MAF SERIES

APRON FEEDERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

UNPARALLELED PERFORMANCE IN FEEDING CHALLENGING MATERIALS

MEKA Apron Feeders are built to operate in heavy-duty conditions and are indispensable when the material to be fed is moist, sticky or contains clay.

MEKA Apron Feeders are designed for demanding material handling operations in mining, ore, coal and aggregate production and offer a solution beyond your expectations with a heavy-duty chassis, drive unit, track and chain system to ensure an extremely long service life.

GENERAL APPLICATION AREAS

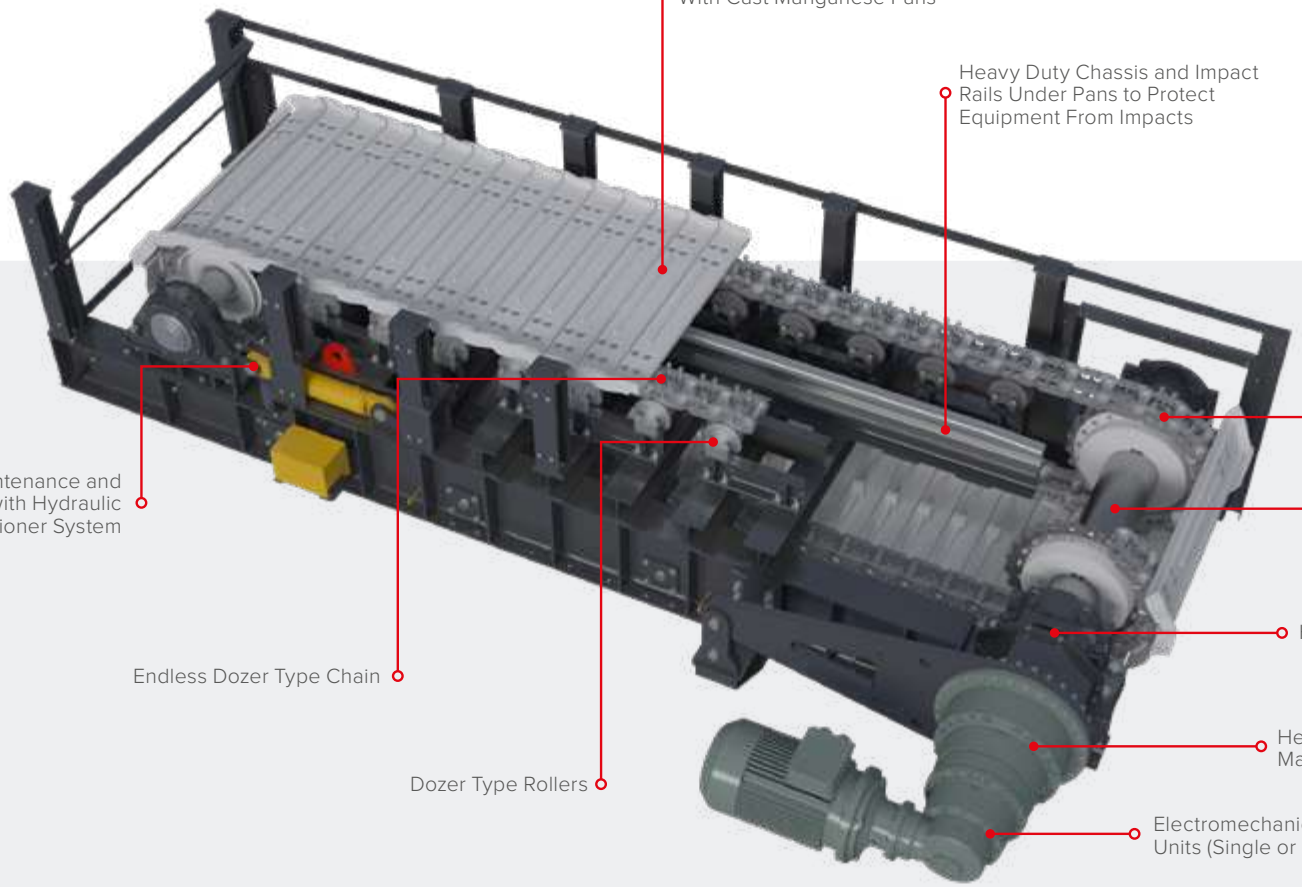
In open-cast and underground mining above and below ground material transportation

In operations such as truck and ship loading/unloading as a mobile, compact and stationary system component

Hopper unloading, primary or secondary crushing stage (feeding of the crusher or screen)

MEKA
MAF SERIES
APRON FEEDERS

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA APRON FEEDER ANIMATION

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA APRON FEEDER IS USED

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA APRON FEEDER IS USED

WHY MEKA APRON FEEDERS?

FRAME

Rugged welded construction frame to provide rigid support for intense loading conditions. Full length beams manufactured from rolled steel joists form the top and bottom members of this one piece unit. Crossmembers tie the framework together for maximum strength. Bolted onto these crossmembers are the universal beams which carry the impact rails and the carrier rollers. For ease of removing the carrier rollers, the outside carrier rollers channels are sectionalized and bolted to the cross beams.

CHAIN

Crawler tractor type track chains , sealed and lifetime lubricated , are used on all MEKA Apron Feeders . The pins and bushes are all made from heat treated alloy steel and hardened on the wearing surfaces. The chain links are drop forged for increased carrying capacity and strength. The chains can be adjusted by means of a threaded screwed take-up arrangement. Hydraulic ram adjustment is available as an option.

INSTALLATION

MEKA Apron Feeders are installed in horizontal as well as in inclined applications. Due to the special design of the pans an inclination range up to 15° can be realized. In addition the bed height of the conveyed material stays constant ensuring an equal material flow to the further process.

The high inclination also allows to built compact installations and to reduce the length of the Apron Feeder keeping the investment costs low.

WHY MEKA APRON FEEDERS?

TAIL TRACTION WHEELS

Cast steel traction wheels are lighter duty as they act purely as a directional guide to centralise the track. Long service life can be expected as there is minimal load carried on the traction wheels.

BEARINGS

Anti-friction spherical roller bearings are fitted to the head and tail shafts and housed in heavy duty plummer blocks. Bearings are grease lubricated and a grease reservoir is included in the design of the bearing housings and end caps.

DRIVE SPROCKETS

The sprockets are of the bolt on segmental type made from wear resisting alloy steel. They are designed with an odd number of teeth which increases the life of the sprocket because contact with the teeth is only completed after two revolutions. The sprockets are bolted onto keyed on hubs.

CARRYING ROLLERS

The carrying rollers are standard tractor type featuring a hardened and ground shaft fitted with a centre thrust shoulder and hardened roller. The sleeve bearings on the carrying roller takes high impact loads and, with the duo-clone seals providing lifetime lubrication an extended wear life can be assured. Closely spaced along the length of the Feeder, smooth travel on deck during operation is maintained.

HEAD DRIVE SHAFT

This heavy duty shaft is machined from high grade hot rolled steel.

WHY MEKA APRON FEEDERS?

PANS

Deep profile, cast manganese pans for high impact loading are fitted as standard and reinforced with longitudinal packers which run in close proximity to the impact rails thus preventing excessive loads being taken by the carrying rollers. All pan sets are individually machined to ensure the optimum overlap of each pan is obtained to minimise leakage. The pans are bolted to the track chain using high tensile grade bolts.

SAFETY

Complete safety guards along with the set of full guards, tail guards are provided as standard. Zero speed switch, pull chord switch and other components are provided as optional.

RETURN ROLLERS

The return rollers on the Apron Feeder are steel rollers with bearing sleeves to support the deck on its return. The rollers are mounted on a stub shaft that is fabricated onto a plate and bolted to the lower joist, providing easy maintenance,replacement of parts and lubrication.

IMPACT RAILS

These full length heavy duty steel rails are fitted to the frame to prevent permanent distortion of the pans under severe impact loading. Ample clearance is provided to ensure that the pans do not drag on the rail.

DRIBBLE CONVEYOR

As an optional extra, the 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 pans and dribble out on the return side. This feature eliminates manual clean up and saves on man hours

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

WIDTH	*CAPACITY	MAXIMUM FEED SIZE	CHAIN SPEED
(mm/ft)	mtph(stph)	mm (inch)	
900mm	110-350	380	0,1 - 0,30 m/s
(3')	121-385	(15")	20-60 fpm
1200mm	230-680	520	0,1 - 0,30 m/s
(4')	253-749	(20")	20-60 fpm
1500mm	350-1100	650	0,1 - 0,30 m/s
(5')	385-1212	(26")	20-60 fpm
1800mm	600-1750	830	0,1 - 0,30 m/s
(6')	661-1929	(32")	20-60 fpm

**Capacity Figures are provided for: 50% Bed Depth, 0,1-0,3m/s chain speed and for material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc.
Other sizes are also available on request.

TRUSTED BRAND IN MORE THAN 38 YEARS


MEKA
MEKA

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MWF SERIES

WOBBLER FEEDERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

FEEDING AND SEPARATION OF WET AND STICKY MATERIAL

Wobbler feeders, also known as disc feeders, are a type of feeder developed especially for separating wet and sticky materials. Consisting of rotating discs mounted side by side, this feeder classifies the aggregate by separating the materials into different sizes before they reach the crusher. Fine materials passing under the feeder can be directed to separate belts. In this way, wobbler feeders act as the first stage to feed directly into the crusher, allowing materials to be separated.

Wobbler feeders have a housing and consist of triangular discs and a chain drive system that rotates them. The positive motion of the rotating discs causes the material to roll forward, separating fines and allowing a balanced feed rate. With its robust structure, it is designed to operate under heavy-duty conditions.

The advantages of Wobbler feeders include the ability to operate the primary crushing unit at high capacities, separation of fines in the fed material, ideal feeding and separation for wet and sticky materials. They also require less maintenance than a screen and their self-cleaning design reduces the risk of plastering and clogging.

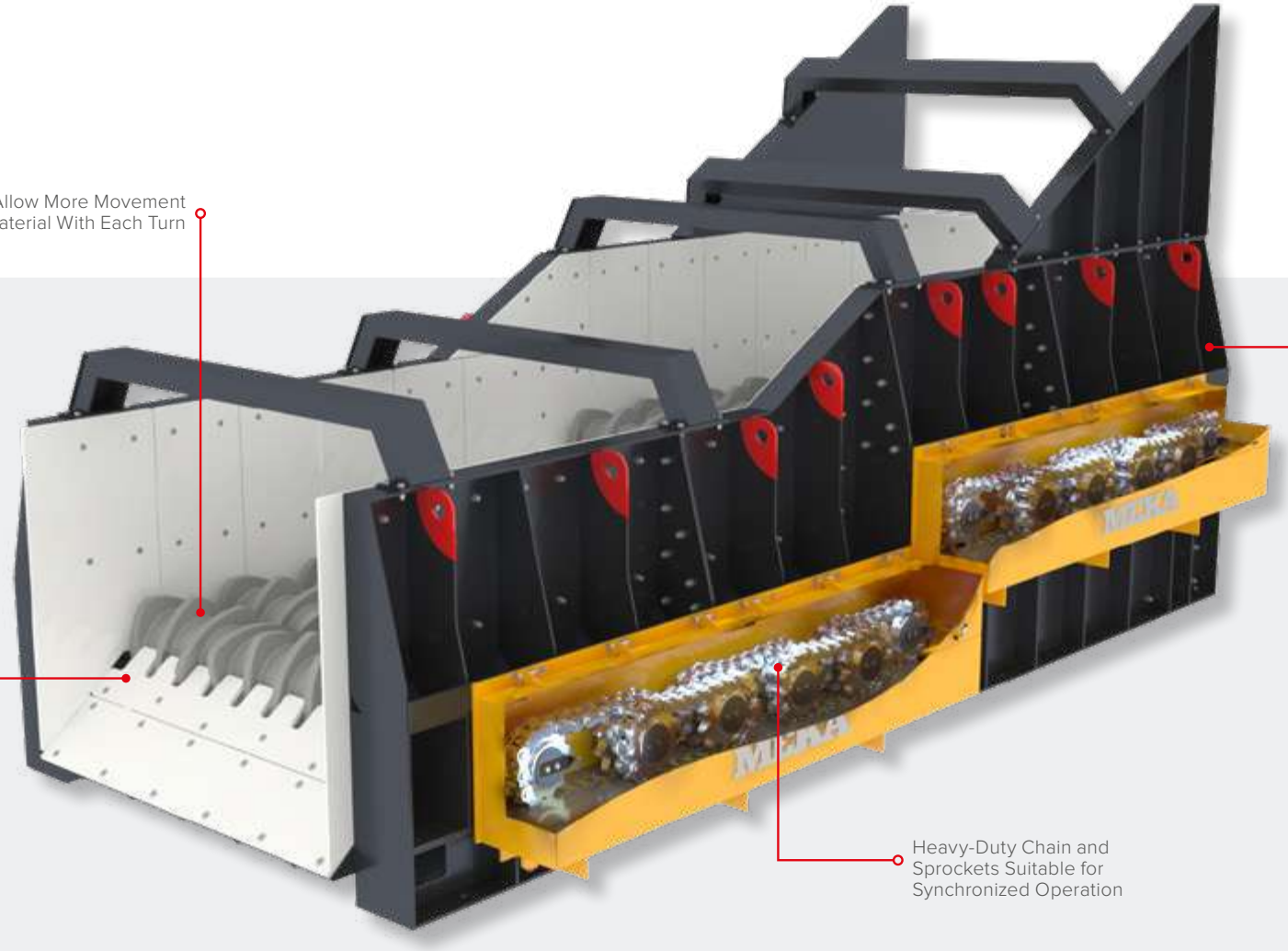
GENERAL APPLICATION AREAS

It is used in mining and aggregate plants to separate the fine material in the fed material before the primary crusher.

