7.5	2x11	2x12	2x12	2x14
	HP	2x5.5	2x11	2x15	2x16	2x16	2x19
Capacity	mtph	80-100	150-200	200-300	400-600	300-500	500-800
	stph	88-110	165-220	220-330	440-660	330-550	550-880
Length of Grizzly		Single Section	Single Section	Single Section	Double Section	Single Section	Double Section
	mm	820	1000	1400	2800	1840	2800
	feet	2.5	3.3	4.6	9	6	9
Maximum Feed Size	mm	350	600	800	800	900	900
	inch	14	24	32	32	36	36

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

MEKA

PAN FEEDERS WITH GRIZZLY SCALPER

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.

Wide range of applications with grizzly bars, durable heat-treated drive console and high-quality vibrators.

		MSF 1276	MSF 1480	MSF 1880
W x L / Feeder	mm	1100x4600	1400x5000	1800x5000
	inchxfeet	43x15	55x16	71x16
W x L / Scalper	mm	1200x3000	1400x3000	1800x3000
	inchxfeet	47x10	55x10	71x10
Drive	kW	F: 2x11 - S: 2x11	F: 2x12 - S: 2x12	F: 2x14 - S: 2x14
F(Feeder) S(Scalper)	HP	F: 2x15 - S: 2x15	F: 2x16 - S: 2x16	F: 2x19 - S: 2x19
Capacity	mtph	200-300	300-500	800-1200
	stph	220-330	330-550	880-1320
Maximum Feed Size	mm	800	900	1200
	inch	32	36	47

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

MEKA

PAN FEEDERS

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.

Wide range of applications for constant feeding of crushers and screens after the primary stage

		MPF 6515	MPF 8517	MPF 1020	MPF 1220	MPF 1520
W x L	mm	650x1500	850x1700	1000x2000	1200x2000	1500x2000
	inchxfeet	26x5	33x6	40x7	47x7	59x7
Drive	kW	2x1.1	2x1.6	2x2.2	2x2.2	2x3.8
	HP	2x1.5	2x2	2x3	2x3	2x5
Capacity	mtph	100-150	150-200	200-250	250-350	300-420
	stph	110-165	165-220	220-275	275-385	330-460
Maximum Feed Size	mm	200	260	300	330	400
	inch	8	10	12	13	16

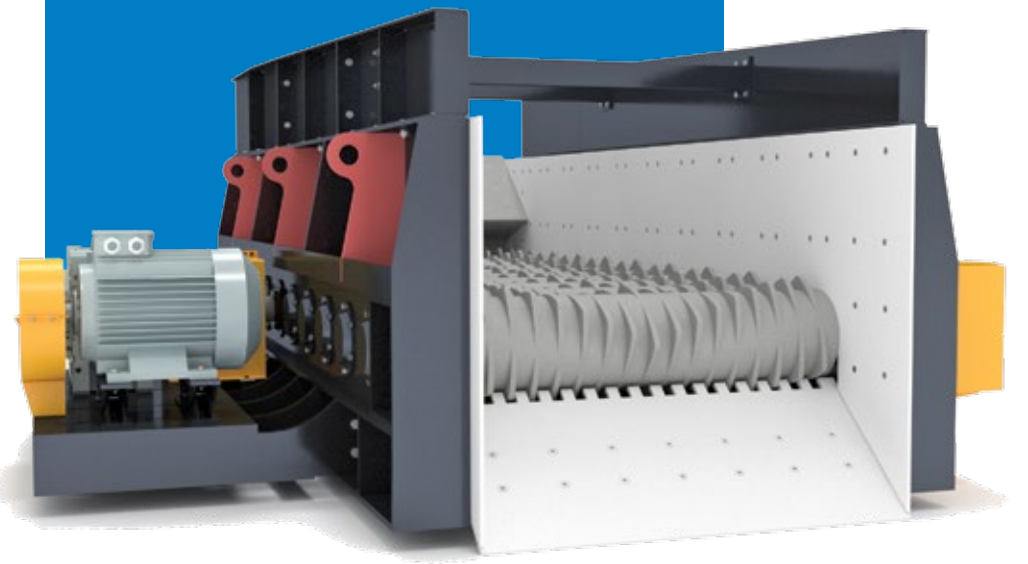
>> Results may vary depending on feed material gradation, density, moisture content, friability and crushing application.

MEKA

WOBBLER FEEDERS

Especially in case of difficult to screen, wet, sticky bulk materials this kind of feeding and scalping distinctly outclasses the traditional screening machines, which frequently show baking and adhesions with these materials. The positive action of the rotating triangular bars causes material to tumble forward assuring separation of fines and a uniform feed rate. In heavy duty, high capacity applications, the wobbler is often fed from a heavy duty apron feeder.

Scalping out fines and feeding only oversize to crusher



		MWF 1035	MWF1235	MWF 1440	MWF 1640	MWF 1650
W x L	mm	1000x3500	1200x3500	1400x4000	1600x4000	1600x5000
	inchxfeet	39x11	47x11	55x13	63x13	63x16
Drive	kW	22	22	30	37	45
	HP	30	30	40	50	60
Capacity	mtph	200-300	300-400	350-450	400-500	500-600
	stph	220-330	330-440	385-496	440-550	550-660

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

MEKA

APRON FEEDERS

MEKA Apron Feeders are of rugged, heavy duty construction and designed to handle large lumps and where no fines removal is required or where fines are removed by a separate Scalper. When the feed material is wet, sticky or clay like, the Apron Feeder is the machine to select. Generally, the Apron Feeder can be installed in a horizontal or inclined position. The high inclination also allows to build compact installations and to reduce the length of the Apron Feeder keeping the investment costs low.
As an optional extra, MEKA Apron Feeders can incorporate a Dribble Conveyor which is located under the feeder to catch the small pieces, fines and lumps of material that became trapped on the feed side of the apron flights and dribble out on the return side. This feature eliminates manual clean up and saves on man hours.