Other types of feeders and screens may have problems such as plastering and clogging in wet and sticky materials, Wobbler feeders are suitable for these types of materials.

Wobbler feeders are the most suitable feeder type for feeding and screening all kinds of moist, sticky ores and rocks in mining and quarry applications.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA WOBBLER FEEDER ANIMATION

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA WOBBLER FEEDER IS USED

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA WOBBLER FEEDER IS USED

ABOUT MEKA WOBBLER FEEDERS?

HOW WOBBLER FEEDERS WORK?

The Wobbler Feeder consists of a frame, triangular discs and a chain drive system used to rotate the shafts. The transmission is driven by an electric motor, a reduction gear unit and a series of chains with oil bath lubrication. The drive system connects all the shafts with a double or triple strand chain that attaches to sprockets on each bar, maintaining the 90 degree timing. This maintains the gap, or opening, between the discs at the samedimension throughout the disc rotation. The elliptical or circular shafts with self-cleaning disc rotate synchronously to each other and fine materials, sludge fragments and waste materials that are not required to enter the main crusher fall down through the opening defined in the design by gravity.

POPULAR APPLICATIONS

MEKA Wobbler Feeder is used in aggregate and mining applications to sort the run-of-mine material before the primary crusher. This scalping of the feed reduces unnecessary wear on the primary crusher. Since scalping the feed reduces the amount of material going into the primary crusher, it also reduces the required size and capacity of the crusher needed.

Depending on the application, they can be fed by an apron feeder or directly via trucks or loaders. They can also be used in secondary applications to separate already crushed feed material. MEKA Wobbler Feeder is available as a one or multi-stage device. Due to a modularization of the wobbler feeder length, almost any sizes of separation surfaces may be realized.

Plants of this type are suited for different operations in limestone, clay stone, coal, natural stone, salt, gypsum and other materials.

WHY MEKA WOBBLER FEEDERS?

COMPACT DESIGN

The compact design, resulting from the horizontal material flow, as well as a multitude of options permit the application in many ranges, above as well as underground.

LOW MAINTENANCE NEEDS

MEKA wobbler feeders are self-cleaning and designed to resist clogging and reduce blinding. They can also be equipped with an optional automatic lubrication system and discs are manufactured from cast wear metal, providing a much longer service life than plate style discs.

SAFE TO OPERATE

MEKA Wobbler Feeders operate without generating dust, vibration, or loud noise and with low energy consumption, also reduces environmental risks, ensures trouble-free feeding of especially high moist and sticky materials thanks to its long disc life and long service life.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MWF 1035	MWF 1235	MWF 1440	MWF 1640	MWF 1660	MWF 1860
Available Settings	mm	40, 60, 80, 100, 150	40, 60, 80, 100, 150	40, 60, 80, 100, 150	40, 60, 80, 100, 150	40, 60, 80, 100, 150	40, 60, 80, 100, 150
	inch	1,5", 2,5", 3", 4", 6"	1,5", 2,5", 3", 4", 6"	1,5", 2,5", 3", 4", 6"	1,5", 2,5", 3", 4", 6"	1,5", 2,5", 3", 4", 6"	1,5", 2,5", 3", 4", 6"
***Capacity**	mtph	200-300	300-400	350-450	400-600	400-650	650-1000
	stph	220-330	330-440	385-496	440-661	440-716	716-1102
Power	kW	22 kW	22 kW	30 kW	37 kW	2x37 kW	2x37 kW
	HP	29,5	29,5	40,2	49,6	2x49,6	2x49,6

**At specified inclination and for material weighing 1.6 t/m^3 or 100 lbs/ft^3. Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc. Other sizes are also available on request.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MSF SERIES

PAN FEEDERS

WITH GRIZZLY SCALPER

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

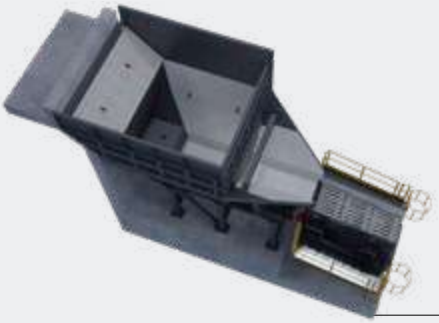
MEKA

www.mekaglobal.com

THE PRIMARY FEEDER WITH BEST FINES REMOVAL

Pan feeders with grizzly scalper consist of two main pieces of equipment: Pan Feeder and Grizzly Scalper. While the pan feeder ensures that the material is fed in an orderly manner, the grizzly scalper allows the separation of the fines in the material. Thanks to the double-deck grizzly scalper, the fine material is largely separated before it reaches the primary crusher. The material screened from the upper screen is screened again on the deck wire on the lower deck and the materials of appropriate size are fed to the crusher outlet. In this way, material losses are minimized. This system makes it possible to separate fine material before it reaches the crusher, to ensure regular feeding and to achieve high process capacity.

Pan feeders with grizzly scalper are the right choice for applications with high amounts of fine material and are used in the primary crushing unit. These feeders are ideal for separating soil and waste material before it is fed into the plant. They also allow fine material to by-pass the primary crusher, allowing the capacity of the primary crushing unit to be fully utilized. It is also an excellent choice for gravel crushing plants as it provides efficient separation.



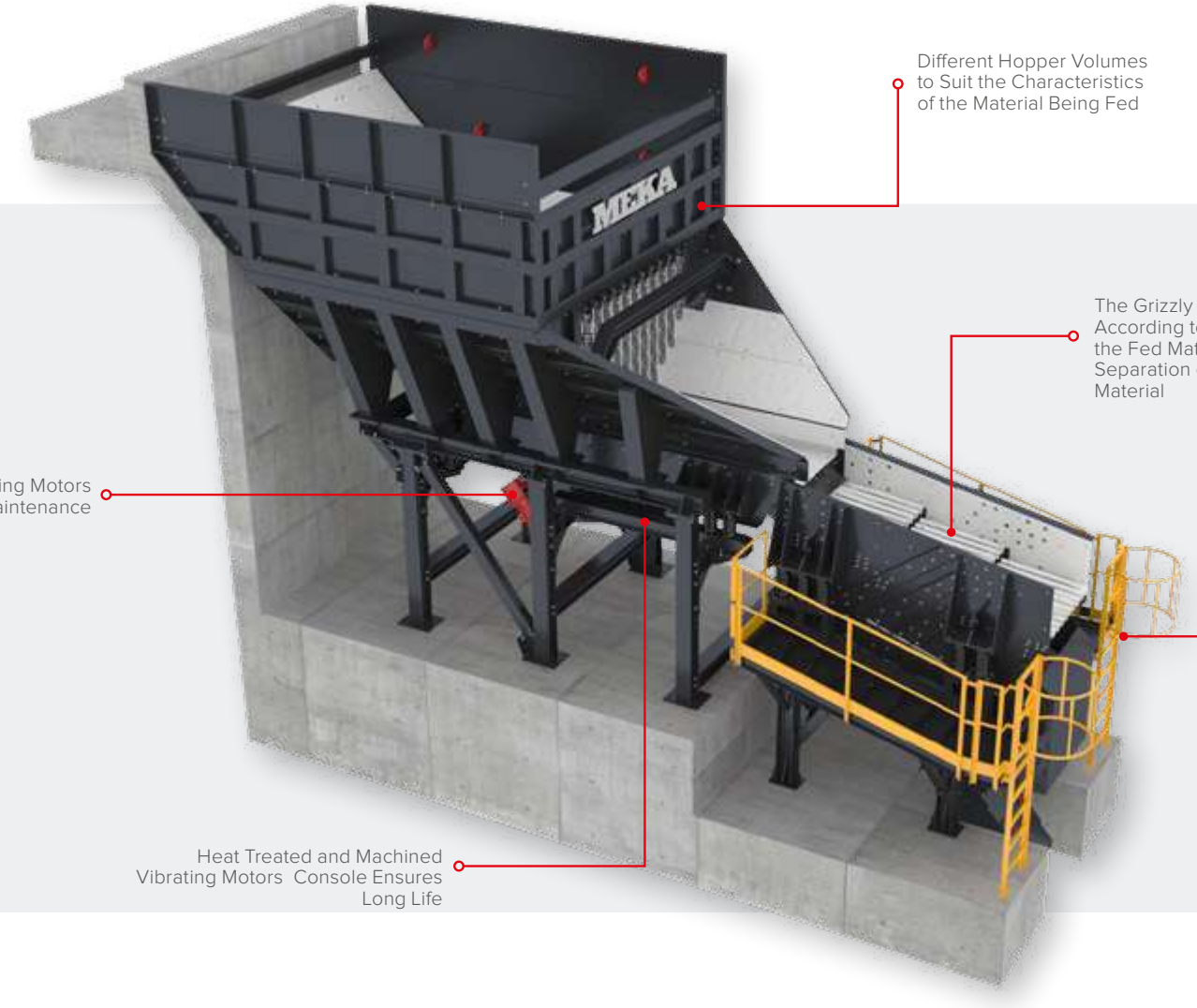
GENERAL APPLICATION AREAS

They are the most suitable feeders for applications with high amounts of fine and unwanted material.

Bypassing the fine material from the primary crusher ensures that the capacity of the primary crushing unit is fully utilized.

Ideal feeders for gravel crushing plants

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



Different Hopper Volumes to Suit the Characteristics of the Material Being Fed

The Grizzly Scalper, Selected According to the Characteristics of the Fed Material, Ensures Efficient Separation of Soil and Waste Material

High Quality Vibrating Motors Require Very Little Maintenance

Compact Installation

Heat Treated and Machined Vibrating Motors Console Ensures Long Life

WHY MEKA PAN FEEDERS WITH GRIZZLY SCALPER?

DRIVE MECHANISM

The separate scalper unit offers very good separations since it runs independently of the feeder. Consequently, the stroke length, stroke angle and motor speed can be

optimized for effective scalping and fines removal. A long stroke capability means better scalping efficiency, delivering a linear motion with high G force.

Vibration on MEKA grizzly scalpers is produced by vibrating motors which can be run at different speeds depending on the application.

Vibrator bridge is heat treated and machined which results in increased lifetime. High-Quality vibrating motors require very little maintenance.

EFFICIENCY

Adjustable high g-force vibrating motors ensure a high power to area ratio resulting in very high scalping efficiency for better feed to the crusher.

Long stroke capability: better scalping efficiency (when feed material contains high ratio of flaky material)

HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with conventional bolted assemblies create extra labor costs, increase safety risks, and reduce overall profitability because of the rupture of bolts caused by loosening nuts. Meka's MSS series grizzly scalpers with huck-bolted assembly don't require maintenance for nuts and bolts, so they help ensure workplace safety.

WHY MEKA PAN FEEDERS WITH GRIZZLY SCALPER?

HIGH QUALITY SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MSS series grizzly scalpers is made of high-tensile heat-treated 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 scalper unusable by expanding on the side plate.

SCREEN MEDIA

MEKA grizzly scalper are fitted with a stepped grizzly on the top deck and steel wire mesh on the bottom deck. Consistent with MEKA quality, the screen surface is long lasting and easy to maintain.

Shape of Scalping grizzlies result in: reduced blinding when feed is sticky and contains fines (increased capacity)

Adjustable Grizzly Bar Spacing allows to adapt the feeder to quarry.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MSF 0965	MSF 1176	MSF 1390	MSF 1690	MSF 1890
W x L / Feeder	mm x mm	900x3500	1100x4600	1300x5000	1600x5000	1800x5000
	inchxfeet	35"x13¾'	43"x15'	51"x16¾'	63"x16¾'	71"x16¾'
Drive @50hz	kW	2x5.5	2x7.5	2x12	2x13,9	2x13,9
	HP	2x7.4	2x10	2x16	2x18.6	2x18.6
Drive @60hz	kW	2x4.2	2x8	2x11	2x16.5	2x16.5
	HP	2x5.6	2x11.9	2x15	2x22.1	2x22.1
Exciter Drive	kW	-	18,5	22	30	37
	HP	-	25	30	40	50
	Speed	-	500-800	500-800	500-800	500-800
W x L / Scalper	mm	1000x3000	1200x3000	1400x4000	1900x4000	1900x4000
	feet	3¼'x10'	4'x10'	4½'x13'	6¼'x13'	6¼'x13'
Power @50hz	kW	2x6.1	2x7.5	2x12	2x22,6	2x22,6
	HP	2x8.3	2x10	2x19.4	2x30	2x30
Power @60hz	kW	2x7.5	2x10.6	2x16.5	2x30	2x30
	HP	2x10	2x14.2	2x22.1	2x40	2x40
***Capacity**	mtph	250-400	400-640	500-825	650-1000	700-1120
	stph	275-440	440-705	551-909	716-1102	771-1234
Maximum feed size	mm	600	800	900	1200	1350
	inch	24"	32"	35"	47"	53"

**At specified inclination and for material weighing 1.6 t/m^3 or 100 lbs/ft^3.Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MVF SERIES

VIBRATING FEEDERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

SOLUTIONS FOR FLEXIBLE CRUSHER FEEDING

The design and wide size range of MEKA pan feeders is adapted to make proper access around crushers possible and decrease the total cost of the installation.The versatile design can be mounted on support springs or hung from cables, depending on the location and application.Sometimes fed by a dump truck or a front end loader, or directly from under a stockpile. Whatever type of feed is required and dependent upon the type of the feeder installed, the feed rate is controlled by the machines vibration frequency and often the controls, which can be manual or automatic and can be programmed to receive a signal from a PLC

The high capacity vibrator motors generate up to 10mm stroke for maximum production in most any materials from small granular materials to large lumps produced from primary crushers. A wide range of sizes is available to suit your needs. Many feeder lengths make installation flexible and can reduce your total cost of installation. Removable pan extensions are available for some sizes to suit installations where, for instance, access for maintenance above a Crusher is critical. Heavy duty version with larger drive and heavier design is available for all sizes to make sure you get a feeder with the resilience and capacity you need.

GENERAL APPLICATION AREAS

They are used under hoppers, in tunnel applications under open stockpiles, at crusher inlets and outlets for regular feeding of material in order to achieve maximum efficiency in crushing and screening plants.

Thanks to high quality vibrating motors, they provide efficient feeding of very fine and coarse materials.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL

WHY MEKA VIBRATING FEEDERS?

DRIVE

The dual unbalanced motors fitted to the rear of the feeder rotate in opposite directions and self-synchronize to give the feeder pan it's linear motion. This action lifts the material and carries it forward on each rotation providing a constant feed rate. The self synchronization means that no gearbox or other transmission is needed.

The feed rate can either be adjusted by repositioning weight segments in the drive or during operation using a optional variable speed control. (Frequency Converter)

Heavy duty vibrating motors are lubricated for life which minimize maintenance.

BODY

Robust, all welded feeder body with high sidewalls effectively prevent spillage and simplify feed chute design.

LINERS

Replaceable AR bolted wear liners on sides and pan protect the feeder for maximum life.

SPRINGS

Coil spring suspensions provide smooth running and support in severe applications.

SIZES AND MOUNTING ARRANGEMENT

Wide range of sizes and options available for both construction and mining duties.

Both base mounted and suspended installations available with adjustable inclination. Low Profile design fits well in tunnels and under hoppers.

Prepared for simple dust encapsulation. Adjustable inclination from 0-12 degrees to adapt to different materials and installation requirements.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MVF 6515	MVF 8517	MVF 1020	MVF 1220	MVF 1520	MVF 1020C	MVF 1320C	MVF1520C
WidthxLength	mm x mm	650x1500	850x1700	1000x2000	1200x2000	1500x2000	950x2025	1300x2000	1450x2025
	inchxfeet	25"x5'	33"x5½"	39"x6½'	47"x6½'	59"x6½'	37½"x6½'	51³/16" x 6³/5'	57¹/16" x 6¹/2'
Power @50hz	kW	2x0.9	2x1.96	2x1.96	2x2.2	2x3.2	2x1,96	2x2,2	2x2,2
	HP	2x1.2	2x2.8	2x2.8	2x2.95	2x4.3	2x2.62	2x2,95	2x2,95
Power @60hz	kW	2x0.9	2x2.3	2x2.3	2x2.3	2x3	2x2,3	2x2,3	2x2,3
	HP	2x1.2	2x3	2x3	2x3	2x4	2x3	2x3	2x3
***Capacity**	mtph	100-180	180-275	220-400	250-500	300-600	220-400	300-550	400-650
	stph	110-198	198-302	242-440	275-550	330-660	242-440	330-605	440-715
Maximum Feed Size	mm	200	260	300	330	460	300	400	460
	inch	8	10	12	13	18	12	16	18

** At specified inclination and for material weighing 1.6 t/m³ or 100 lbs/ft³.Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc..*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

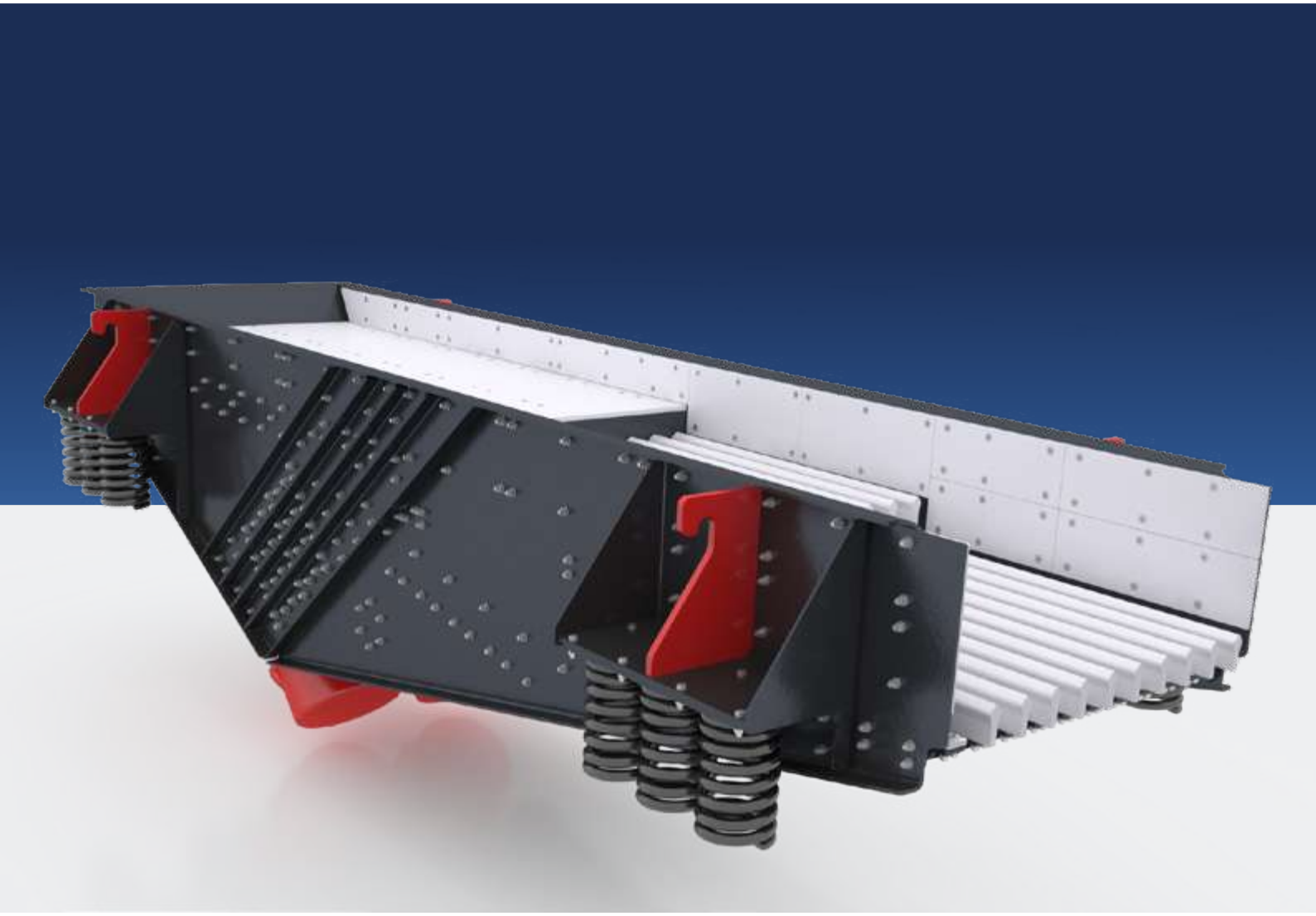
Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MGF SERIES

GRIZZLY FEEDERS



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

HIGH CAPACITY FOR COARSE MATERIAL FEEDING

MEKA Grizzly Feeders are designed for superior performance in the toughest conditions. They have a durable body with high resistance to abrasion. The heat-treated drive console and high-quality vibrating motors or eccentric shaft drive systems guarantee maximum efficiency, reliable feeding and long-term, effective operation with minimal breakdowns.

These feeders are used in the primary feeding stage for simultaneous feeding and separation. Vibrating motors located on the feeder body produce linear motion, ensuring regular material feeding. The grizzly opening of the feeder is determined according to the distribution of the material to be fed and the crusher discharge setting. Thus, materials smaller than the crusher setting are prevented from entering the crusher, while fine materials are separated through the grizzly before reaching the crusher.

MEKA Grizzly Feeders increase the efficiency of the plant, ensuring even distribution of the material on the feeder table and regular material flow. The conical and deep profile design of the grizzly prevents material plastering and clogging of the grizzly. In addition, the size of the separation can be controlled thanks to the adjustable opening of the grizzly. With the double vibrating motor drive system, the material feed speed can be adjusted by changing the eccentric weight positions.