Custom designed for any application

		MAF 1245	MAF 1255	MAF 1280	MAF 1545	MAF 1555	MAF 1580
W x L	mm	1200x4500	1200x5500	1200x8000	1500x4500	1500x5500	1500x8000
	inchxfeet	48x15	48x18	48x26	60x15	60x18	60x26
Capacity / Chain Speed 4m/min (13 ft/min)	mtph	335	335	335	415	415	415
	stph	370	370	370	460	460	460
Capacity / Chain Speed 6m/min (20 ft/min)	mtph	500	500	500	620	620	620
	stph	550	550	550	680	680	680
Capacity / Chain Speed 8m/min (26 ft/min)	mtph	670	670	670	830	830	830
	stph	740	740	740	910	910	910

>> The capacities shown are based on a bulk density of 1.6 t/m^3(100 lb/ft^3) and burden depth of 800 mm (31 inch) and are indicative only. Depending on design, longer feeders are also available.


MEKA
MW 26
MEKA
MTI 1110

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 fullfill 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.

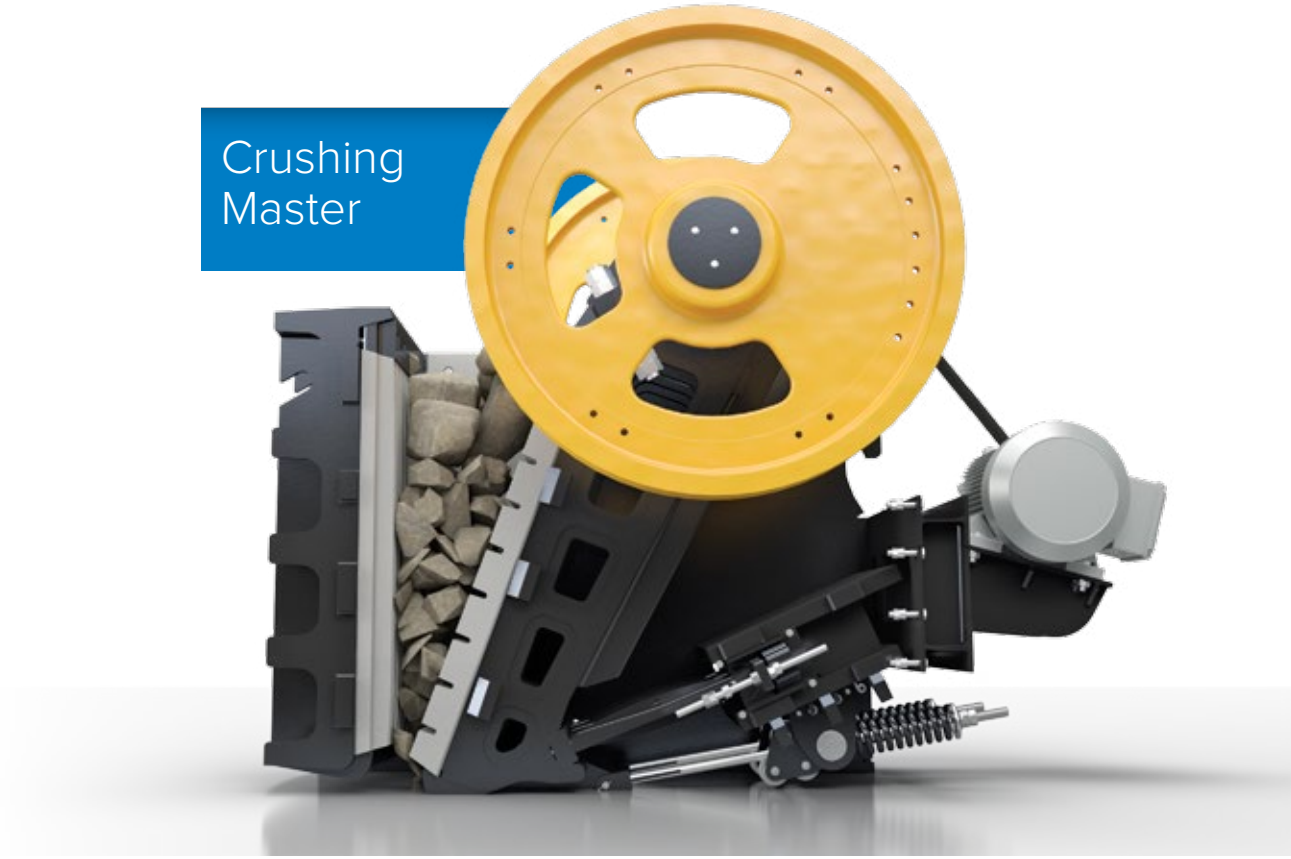
JAW CRUSHERS
PRIMARY IMPACT CRUSHERS
SECONDARY IMPACT CRUSHERS*
TERTIARY IMPACT CRUSHERS
VERTICAL SHAFT IMPACT (VSI) CRUSHERS
CONE CRUSHERS
HAMMER CRUSHERS

* 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.



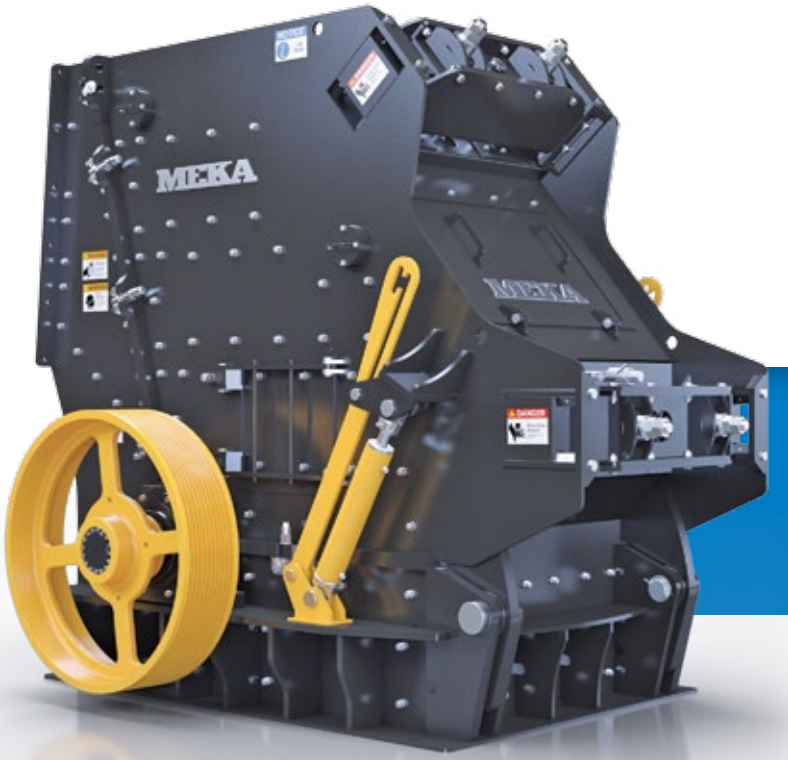
		PRIMARY					SECONDARY	
		MJ 60	MJ 65	MJ 90	MJ 110	MJ 130	MJS 90	MJS 110
Feed Opening	mm	610x380	650x500	900x650	1100x850	1300x1000	900x200	1100x350
	inch	24x15	26x20	36x24	43x33	51x39	35x8	43x14
CSS (Min - Max)	mm	40-150	40-150	60-200	100-200	125-250	25-75	25-125
	inch	1.6-6	1.6-6	2.4-8	4-8	5-10	1-3	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