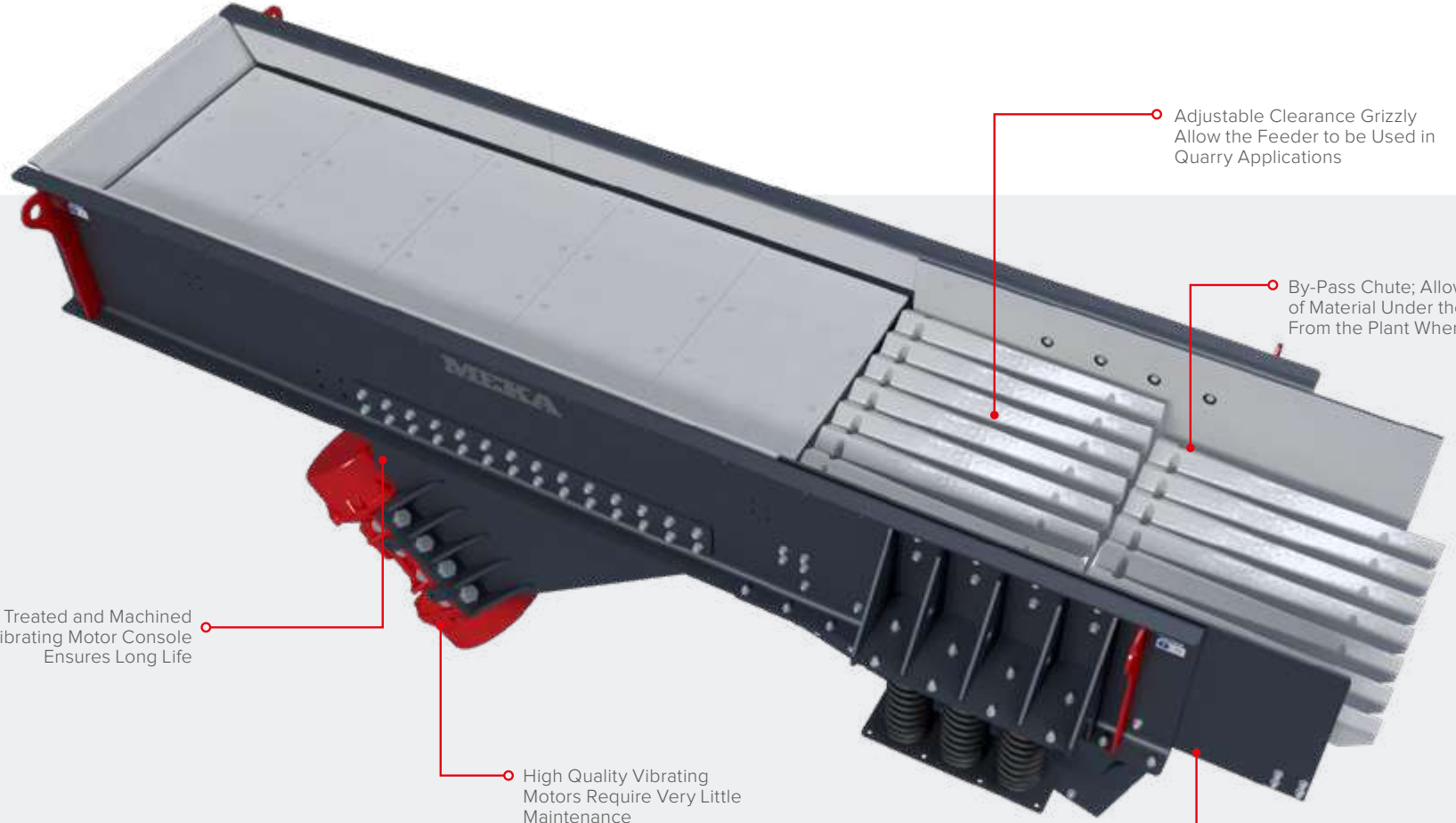
Designed for different applications such as basalt, limestone, recycling material and river stone feeding.

GENERAL APPLICATION AREAS

They provide high production and long service life in a wide range of demanding applications.

They can be used in different applications such as basalt, limestone, recycling material, river stone feeding.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



WHY MEKA GRIZZLY FEEDERS?

IMPACT RESISTANCE

The heavy duty design of the feeder pays off in open pit applications with coarse feed of up to 1000 mm to match large jaw crushers and primary impact crushers. Besides handling large feed rates with coarse blasted rock,

a primary feeder must also take the material impact from dump trucks or wheel loaders.

BODY

- The feeder's body is all welded for maximum impact rigidity. This robust design enables to accept the material impacts from dump trucks or wheel loaders.
- Large stroke high agitation motion results in a high capacity feeder with superior grizzly separation
- High strength steel in the pan and deep side plates improve the overall strength of the entire feeder weldment.
- Deep side plates to minimize spillage
- Suspended on heavy-duty coil springs for minimum transmission of dynamic loads.
- Replaceable pan liners available in a variety of materials to meet your material and workload requirements, including:
  - Mild steel
  - abrasion resistant steel
  - Stainless steel
  - Rubber
- Heavy coil spring support system for longer life, less downtime.

VERSATALITY

Wide MEKA grizzly feeder range includes different types of feeders to be used in small mobile crushing units to extra heavy mining applications. MEKA can custom engineer virtually any size to meet your specifications. Configurations can be custom engineered for your operation with up to three grizzly decks.

GRIZZLY

Tapered, bolt-in grizzly bars with deep profile; The grizzly bars are extra deep with an accentuated taper. This deep profile combined with the taper minimizes the occurrence of plugging and blinding. The bolt-in bars allow for a wider range of bar spacing to better match the crusher setting in any given application. They also provide greater control over the separation of fines.

DUAL VIBRATING MOTOR DRIVE

Unbalanced vibrating motors provide a flexible and reliable operation with high availability. The dual unbalanced electric motor drive makes a simple stepless feed rate adjustment possible using a frequency converter.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

	Spec	Unit	MGF 0630	MGF 0942	MGF 1152	MGF 1160	MGF 1260	MGF 1360	MGF 1460	MGF 1660
	WidthxLength	mm x mm	650x3000	900x4200	1100x5200	1066x6000	1200x6000	1300x6000	1400x6000	1600x6000
		inchxfeet	25,6''x10'	35''x14'	43''x17'	43''x20'	47''x20'	51''x20'	55''x20'	63''x20'
	*Capacity	mtph	100-200	250-400	400-640	400-640	450-750	500-825	550-875	650-1000
		stph	110-220	275-440	440-706	440-706	495-825	550-907	605-960	715-1100
	Length of Grizzly		Single Section	Single Section	Double Section	Double Section	Double Section	Double Section	Double Section	Double Section
		mm	1000	1500	2000	1400	2800	2000	2800	2000
		inch	40	61	79	55	110	79	110	79
	Max. Feed Size	mm	350	600	800	800	900	975	1050	1200
		inch	14	24	32	32	36	38	41	47
Vibromotor	Power @50hz	kW	2x3,2	2x6.1	2x10.1	2x10,1	2x11.9	2x13.9	2x13.9	2x13,9
Vibromotor	Power @50hz	HP	2x4,3	2x8	2x13.6	2x13,5	2x16	2x18.9	2x18.9	2x18,9
Vibromotor	Speed	RPM	1000	1000	1000	1000	1000	1000	1000	1000
Vibromotor	Power @60hz	kW	2x3.4	2x7.5	2x10.6	2x10,6	2x11	2x16.5	2x16.5	2x16.5
Vibromotor	Power @60hz	HP	2x4.5	2x10	2x14.2	2x14,2	2x14.7	2x22.1	2x22.1	2x22.1
Vibromotor	Speed	RPM	900	900	900	900	900	900	900	900
Exciter Drive	Power	kW	-	-	22	22	22	30	30	37
Exciter Drive		Hp	-	-	30	30	30	40	40	50
Exciter Drive	Speed	RPM	-	-	500-800	500-800	500-800	500-800	500-800	500-800

** At specified inclination and for material weighing 1.6 t/m^3 or 100 lbs/ft^3.Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc..*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MBF SERIES

BELT FEEDERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

REGULAR FEED, MAXIMUM PLANT EFFICIENCY

MEKA Belt Feeders ensure that materials are fed from one equipment to another at various stages of the crushing plants in a regular manner and at the desired capacities. Offering an efficient material flow, these systems optimize production processes by increasing the overall performance of the plant.

The belt feeder consists of a rubber belt supported by a drive unit and rollers. The carrying and return rollers are horizontal and the conveyor rollers are close together. This design is built to match the length and width of the belt and ensures smooth and controlled feeding of the material.

Electric motors and gearboxes are generally used for the drive system. With heavy-duty motorized gearboxes, the efficiency of the system is increased by providing maximum power transfer. With its durable construction, low operating costs and ease of maintenance, MEKA Belt Feeders offer a reliable feeding solution for crushing plants.

The required belt speed is determined at the design stage using the appropriate drive equipment and the feeding capacity can be adjusted with an optional frequency converter. Heavy-duty motorized gearboxes maximize the use of motor power. Easy operation and maintenance is ensured with lubrication-free bearings and grease-lubricated roller bearings.

GENERAL APPLICATION AREAS

Belt Feeders are designed for the most severe working conditions and are suitable for long-term, efficient operation.

They are used in Mining and Aggregate Production Plants to feed material from intermediate hoppers to crushers, screens and conveyors regularly and at desired capacities.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL

Adjustable Outlet Cover for Capacity Adjustment

High Torque Transmission Through The Use Of Motorized Gearboxes

Direct Connection Feature Under the Hopper

Heavy-Duty Belt Scrapers Ensure a Clean Working Environment

Abrasion-Resistant Linings On The Feed and Discharge Chute

WHY MEKA BELT FEEDERS?

HEAVY DUTY DESIGN

The rugged design and features such as robust heavy-duty rollers, frames, abrasion resistant liners and chute work help significantly increase service life.

EASE OF MAINTENANCE

Components are easy to access, which simplifies the maintenance process, so spare and wear parts can be quickly and easily replaced with minimal downtime.

VERSATALITY

- Belt speed range: 0.01 - 0.6 m/s (i.e. adjusted when drive components selected), or with optional frequency converter)
- Material height adjusting gate range: selected based on the biggest lump size of the handled material and can be adjusted typically 75 - 120 mm from factory preset value
- Installation inclination: standard horizontal,
- Mounted from structures above

DRIVE

- Power transmission through bevel hollow shaft gear, or planetary gear directly from motor
- Oil bath lubrication in gearbox, idlers prelubricated for lifetime, housings grease lubrication
- Belt tightening is maintained by screw take-up device,

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MBF 6525	MBF 8025	MBF 1025	MBF 1225
WidthxLength	mm x mm	650x2500	800x2500	1000x2500	1200x2500
	inch x feet	26"x8'	31"x8'	40"x8'	48"x8'
Power	kW	3	4	5,5	7,5
	HP	4	5,3	7,4	10
*Capacity	mtph	250	350	450	550
	stph	272	385	495	606
Belt Speed	m/sec	0,35	0,35	0,35	0,35
	fpm	70	70	70	70
Max Feed Size	mm	100	150	150	150
	inch	4"	6"	6"	6"

** At specified inclination and for material weighing 1.6 t/m^3 or 100 lbs/ft^3. Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc.*
Other sizes are also available on request..

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MJ SERIES

JAW CRUSHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

HEAVY-DUTY JAW CRUSHERS UNMATCHED RELIABILITY AND PERFORMANCE

Single Toggle MEKA Jaw Crusher is designed for applications where cost-efficient primary reduction of hard, abrasive materials is concerned. Representing the highest technical and manufacturing knowledge, our heavy duty crushers match the most arduous crushing conditions encountered. These rugged crushers are manufactured with heavy duty parts for constant operation and long life, resulting in:

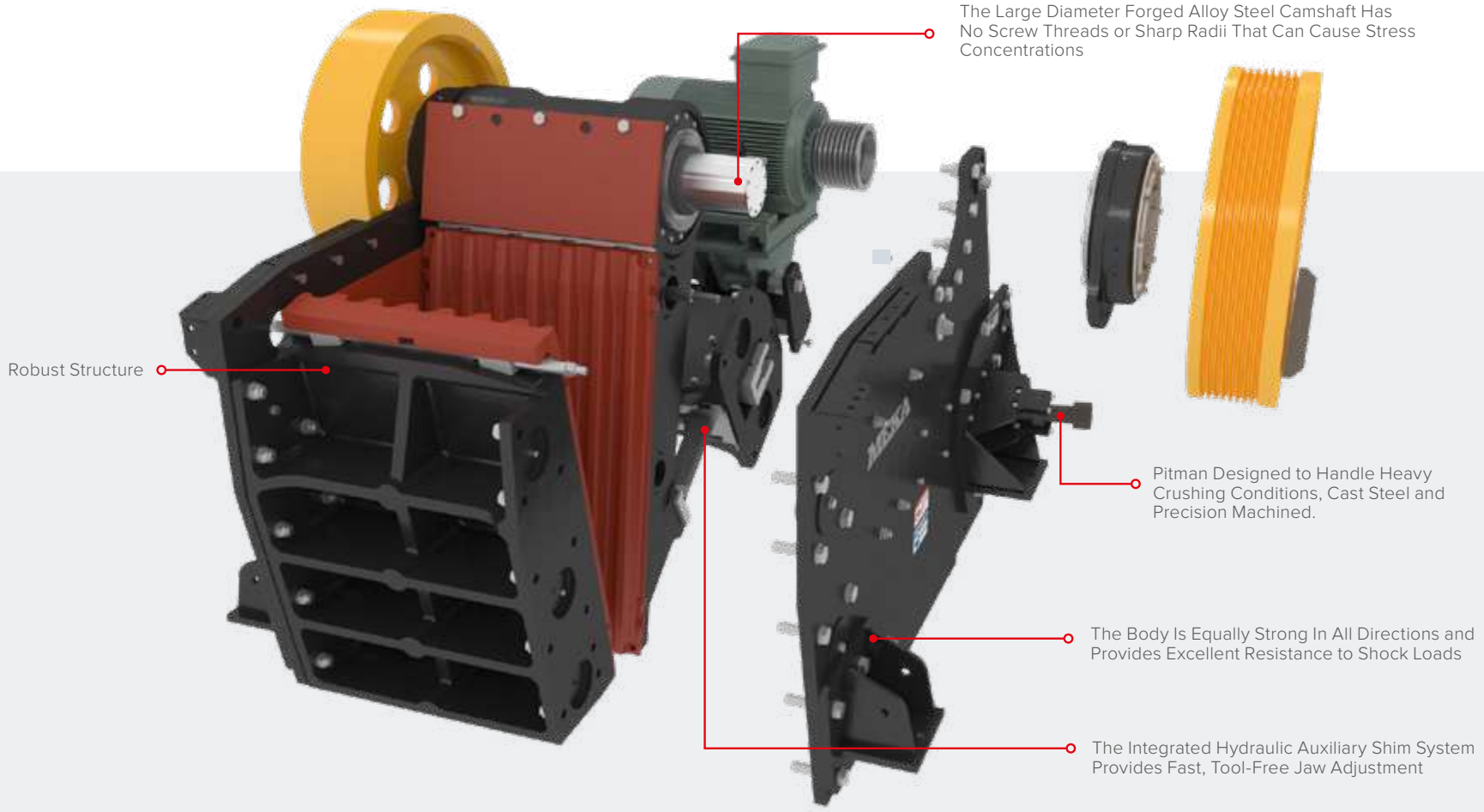
- High capacity
- High reduction
- Low jaw plate wear
- Large feed acceptance capability

The design of the deep crushing chamber maximizes feed size, capacity and reduction. Large material lumps entering the crusher fall straight into the active region of the crushing chamber.

An optimized nip angle ensures that the material progresses smoothly down through the crushing chamber to enable high reduction, productivity and superb utilization of jaw plates. This, combined with high-quality cast steel components and premium spherical roller bearings, means exceptionally high crusher availability, cost-efficient crushing and low cost per ton. MEKA highly versatile jaw crushers offer reliable operation and adaptability in mining, quarrying and recycling. Typical applications for jaw crushers are;

- Ore Mining
- Rock Querries
- Sand and Gravel
- Construction aggregates
- Recycled concrete (concrete, asphalt, etc.)
- Industrial Applications (slag, anodes, metallurgy, chemical industries etc.)

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA JAW CRUSHER ANIMATION

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA JAW CRUSHER ARE USED

WHY MEKA JAW CRUSHER?

MAIN FRAME

The frame consists of two side plates of low carbon steel plate, reinforced with ribs, plus hollow castings at front frame end and moving jaw which give a high rigidity/weight ratio. Large-radius transition areas reduce stress concentrations and welds are positioned in low-stress areas.

Thermal stress relief and shot-blasting produces a solid one-piece unit and all mounting surfaces are fully machined accurately to align critical components.

FLYWHEEL

Large diameter, heavy flywheels provide the necessary inertia for crushing the hardest of materials while minimizing vibration resulting in smooth running operation. Flywheel hubs of our jaw crushers are equipped with special locking assembly which connects flywheels to the eccentric shaft. This system ensures that the flywheel is held safely and tightly on the shaft. This feature is important as the crusher has to be brought into operation under load, resulting from unforeseen stoppages.

CAST STEEL AND PRECISION MACHINED PITMAN

The pitman is made of high-quality cast steel and is propelled by two massive cast steel or iron flywheels. A very large eccentric shaft and four large spherical roller bearings ensure the greatest reliability even under the most severe crushing conditions. The grease-lubricated bearings are kept free from contamination by means of well-proven labyrinth seals.Cast steel pitman is designed for easy maintenance and can be removed from the frame as an assembly.

WHY MEKA JAW CRUSHER?

BEARINGS

MEKA jaw crushers incorporate large and sturdy eccentric shaft bearings. Their high load bearing capacity and effective labyrinth seals result in considerably long bearing lifetimes. Heavy duty self aligning double row roller bearings on both pitman and main frame absorb the side thrust and heavy radial loads without damage to themselves or the shaft, assuring pitman guidance and constant shaft alignment.

Bearings are grease-lubricated and have greasefilled labyrinth dust seals to protect the bearings from dust and water.

As a standard, automatic lubrication system with a central distribution block and lubrication hoses offer safety value and make it easier for the operator to grease the bearings.

The single piece cast steel frame bearing housings ensure a perfect fit to the crusher frame. They also prevent unnecessary loads to the frame bearings. Side bearings are mounted in removable housings for easier maintenance possible in a clean environment to protect bearings from contamination.

MAIN SHAFT

Forged from hardened and tempered alloy steel (chrome-moly-nickel) with particularly large diameters to suit heavy-duty applications, and can withstand extreme temperatures. High fatigue resistance due to a fine finish and the elimination of screw threads and sharp radii which can contribute to stress concentrations.

WHY MEKA JAW CRUSHER?

JAWS

Jaw plates are designed to give high performance and low operating costs. High quality material and experienced design ensure quality parts. Back faces of all jaw plates are machine ground to provide firm support and are fully reversible. Quick and easy installation of jaw plates is achieved by using clamping wedges to fix the jaw plates to the crusher. Jaw plates specifically designed and selected for each application are resistant to wear and impact.

Fine tuning in applications are ensured through the available range of alternative jaw plate designs. The tooth profiles as well as the thickness of the plates are optimized and combined with the right manganese steel alloys to maximize throughput and minimize operating costs.

TOGGLE PLATE

The optimal-angle toggle plate generates extra crushing force and at the same time provides security for the drive system. This type of toggle system has the following advantages;

- No lubrication whatsoever is required,
- The system can handle far greater crushing pressures,
- The life factor of toggle and seats is many times greater

ADJUSTMENT

MEKA jaw crushers are equipped with hydraulic assisted adjustment mechanism. This system facilitates easy and fast adjustment of discharge setting according to the required product curve. Adjustment of the discharge setting may be done by inserting or removing of adequate number and thickness of shim plates. The movement of the adjustment block is achieved by means of a hand operated hydraulic pump.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Model		MJ 60	MJ 65	MJ 70	MJ 90	MJ 110	MJ 130	MJ 110C	MJ 120C	MJ 150C	MJS 90	MJS 110
Feed Opening	mm	610 x 380	650 x 500	700 x 400	900 x 650	1100 x 850	1300 x 1000	1070 x 770	1200 x 870	1400 x 1200	900 x 200	1100 x 350
	inch	24 x 15	25,6 x 19,6	27,6 x 15,7	35,4 x 25,6	43,3 x 33,5	51,2 x 39,4	42,1 x 30,3	34 x 47	55 x 47	35,4 x 8	43,3 x 13,8
CSS (Min - Max Setting)	mm	40 - 150	40 - 150	30-100	60 - 150	100 - 200	125 - 250	75 - 210	70 - 175	125 - 250	25-75	25-100
	inch	1,57-5,9	1,57-5,9	1,18 - 3,93	2,4 - 5,9	3,9 - 7,9	4,9 - 9,8	2,9 - 8,2	2,75 – 6,9	4,9 – 9,9	1-2,9	1-3,9
*Capacity	mtph	20 - 80	25 - 100	25 – 110	50 - 200	100 - 300	275 - 600	135 - 340	175 - 595	340 - 970	10-80	40-200
	stph	22 - 88	27 - 110	27 - 121	55 - 220	110 - 330	303 - 661	148 - 374	192 - 655	374 - 1069	11 - 88	44 - 220
Power	kW	30	45	45	75	132	160	110	160	200	30	75
	Hp	40	60	60	100	180	220	150	200	300	40	100
**Weight	kg	6000	7000	4200	11400	33000	43000	19000	27990	55400	6000	11000
	lbs	13228	15432	9259	25132	72752	94798	41887	61710	122136	13228	24250

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.*

*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MPI SERIES

PRIMARY IMPACT CRUSHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

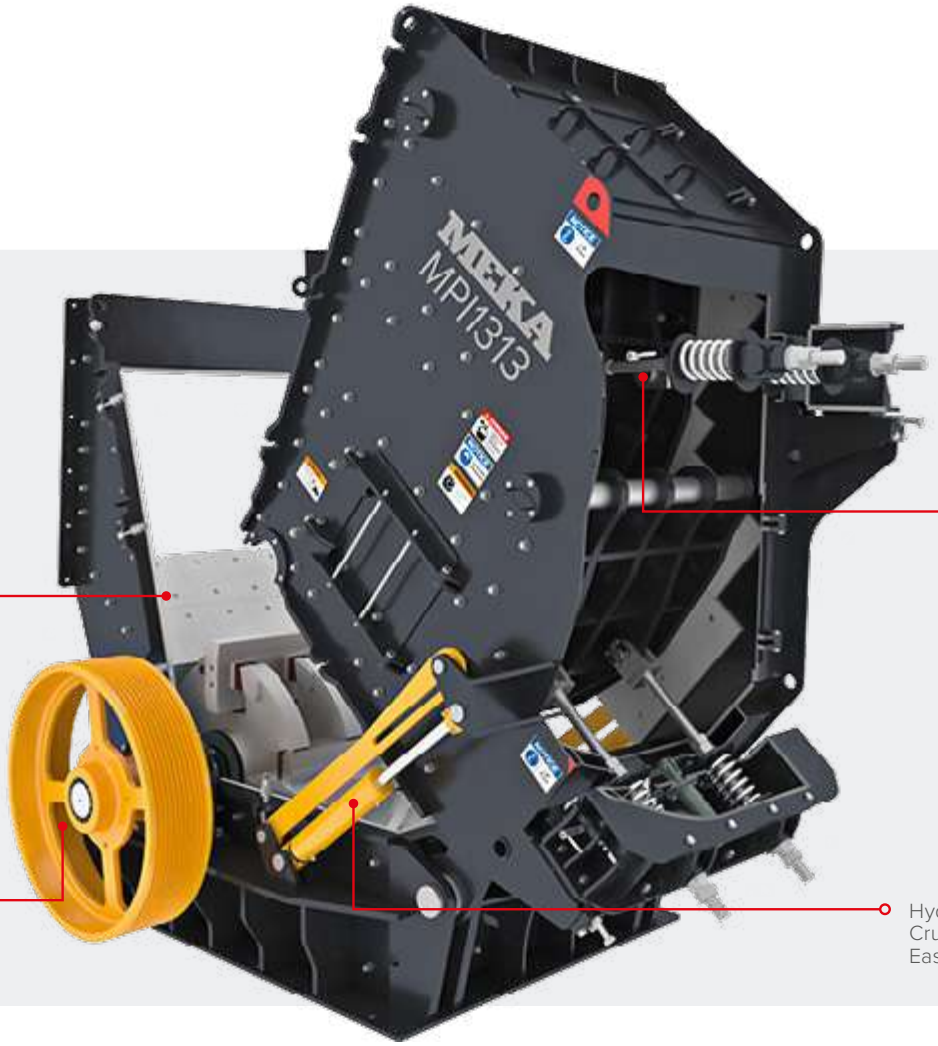
HIGH PERFORMANCE FOR HIGHER PROFITABILITY

MEKA Primary Impact Crushers (MPI) offer high crushing rates, low power consumption and easy maintenance. With these features, they are preferred in working conditions where product and productivity demands are becoming increasingly important. Primary impact crushers are horizontal shaft impact crushers operating on the principle of impact force and are used in the first stages for crushing soft, non-abrasive or low abrasive materials. MEKA Primary Impact Crushers reduce investment costs and save energy by achieving high reduction with fewer crushing stages.