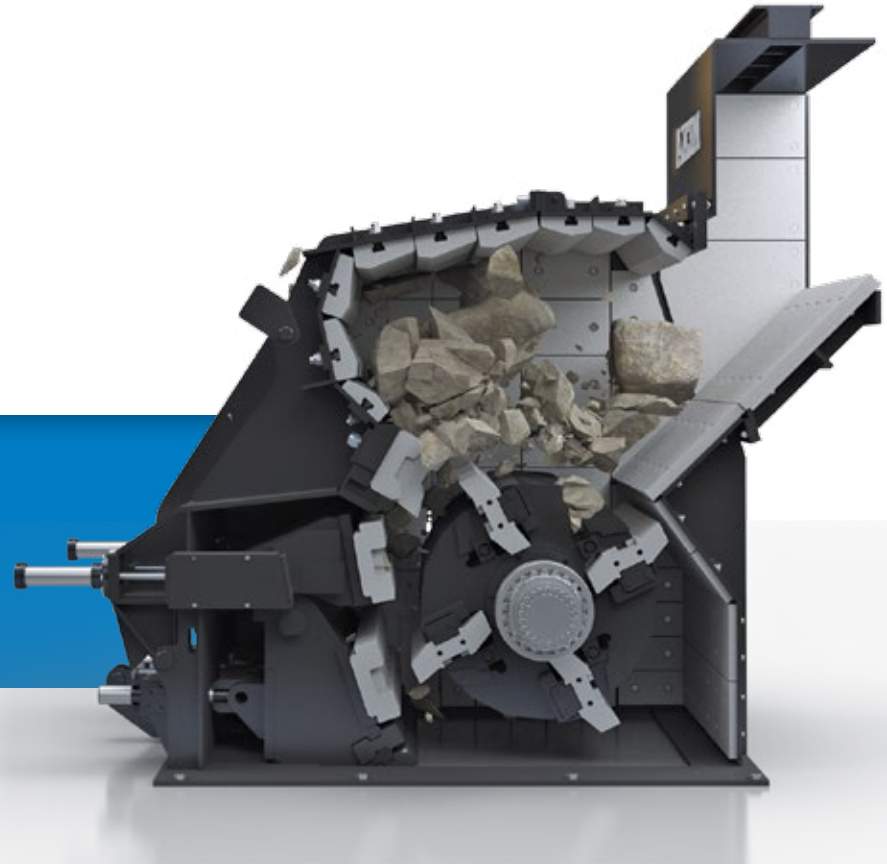
>> Results may vary depending on feed material gradation, density, moisture content, friability and crushing application.

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



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

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

MEKA

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

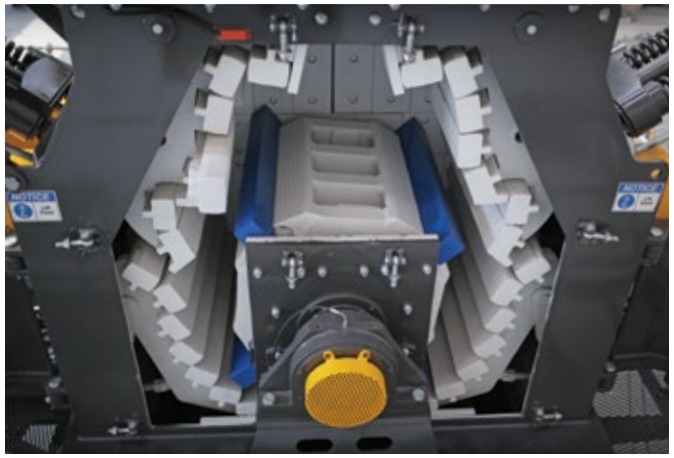
>> Results may vary depending on feed material gradation, density, moisture content, friability and crushing application.

MEKA

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



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

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

MEKA

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.

Exceptional minerals beneficiation capabilities

	Maximum Feed Size		Power		Speed	Max. Capacity		Weight	
	mm	inch	kW	HP	rpm	mtph	stph	kg	lbs
MV 90 ROR SINGLE DRIVE	50	2	200	270	800 - 1700	200	220	10900	23980
			250	340	800 - 1700	250	275	11200	24640
MV 90 ROR DUAL DRIVE	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
MV 90 ROS SINGLE DRIVE	50	2	200	270	800 - 1600	200	220	13200	29040
			250	340	800 - 1600	250	275	13500	29700
MV 90 ROS DUAL DRIVE	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
MV 90 SOS SINGLE DRIVE	75	3	200	270	800 - 1400	200	220	13600	29920
			250	340	800 - 1400	250	275	13900	30580
MV 90 SOS 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.

MEKA

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
Nominal Capacity in MTPH with Crusher Running at CSS							
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
Power	kW	90	90	90	200	200	200
	HP	125	125	125	270	270	270
Maximum Feed Size	mm	240	200	160	330	300	240
	inch	9.5	8	6.3	13	12	9.5
Nominal Capacity in MTPH with Crusher Running at CSS							
Square Hole	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

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

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

MEKA 600 TON/HOUR CAPACITY
CRUSHING SCREENING PLANT

MEKA 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^2 (22 sqft) up to 16 m^2 (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.