The double crushing chamber design offers excellent size reduction ratios. Furthermore, with the addition of a third plate, the reduction ratio can be increased even further. MPI crushers allow single-stage crushing with material recirculation. This allows customers to build lower-cost plants and start producing aggregates quickly.

The large feed opening and designed rotor are optimized to accept large feed sizes for high production. This design improves loading efficiency and provides more productive results.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



Hydraulic Assisted Breaker Plate Adjustment

Optional third crushing plate to control top product size in open circuit

Heat Treated, Dynamically Balanced, Wear-resistant Rotor

Hydraulically Opening Crushing Chamber for Easy Maintenance

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE
MEKA PRIMARY IMPACTOR IS USED

WHY MEKA PRIMARY IMPACT CRUSHER?

HIGH CAPACITY

Large unobstructed feed opening, heavy-duty breaker plates and heavy rotor are designed to accept big feed size for high production.

These features maximise loading, and with a bigger crushing chamber, the result is a boost in productivity in every type of application.

HIGH REDUCTION RATIO

MPI crushers achieve a higher reduction with fewer crushing stages, lowering your capital costs and saving energy.

The design of crushing chamber with double breaker plates ensures great reduction ratios and with the addition of a third plate, reduction ratio can even be improved.

CUBICAL PRODUCT

Our MPI crushers are high capacity crushers that are designed to reliably produce cubical product shapes. The final shape delivered aims to meet the exacting specifications for flakiness and elongation required to produce asphalt and concrete products.

ROTOR

Rotor is the key component in the crushing process and together with shaft and bearings forms the heart of the crusher, that's why we have ensured that the rotor is robust and efficient to handle up to 1 m3 large lumps.

Rotor is manufactured from solid-cast steel with heavy duty rotor discs, essential for delivering the high inertia required for optimum crusher performance. Solid forged steel shafts are precision machined for assembly. Rotor shaft is supported on grease lubricated, self aligning large spherical roller bearings with labyrinth type seals for extended life. The bearings have a pedestal mounted split pillow block housing for easy maintenance. The open rotor design additionally provides the ability to handle re-enforcing bars etc. in recycling applications.

WHY MEKA PRIMARY IMPACT CRUSHER?

BLOWBARS AND ATTACHMENT SYSTEM

A wide selection of blow bar metallurgies are available to maximize wear life of parts, including manganese and various compositions of chrome.

Blow bars are fixed to rotor by a single wedge assembly delivering high tightening torque. Combined with perfect blow bar alignment on crossbeam contact faces, this guarantees the enormous advantage of eliminating clearance between the rotor and the blow bars. This reduces risks of breakage and makes it possible to push the use of blow bars to maximum limits.

HYDRAULIC OPENING

MPI crushers are equipped with two large hydraulic cylinders, with integral locking valves, to open and close the body halves for ease of maintenance. The easy access to the chamber makes the MPI crushers particularly easy to maintain.

BREAKER PLATES

The MPI crusher has two breaker plates and can additionally be equipped with a third one.

The gap settings of the breaker plates can be adjusted by means of thrust device with pressure springs thus allowing for optimum control of the end product granulometry. The spindle adjustment is assisted by auxiliary hydraulics.

Robust steel coil springs provide tension on the secondary breaker plate to maintain a consistent gap setting to help produce a uniform product.

FRAME

Crusher main body is fabricated from low carbon steel. Crushing chamber is completely lined with thick, interchangeable, bolt-on abrasion resistant (AR) liners.

Sensors on the frame make maintenance interventions safer by preventing machine start up. Inspection doors located all around the frame make it possible to reach the interior of the crusher.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

	MPI 1111	MPI 1012	MPI 1114	MPI 1313	MPI 1515	MPI 1620
Rotor Diameter	1100 mm	1100 mm	1100 mm	1300 mm	1500 mm	1600 mm
	43"	43"	43"	51"	59"	63"
Rotor Width	1100 mm	1100 mm	1400 mm	1300 mm	1500 mm	2000 mm
	43"	43"	55"	51"	59"	79"
Feed Opening	1140 x 950 mm	1140 x 840 mm	1410 x 950 mm	1340 x 1000mm	1540 x 920 mm	2040 x 1400mm
	45" X 37"	45" X 33"	56" X 37"	53" X 39"	61" X 36"	80" X 55"
Maximum Feed Size	600 mm	600 mm	600 mm	900 mm	850 mm	1300 mm
	24"	24"	24"	35"	33"	51"
***Capacity**	150 - 200 mtph	150 - 200 mtph	250 - 350 mtph	300 - 500 mtph	400 - 600 mtph	600 - 950 mtph
	165 - 220 stph	165 - 220 stph	275 - 385 stph	330 - 550 stph	440 - 660 stph	660 - 1050 stph
Power	160 kW	160 kW	200 kW	250 kW	315 kW	2x250 kW
	220 HP	220 HP	275 HP	340 HP	430 HP	2x340 HP
****Weight**	15100 kg	13150 kg	16800 kg	22400 kg	26800 kg	40500 kg
	33290 lbs	28990 lbs	37037 lbs	49380 lbs	59080 lbs	89290 lbs

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Minimum capacities are for top feed size of 800 mm (31") and end product of 100 mm (4").
Maximum capacities are for top feed size of 600 (24") mm and end product of 200 mm (8").
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MSI SERIES

SECONDARY IMPACT CRUSHER

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

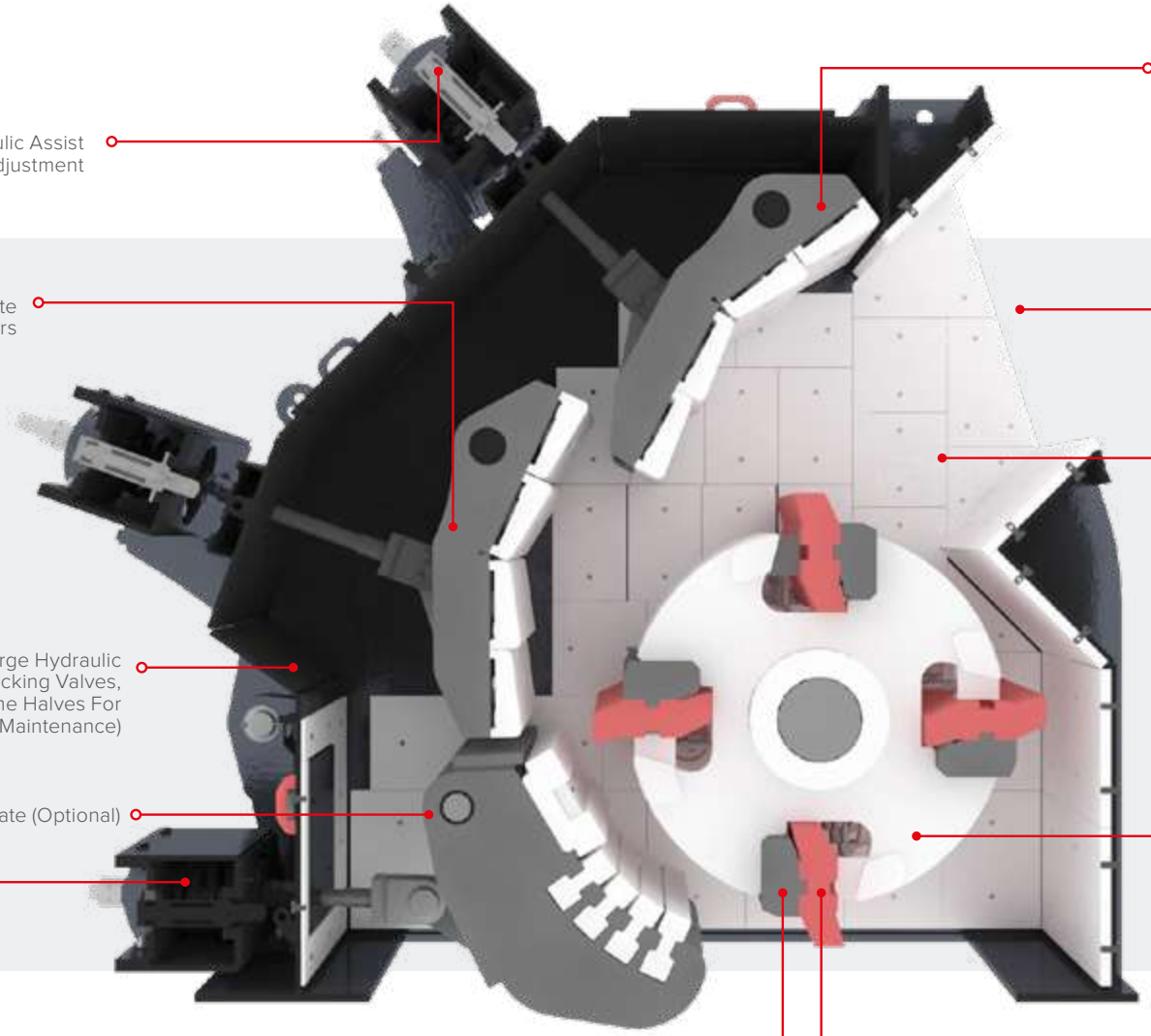
www.mekaglobal.com

HIGH PERFORMANCE FOR HIGHER PROFITABILITY

The MEKA MSI Series Secondary Impact Crusher is ideal for crushing soft to medium-hard materials into a highly cubic and well-graded product with dimensions of 0-80 mm in a single pass. Thanks to the high reduction ratio, products of the desired dimensions can be obtained without the need for a tertiary crusher. Secondary impact crushers are a type of crusher that works on the principle of impact force and are used in the second stages of the crushing process for soft, non-abrasive or less abrasive materials.

MEKA Secondary Impact Crushers offer high reduction ratio with fewer crushing stages, which reduces investment costs and saves energy. They also provide the best cubic material production to meet asphalt and concrete product specifications. High throughput is achieved with a larger crushing chamber, optimized crusher plates and a rotor designed to increase productivity in every area.

READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL



Quick and Easy Hydraulic Assist Breaker Plate Adjustment

Heavy Duty 1st Breaker Plate With Thick Replaceable Liners

Heavy Duty 2nd Breaker Plate With Thick Replaceable Liners

Large, Unobstructed Feed Opening

Heavy Duty Wear Liners Mostly Of The Same Design

Retractable Frame (Two large Hydraulic Cylinders, With Integral Locking Valves, Open and Close the Frame Halves For Ease Of Maintenance)

Third Breaker Plate (Optional)

Balanced, high strength, high inertia 4-blow bar rotor

Quick and Easy Hydraulic Assist Breaker Plate Adjustment

Single wedge assembly delivering high tightening torque

Different grades of wear resistant steel reversible blow bars are durable giving long service life.

WHY MEKA SECONDARY IMPACT CRUSHER?

MAIN FRAME

Crusher frame is a rugged, fabricated high tensile-strength steel plate construction with external bracing for increased strength. The inspection door has been placed on both sides of the frame to check the interior of the crusher. Rear frame can be opened via a hydraulic system during maintenance, and thus, all the wearing parts can be accessed easily. The same hydraulic system is used in the adjustment of the gap between the breaker plates and the rotor. The control of the whole hydraulic system has been gathered at a center powered by a motorized pump. Optionally, this control system can also be supplied with a remote control.

With simplicity and function in mind, the frame is fitted with 30mm thick, interchangeable, wear resistant cast or steel plate liners that have been designed as a common shape. A further benefit with this liner design is realized in the form of increased wear metal utilization. A worn liner, for example, can be repositioned from a high wear zone, to a low wear zone, thus extending its service life. The standardized design of the frame liner system helps to further reduce the impactor cost of operation.

ROTOR

The rotor is the heart and the most severely tested part of the impact crusher and particular emphasis has been placed on the rotor design, development and field of application. Secondary crushing requires heavy-duty rotors with rugged, stress free rotor bodies that provide a very high moment of inertia. MEKA rotors are designed and manufactured of high quality discs that are joined together along a center tube by a special, high quality welding process. The rotor body is stress relieved and dynamically balanced to increase its service life and provide workmanship of the highest quality.

The rotor is of an open rotor design. This design ensures stable power consumption and combined with the ability to handle re-enforcing bar etc. in recycling applications.

WHY MEKA SECONDARY IMPACT CRUSHER?

BLOW BARS

The blow bars can be used in both directions (forward-reverse) and they have been designed to be replaced both from the side and from the top. Depending on the specific task, the cast blow bars are made of manganese steel or high-chromium alloy. This unique blow bar design is also self sharpening throughout its life, resulting in more effective shearing of the incoming material and hence improved production.

In order to ensure a full contact between the surfaces where the blow bars lean on the rotor, these surfaces are ground and bound firmly to the rotor via a wedged tightening system. This in turn, minimized the shattering risk of the blow bar and ensures that they can be manufactured from materials with much more hardness.

Blow bars are fixed to rotors by a single wedge assembly delivering high tightening torque. Combined with perfect blow bar alignment on rotor contact faces, this guarantees the enormous advantage of eliminating gaps between the rotor and the blow bars. This simple retaining system saves time and labor and reduces the risk of blow bar breakage.

Rotor shaft is fitted with self aligning, spherical roller bearings which are housed in a heavy duty purpose made housing incorporating labyrinth seals with V and O rings, to ensure no ingress of dust / dirt etc. The housings are fixed to the crusher base via a machined mounting surface. This ensures perfect alignment with no requirement for shimming etc., resulting in extended bearing life and easier future maintenance.

WHY MEKA SECONDARY IMPACT CRUSHER?

BREAKER PLATES

1st and 2nd breaker plates are gravity suspended and are fixed at the top part and opening of the bottom part is infinitely adjustable. Via the standard supply electric hydraulic power pack hydraulic adjustment of both plates is achieved. This system ensures that the plates are held in place for normal operation. Should an uncrushable object enter the crusher, the system is designed to allow the plates to lift, thus allowing the object to pass through the crusher without causing severe damage.

Both breaker plates are heavy-duty fabricated components equipped with thick, replaceable bolt-on liners of high quality, wear resistant cast alloy. The liners have been standardized to a common shape yielding extended service life and reduced spare parts stocking. This standardized design of the liners helps to further reduce the impactor cost of operation.

THIRD BREAKER PLATE (OPTIONAL)

To manufacture fine grains, the MSI Impact Crusher can be equipped with a lower section grinding track beneath the rotor shaft. The third breaker plate provides an excellent level of control over the product grading, enhanced product soundness and very high cubical product shape. The third breaker plate can be adjusted through external hydraulic cylinders.

With this flexible solution, you benefit from excellent crushing results and can respond at any time to changing project requirements.

DRIVE

- Standard V-belt drive
- Flexible, for damping of shock loads
- Simple changing of rotor circumferential speed, rotor speed affects throughput, quality as well as grain distribution of the crushed material.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

	MSI 1210	MSI 1312	MSI 1315
Rotor Diameter	1150 mm	1300 mm	1300 mm
	45"	51"	51"
Rotor Width	1000 mm	1250 mm	1500 mm
	39"	49"	59"
Feed Opening	1020 x 815 mm	1290 x 800 mm	1540 x 800 mm
	40" X 32"	51" X 31"	61" X 31"
Maximum feed size	250 mm	350 mm	350 mm
	10"	14"	14"
***Capacity**	100 - 150 mtph	150 - 250 mtph	250 - 350 mtph
	110 - 165 stph	165 - 275 stph	275 - 385 stph
Power	132 -160 kW	200 kW	250 - 315 kW
	180 - 220 HP	275 HP	340 - 430 HP
****Weight**	12400 kg	18000 kg	22600 kg
	27340 lbs	39680 lbs	49820 lbs

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MTI SERIES

TERTIARY IMPACT CRUSHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

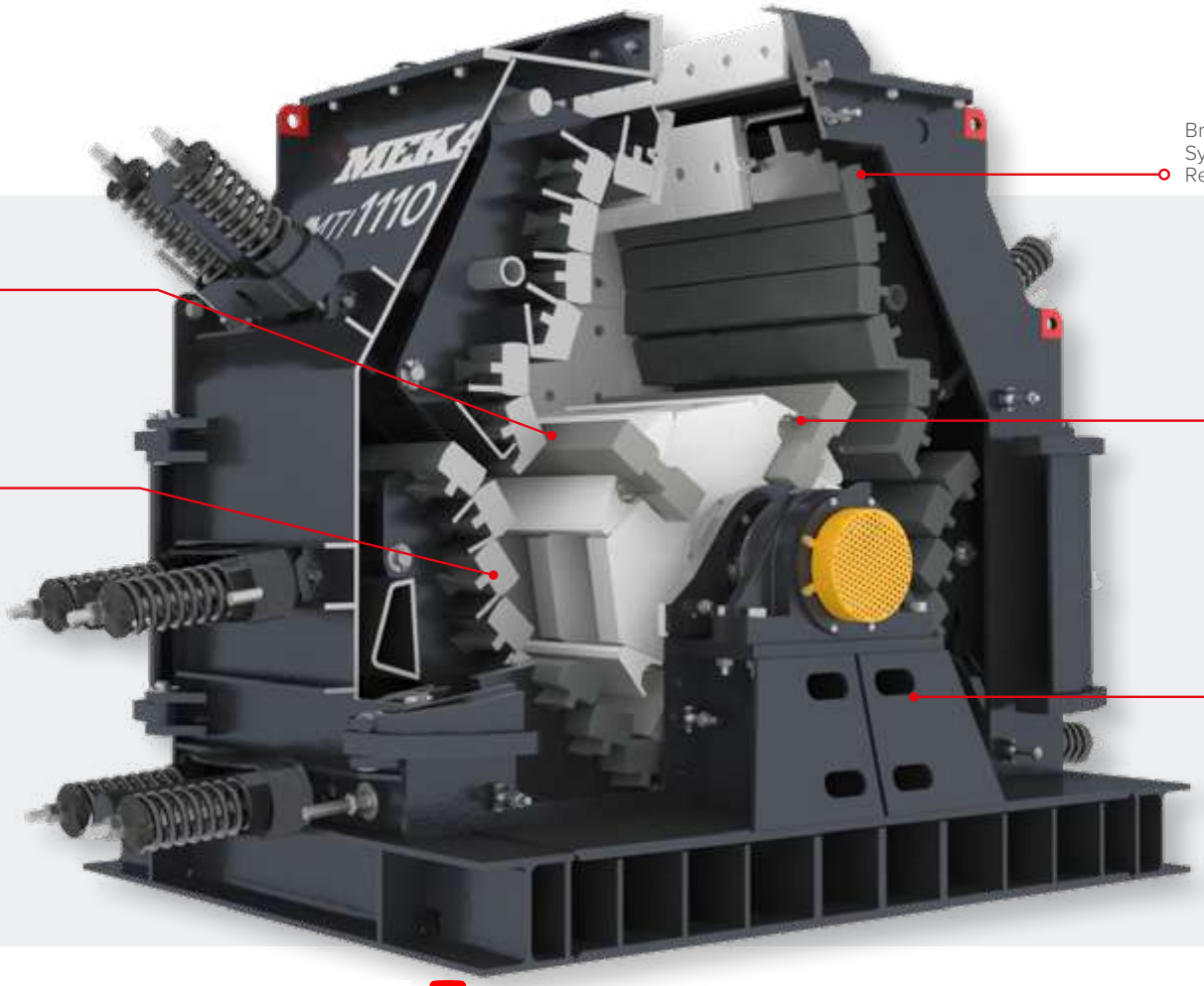
www.mekaglobal.com

FOR THE PRODUCTION OF HIGH GRADE CONCRETE AND ASPHALT AGGREGATE

MEKA Tertiary Impact Crushers are available in different rotor sizes and the required motor power is selected according to the application. These features make the crushers ideal for many different applications. From low abrasive materials to industrial applications and recycling, MTI Series crushers have proven their effectiveness in many tasks. Tertiary impact crushers are a type of crusher that works on the impact force principle and are used in the third stage of the crushing process for soft, non-abrasive or less abrasive materials. The symmetrical crushing chamber allows more efficient utilization of wear parts.

The rotors can operate in both directions, which makes it possible to change the direction of the rotor when one side of the blowbars are worn, reducing inventory costs. The high inertia rotor provides stability in the crushing process, reducing energy consumption and improving long-term performance. It produces high-quality and cubic-shaped products from soft materials such as limestone. Furthermore, thanks to the rotor and crushing chamber design, the feed size can be up to 150 mm and operating costs can be reduced through superior wear resistance.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



Breaker Plate Connection System for a Higher Degree Of Reliability

Simple and easy hydraulic assisted gap adjustment provides absolute gap settings using a minimum amount of components.

Heat Treated, Dynamically Balanced, Wear-resistant Rotor

The reversible blow bars are machined to ensure a flat fit with the rotor.

Hydraulic Assisted Breaker Plate Adjustment

SCAN OR CLICK QR CODE TO WATCH
THE MEKA TERTIARY IMPACT CRUSHER ANIMATION

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA TERTIARY IMPACT CRUSHER ARE USED

WHY MEKA TERTIARY IMPACT CRUSHER?

ROTOR

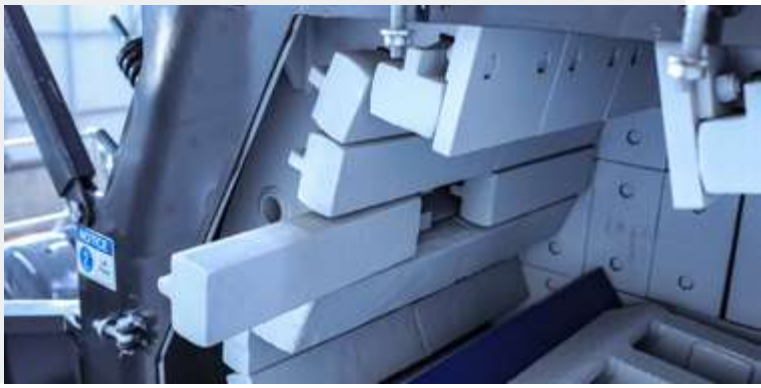
The rotor with high inertia improves crushing reduction and provides stability in the process, reducing energy consumption and increasing long-term performance. Heavy rotor and crushing chamber design in addition to materials selected for their outstanding wear resistance further reducing operating and wear costs. The rotor of the crusher is generally the most stressed component during the crushing procedure. Because of the symmetrical design of the crusher, the rotor's direction of rotation may be changed and reversed.

BREAKER PLATES AND GAP SETTING

The design of the crushing chamber of the MEKA crushers with comfortably adjustable breaker plate gap ensures an optimum crushing result at a favourable energy demand. Simple and easy hydraulic assisted gap adjustment provides absolute gap settings using a minimum amount of components.

BLOW BARS

Blow bars are fixed to the rotor by a single wedge assembly, delivering high tightening torque. The reversible blow bars are machined to ensure a flat fit with the rotor. Combined with perfect blow bar alignment on rotor contact faces, guaranteeing the advantage of eliminating gaps between the rotor and blow bars. This reduces the risk of blow bar breakage. Due to the application of different grades of wear resistant steel for the blow bars with a degree of utilization of more than 50 percent, the operating and maintenance costs of the MEKA crushers are clearly reduced. Re-sharpening of the blow bars in reverse operation is another advantage for the lifetime of blow bars.



WHY MEKA TERTIARY IMPACT CRUSHER?

HOUSINGS

Power is transmitted to the rotor by means of a V Belt drive. By changing the rotor speed, it is possible to specifically produce a desired grain size distribution from the wide potential range of products. Incase of an advanced wear on the blow bars, it is possible to change the speed and keep the product grain curve constant. As optional equipment, crusher can be equipped with temperature sensors for the housings.