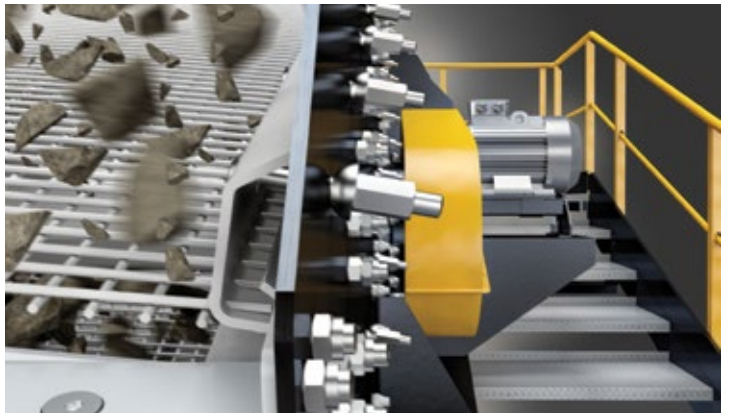
INCLINED SCREENS
HORIZONTAL SCREENS
GRIZZLY SCREENS

MEKA

INCLINED SCREENS

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^2 (22 sqft) up to 16 m^2 (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.

	Dimensions mm	feet	Number of Decks	Power kW	HP
MS 1240	1200x4000	4x13	2 / 3 / 4	7.5	10
MS 1540	1500x4000	5x13	2 / 3 / 4	15	20
MS 1650	1600x5000	5.2x16.4	2 / 3 / 4	15	20
MS 2050	2000x5000	6.6x16.4	2 / 3 / 4	18.5	25
MS 2060	2000x6000	6.6x20	2 / 3 / 4	22	30
MS 2460	2400x6000	7.9x20	2 / 3 / 4	30	40
MS 2563	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.

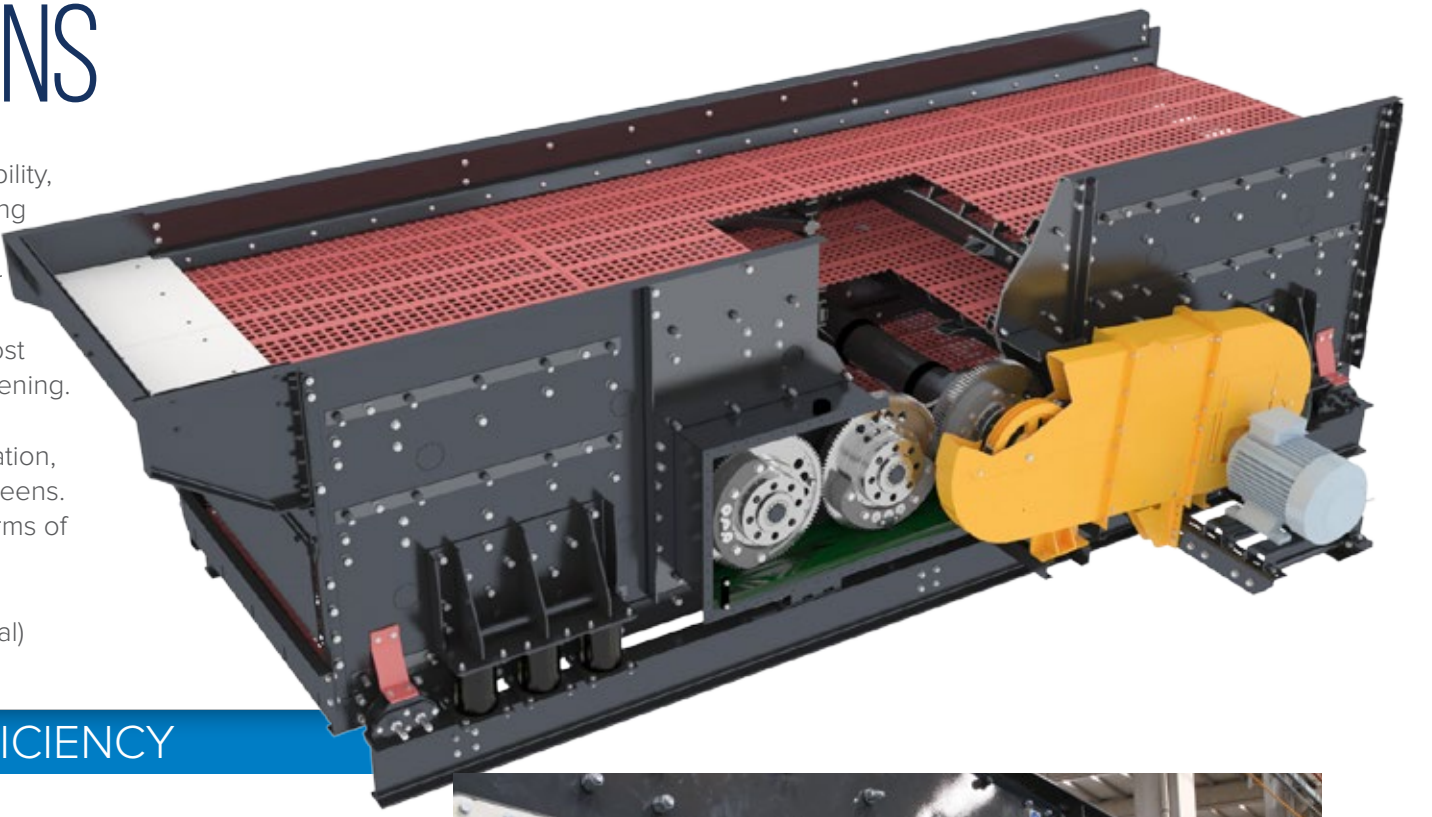
Self Tensioned Motorbase

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

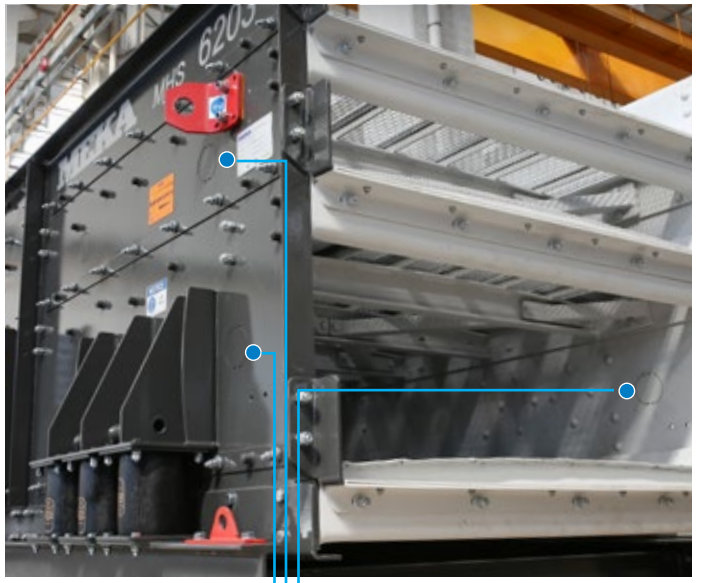
HORIZONTAL SCREENS

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.
The mounting arrangement of MEKA Horizontal Screens is with coiled springs or with reinforced rubber springs (optional) depending on the application.



ENDURANCE, CAPACITY AND EFFICIENCY

	Dimensions		Number	Power		Speed	Weight	
	mm	feet	of Decks	kW	HP	rpm	kg	lbs
MHS 1848/2	1830x4877	6x16	2	30	40	675-875	9124	20115
MHS 1848/3	1830x4877	6x16	3	37	50	675-875	10874	23973
MHS 1860/2	1830x6069	6x20	2	30	40	675-875	9576	21111
MHS 1860/3	1830x6069	6x20	3	37	50	675-875	11326	24970
MHS 2148/2	2134x4877	7x16	2	37	50	675-875	10045	22145
MHS 2148/3	2134x4877	7x16	3	37	50	675-875	11795	26004
MHS 2160/2	2134x6069	7x20	2	37	50	675-875	10675	23534
MHS 2160/3	2134x6069	7x20	3	45	60	675-875	12425	27392
MHS 2448/2	2438x4877	8x16	2	37	50	675-875	10991	24231
MHS 2448/3	2438x4877	8x16	3	45	60	675-875	12741	28089
MHS 2460/2	2438x6069	8x20	2	37	50	675-875	11517	25391
MHS 2460/3	2438x6069	8x20	3	45	60	675-875	13267	29249



Quickly Convert Washing Screen

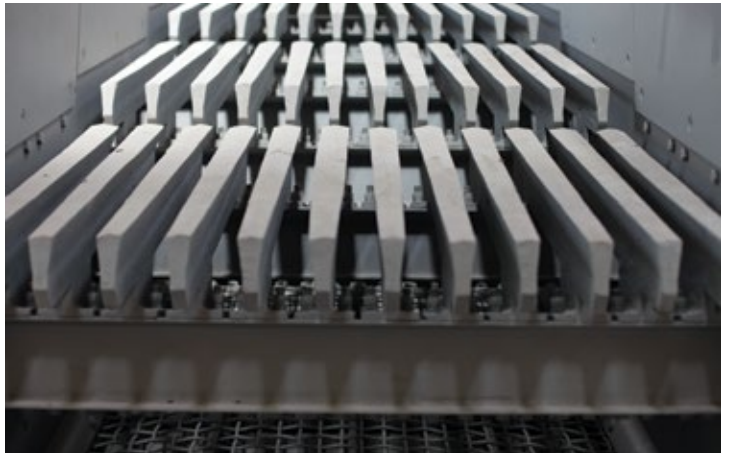
MEKA

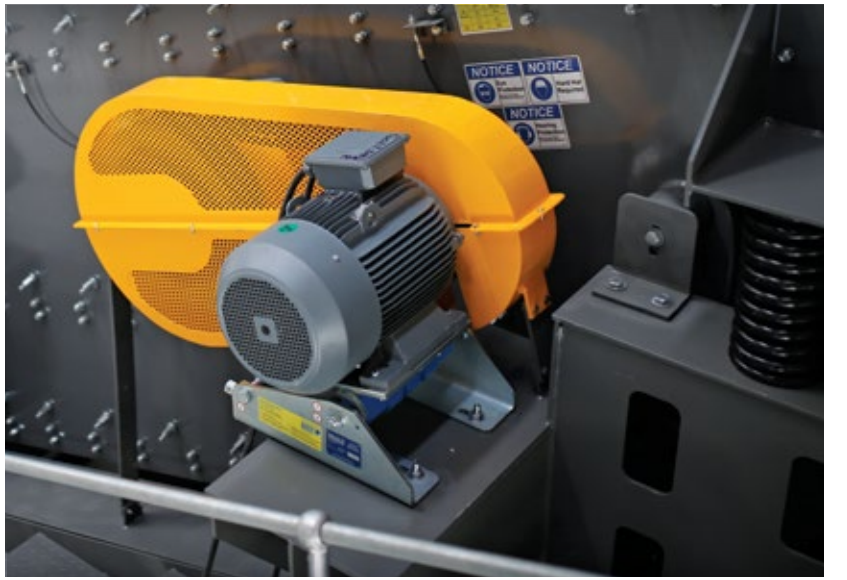
GRIZZLY SCREENS

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.

	Dimensions		Number of Decks	Power		Weight	
	mm	feet		kW	HP	kg	lbs
MGS 1230	1200x3000	4x10	2	11	15	9124	20115
MGS 1430	1400x3000	4.6x10	2	15	20	4800	10600
MGS 1640	1600x4000	5.2x13	2	18.5	25	6500	14300

Perfect preliminary screening, seperation and feeding





High quality side plates resistant to vibration

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 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.

MEKA

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.

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.

	Size (DIA x L)		Capacity		Material		Power		Screw	Weight	
	mm	inchxfeet	mtph	stph	mm	inch	kW	HP	rpm	kg	lbs
SINGLE											
MFWS0440	400x4000	16x13	20	22	10	3/8	3	4	21	1000	2200
MFWS0550	500x5000	20x16	30	33	10	3/8	4	5.5	21	1500	3300
MFWS0660	600x6000	24x20	50	55	10	3/8	5.5	7.5	21	2400	5300
MFWS0976	917x7620	36x25	100	110	10	3/8	11	15	21	6500	14300
MFWS1010	1000x10000	40x33	150	165	10	3/8	22	30	17	10500	23200
MFWS1197	1120x9700	44x32	175	192	10	3/8	18.5	25	17	10500	23200
DOUBLE											
MFWD0440	400x4000	16x13	43	47	10	3/8	2x4	2x5.5	21	2300	5100
MFWD0550	500x5000	20x16	67	73	10	3/8	2x5.5	2x7.5	21	2800	6200
MFWD0660	600x6000	24x20	100	110	10	3/8	2x7.5	2x10	21	5200	11500
MFWD0880	800x8000	32x26	200	220	10	3/8	2x15	2x20	21	7700	17000
MFWD0976	917x7620	36x25	200	220	10	3/8	2x11	2x15	21	11300	24900
MFWD1197	1120x9700	44x32	350	385	10	3/8	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.

MEKA

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.

	Size (DIA x L)		Capacity		Material		Power		Screw	Weight	
	mm	inchxfeet	mtph	stph	mm	inch	kW	HP	rpm	kg	lbs
SINGLE											
MCWS0954	928x5450	36x18	150-175	165-192	0-65	0-2 1/2	30	40	16-32	6500	14300
MCWS1163	1118x6350	44x20	200-250	220-275	0-75	0-3	37	50	16-32	9000	20000
DOUBLE											
MCWD0954	928x5450	36x18	300-350	330-385	0-65	0-2 1/2	2x30	2x40	13-26	10800	23800
MCWD1163	1118x6350	44x20	400-500	440-550	0-75	0-3	2x37	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 system

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.

	Drive		Water Consumption		Capacity		Working
	kW	HP	m^3/hr	gpm	mtph	stph	rpm
MBW60	5.5	7.5	50-75	220-330	40-60	44-60	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

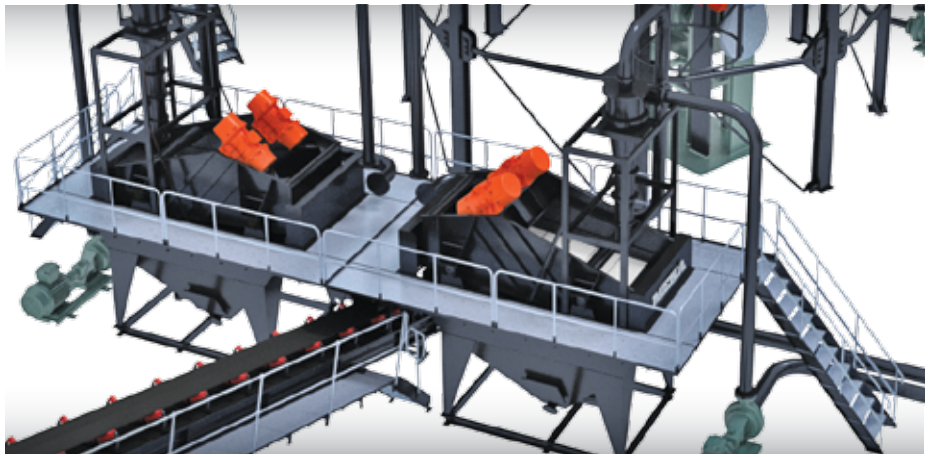
DEWATERING SCREENS

Linear motion screen 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.

	Dimensions		Screening Area		Power		Maximum Feed Capacity		Working Angle
	mm	feet	m^2	sqft	kW	HP	mtph	stph	
MDS1224	1200x2400	4x8	2.88	32	2x3.6	2x5	70	77	-5° / +5°
MDS1824	1800x2400	6x8	4.32	48	2x5	2x7	100	110	-5° / +5°
MDS1840	1800x4000	6x13	7.2	78	2x7.5	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.

	MAXIMUM CAPACITY		WATER REQUIREMENT		CYCLONE DIAMETER		SCREEN MOTOR POWER		DEWATERING SCREEN SIZE		PUMP SIZE	PUMP POWER		WEIGHT	
	mtph	stph	m^3/h	gal/min	mm	inch	kW	HP	mm	feet	inch	kW	HP	kg	lb
MCSP 1-70	70	77	140-200	440-880	500	20	2 x 3,6	2x5	1200 x 2400	4x8	8”/6”	30	40	6100	13450
MCSP 1-100	100	110	200 - 350	880-1540	660	26	2 x 5	2x7	1800 x 2400	6x8	8”/6”	37	50	8200	18100
MCSP 2-150	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
MCSP 2-200	200	220	600	2640	2 x 660	2x26	2 x 7,5	2x10	1800 x 4000	6x13	10”/8”	75	100	10000	22000
MCSP 2-250	250	275	750	3300	2 x 660	2x26	2 x 7,5	2x10	1800 x 4000	6x13	12”/10”	90	125	10200	22500

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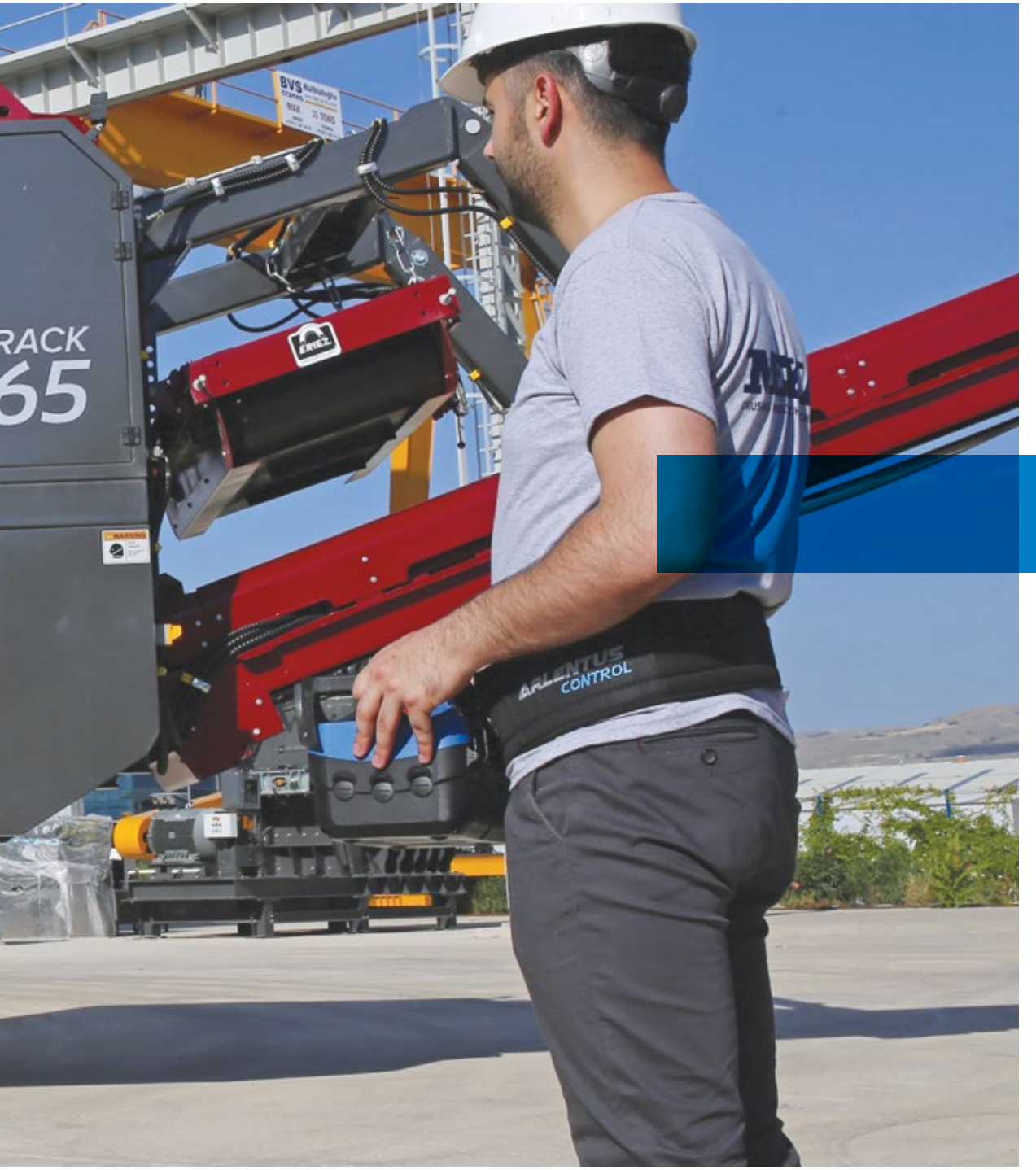


MEKA

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.

PORTABLE CRUSHING - SCREENING UNITS
TRACK MOUNTED JAW CRUSHER

MEKA

TRACK MOUNTED CRUSHER

MEKA J Series mobile jaw crushers provide true mobility with compact dimensions. MEKATRACK MTJ1165 is easy to transport between sites, provides fast set-up time and low operational costs with an excellent crushing capacity.

REMOTE CONTROL

Will control the tracking function and also provides stop and start controls for the grizzly feeder.

Crusher Feed Chute

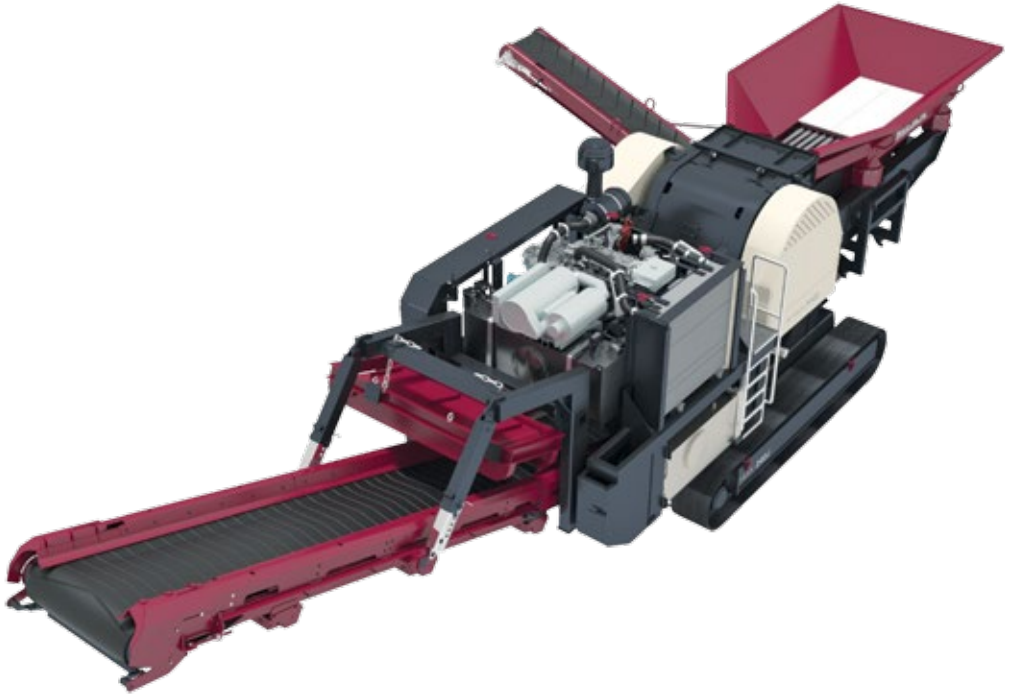
One piece fabrication with 25 mm thick on the side and 20mm thick on the top and bottom parts with wear resistant steel plate.

Grizzly Fines/Bypass Chute

A two-way dirt chute is provided to discharge to the product conveyor or the dirt conveyor. Fabricated in 6mm mild steel plate, complete with flap door to direct grizzly fines to either the side dirt conveyor or the main product conveyor.

POWERPACK

Type	: CAT™ C9.3 ACERT™
Performance	: 242 kW (325 HP) at 1700 rpm at sea level
Fuel tank capacity	: 450 Litres nominal
Fuel consumption	: 30-35 lt/hr
Clutch type	: Highly efficient, self-adjusting coupling with gearbox
Drive	: Direct drive hydraulic pumps
Access	: Easy Access canopy for all engine services



MEKA J Series mobile jaw crushers provide following advantages;

- True mobility with compact dimensions
- Easy to transport between sites
- Fast set-up time and low operational costs
- Built around the high performance J1165 jaw crusher
- Excellent crushing capacity
- Single unit for hard rock and recycle materials
- Built with proven components
- Unbeatable recycling versatility
- Advanced user friendliness and safety
- Safe and reliable process with easy control system
- High efficiency power package to ensure maximum productivity
- Environmentally friendly diesel motor
- Unmatched reliability provides maximum machine availability

MEKA

PORTABLE CRUSHING&SCREENING UNITS

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 reduction ratio.

Compact,
solid and
easy set up

	Feeder Model	Crusher Model	Belt Conveyor Dimens. mm	Belt Conveyor Dimens. inchxfeet	Transport Dimensions mm	Transport Dimensions feet	Weight kg	Weight lbs
MMG 60	MF525	MJ60	650x8000	26x26	7900x3400x3600	26x11x12	23000	50700
MMG 90	MF935	MJ90	800x7500	32x24	8400x3600x4300	28x12x14	27000	59500
MMG 110	MF1146	MJ110	1000x8000	40x26	13500x3700x4300	44x12x14	65800	145100
MMPI 1313	MF1146	MPI1313	1000x8000	40x26	14000x3600x4300	46x12x14	55000	121300
MMPI 1515	MF1450	MPI1515	1200x8000	48x26	15000x3700x4300	49x12x14	68000	149900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Extreme Power
MEKA
CRUSHING & SCREENING
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MEKA

CONVEYOR SYSTEMS

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.

The key to success and consistent results

We provide conveyor systems for any application and offer an efficient, reliable and robust material handling solution.

AUTOMATION AND PROCESS CONTROL

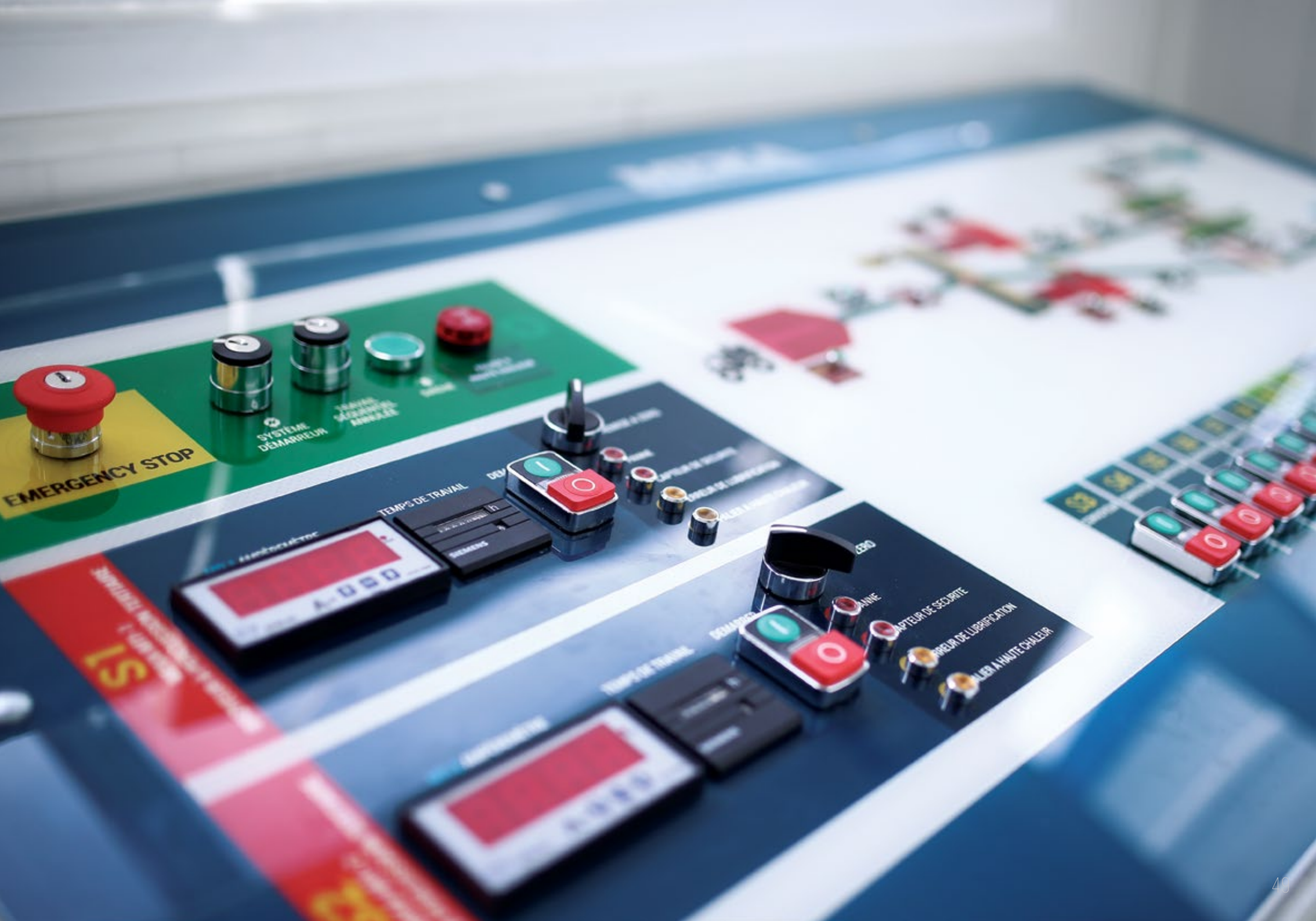
Automation has an increasingly prominent role in the development of modern crushing processes. To get the maximum performance and profit from the equipment and plants, MEKA has to offer a broad range of automation solutions from small stand-alone machine controllers to huge plant-wide production systems.

Besides automation and process control, MEKA offers extensive plant automation systems that provide real-time monitoring and control of all crushing, screening and conveying stages .

MEKA Automation and Proces Control Systems Features and Advantages

- Comfortable control cabin with air conditioning
- Control panels with high quality electrical components
- Control table with mimic diagramme of the plant
- Interlock operation
- Variable speed drive for feeders
- Soft starters
- Emergency pull-chord stop, rotation and belt alignment sensors for conveyors
- Belt Scales
- Microsoft based original software (optional)
- Manuel , semiautomatic and automatic control (optional)
- Production and stock reports (optional)
- Maintenance module and alarm monitoring (optional)

Meka automation systems make plants more efficient


EMERGENCY STOP
SYSTEME DEMARREUR
TEMPS DE TRAVAIL
SIEMENS
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