PERFECT LUBRICATION SYSTEM

The Centralized automatic lubrication system, continuously supplies the crusher labyrinth seals, with sensors on each seal, to ensure, you are informed of a failure, before it is too late.

MAINTENANCE DOORS

For service, inspection and maintenance work, the machine's housing is fitted with large doors on both sides. The blow bars are laterally inserted into the rotor, so that they maybe simply and quickly exchanged. The housing's plating largely consists of handy and easy to exchange wear plates. Sensors for the doors make all the maintenance interventions safe by forbidding machine start-up.

REVERSIBLE ROTATION

The rotors in our MTI Series crushers are able to operate in both directions, so when the wear parts are worn out for one side of the crusher, the operators can change the rotor's operating direction to the other side. This method decreases inventory costs for clients by reducing maintenance requirement time and parts cost.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

	MTI 1105	MTI 1110	MTI 1115
Rotor Diameter	1100 mm	1100 mm	1100 mm
	43"	43"	43"
Rotor Width	500 mm	1000 mm	1500 mm
	20"	39"	59"
Feed Opening	520 x 310 mm	1020 x 310 mm	1520 x 310 mm
	20" X 12"	40" X 12"	60" X 12"
Maximum Feed Size	150 mm	150 mm	150 mm
	6"	6"	6"
***Capacity**	100 - 120 mtph	220 - 250 mtph	280 - 320 mtph
	110 - 130 stph	240 - 275 stph	310 - 350 stph
Power	110 kW	200 - 250 kW	315 kW
	150 HP	275 - 340 HP	430 HP
****Weight**	8750	14000 kg	17470 kg
	19290 lbs	30860 lbs	38510 lbs

	MTI 1307	MTI 1314
Rotor Diameter	1286 mm	1286 mm
	51"	51"
Rotor Width	655 mm	1355 mm
	26"	53"
Feed Opening	690 x 210 mm	1390 x 210 mm
	41" X 22"	55" X 8"
Maximum Feed Size	90 mm	90 mm
	3,6"	3,6"
Power	90 - 132 kW	160 - 250 kW
	125 - 180 HP	220 - 340 HP
****Weight**	8400 kg	13480 kg
	18520 lbs	29720 lbs
***Capacity**	100 - 120 mtph	220 - 250 mtph
	110 - 130 stph	240 - 275 stph

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MVI-G SERIES

VERTICAL SHAFT IMPACT CRUSHERS

G MODEL

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

EXCEPTIONAL MINERAL ENRICHMENT CAPABILITIES

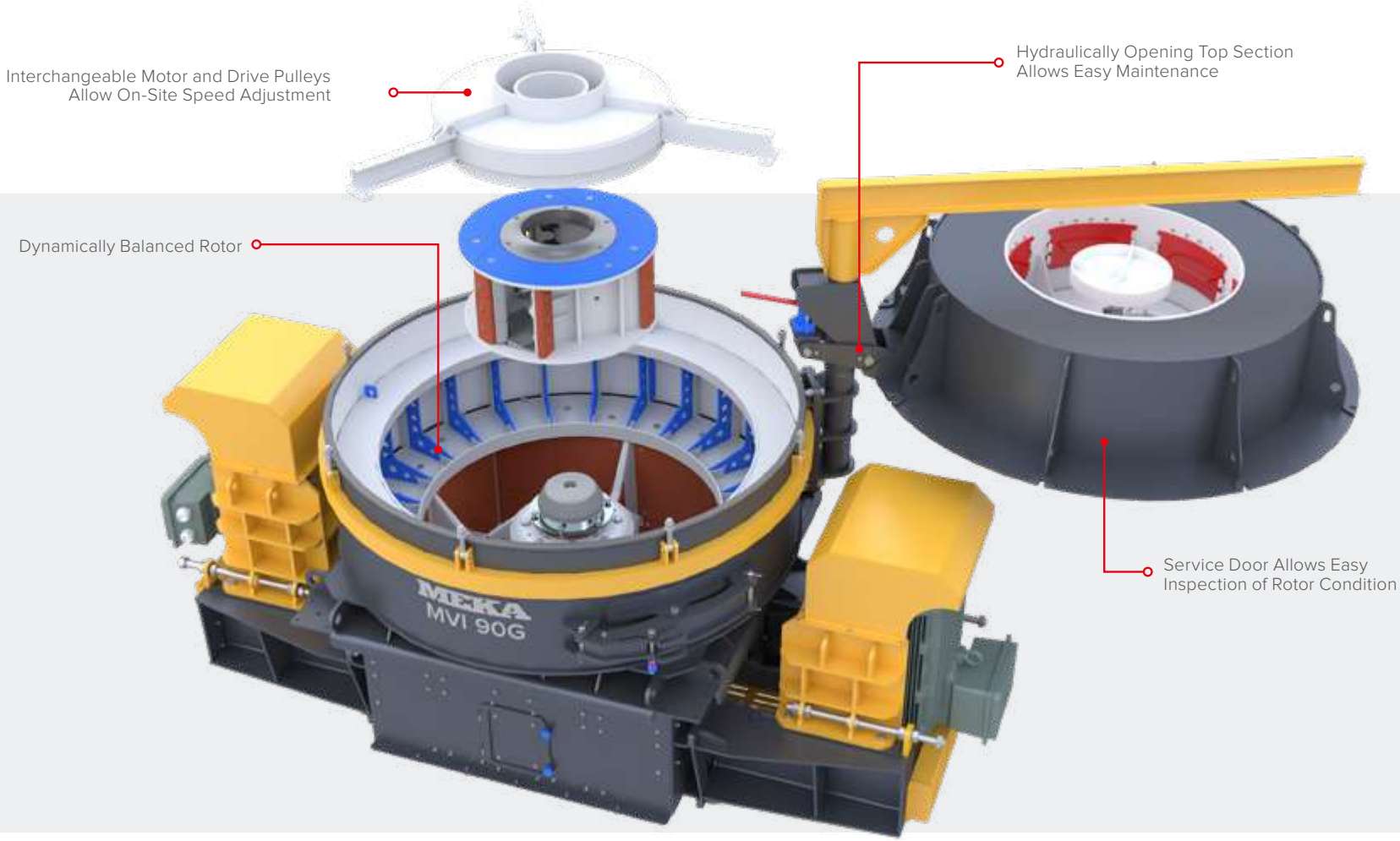
MEKA MVI-G Series Vertical Shaft Impact Crushers are designed for use in the final stages of the crushing process. Offering a high-performance solution in stationary, compact or mobile units, vertical shaft crushers provide a versatile solution for the production of homogeneously shaped aggregates and sand, as well as industrial minerals.

Vertical shaft impact crushers are a type of crusher used in the final crushing stage, accelerating the material fed into the rotor and throwing it towards a crushing chamber. Configuration options include closed rotor and rock shelf (ROR) and closed rotor and anvil rings (ROS). The ROR type vertical shaft impact crusher is used for rock crushing to meet the specifications required for concrete and asphalt and is effective in sand and aggregate production. The ROS type vertical shaft impact crusher is preferred for rock crushing for less abrasive materials.

The rock shelf design created in the crushing chamber reduces operating costs. This crushing principle minimizes metallic wear, leading to low maintenance and wear costs. Low wear on internal components ensures extremely low contamination of final products by wear of metal parts. In the ROS models, a higher rate of fine material production is achieved thanks to the anvil rings. This model is suitable for soft and less abrasive materials and has a high reduction ratio.

The adjustable cascade provides control over the final product gradation. The cascade feed system introduces a second material stream into the crushing chamber turbulence in a controlled manner, offering a more efficient crushing process. Depending on the aggregate types and required properties, this crusher can be operated in open or closed circuit after the cone crusher. It can accept up to 50 mm feed size, but this feed size can vary depending on the type of material to be crushed.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



WHY MEKA VSI CRUSHER?

FLEXIBLE CRUSHING CHAMBER OPTIONS

2 crushing chambers are available;

CLOSED ROTOR AND ROCK SHELF ROCK ON ROCK (ROR)

Recommended when crushing the most abrasive materials, such as basalt, granite for feed sizes up to 50mm.

Produces the best shaped and most consistent material with the lowest wear cost.

CLOSED ROTOR AND ANVIL RING ROCK ON STEEL (ROS)

Recommended for low and medium abrasive materials such as gravel, limestone, dolomite for feed sizes up to 50mm. Combines the grinding action of the rotor with the high efficiency reduction of anvil resulting in cubical and high quality products in medium abrasive materials.

IMPROVED EFFICIENCY AND THROUGHPUT

Adjustable cascade ports allow operator to control cascade flow which leads to improved crusher efficiency and increased throughput, giving the operator more value for money by providing more inter-particle action where it is needed most - in the crushing chamber. This also has the effect of changing the product curve and product shape if increased amounts of cascade are used.

USER FRIENDLY

Designed with ease of installation in mind. Assembly, installation and commissioning can be achieved by two people in 2-3 days. Foundation requirements are minimal due to the light weight of the machine and the

minimal dynamic forces when in operation.

Roof lifter gives rapid access to the inside of the crusher meaning minimum time is required to carry out servicing and maintenance tasks. This allows for rapid rotor and wear part changes and minimises down time while maximising availability. The simple and reliable design of the roof lifter means only one person is required for operation and can eliminate the requirement for an external crane.

EASE OF OPERATION AND MAINTENANCE

* Quick access through inspection and service door allows insitu parts replacement,
* Large feed hopper gives room for staff to work in when servicing the crusher,
* Simple feed tube replacement with automatic realignment after crusher servicing and rotor replacement,
* Adjustable spreader plate angle and height controls the flow of feed.

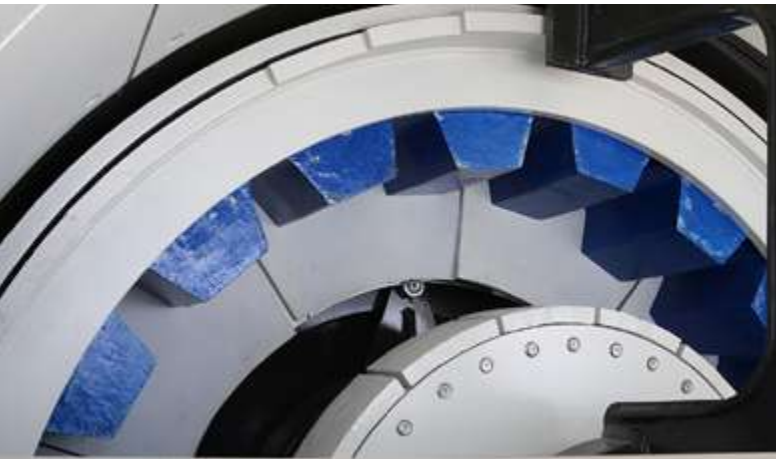
TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MVI 90G (ROR SD)	MVI 90G (ROR DD)	MVI 90G (ROS SD)	MVI 90G (ROS DD)	MVI 70G (ROR SD)	MVI 70G (ROR DD)	MVI 70G (ROS SD)	MVI 70G (ROS DD)
Maximum Feed Size	mm	50	50	50	50	35	35	35	35
	inch	2	2	2	2	$1\,^{3}/_{8}$	$1\,^{3}/_{8}$	$1\,^{3}/_{8}$	$1\,^{3}/_{8}$
***Capacity**	mtph	200	300	200	300	120	160	120	160
	stph	220	300	220	330	130	175	130	175
Power	kW	200 - 250	2 x 110 - 200	200 - 250	2 x 110 - 200	110 - 160	2 x 110	110 - 160	2 x 110
	HP	275 - 340	2 x 150 - 275	275 - 340	2 x 150 - 275	150 - 220	2 x 150	2 x 150 - 220	2 x 220
Speed	rpm	1400 - 1800	1400 - 1800	1400 - 1800	1400 - 1800	1500 - 2100	1500 - 2100	1500 - 2100	1500 - 2100
****Weight**	kg	8600	9400	10990	11800	4900	5550	6300	6950
	lbs	18960	20723	24228	26014	10802	12236	13889	15322

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS



THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MVI-L SERIES

VERTICAL SHAFT IMPACT CRUSHERS

L MODEL

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

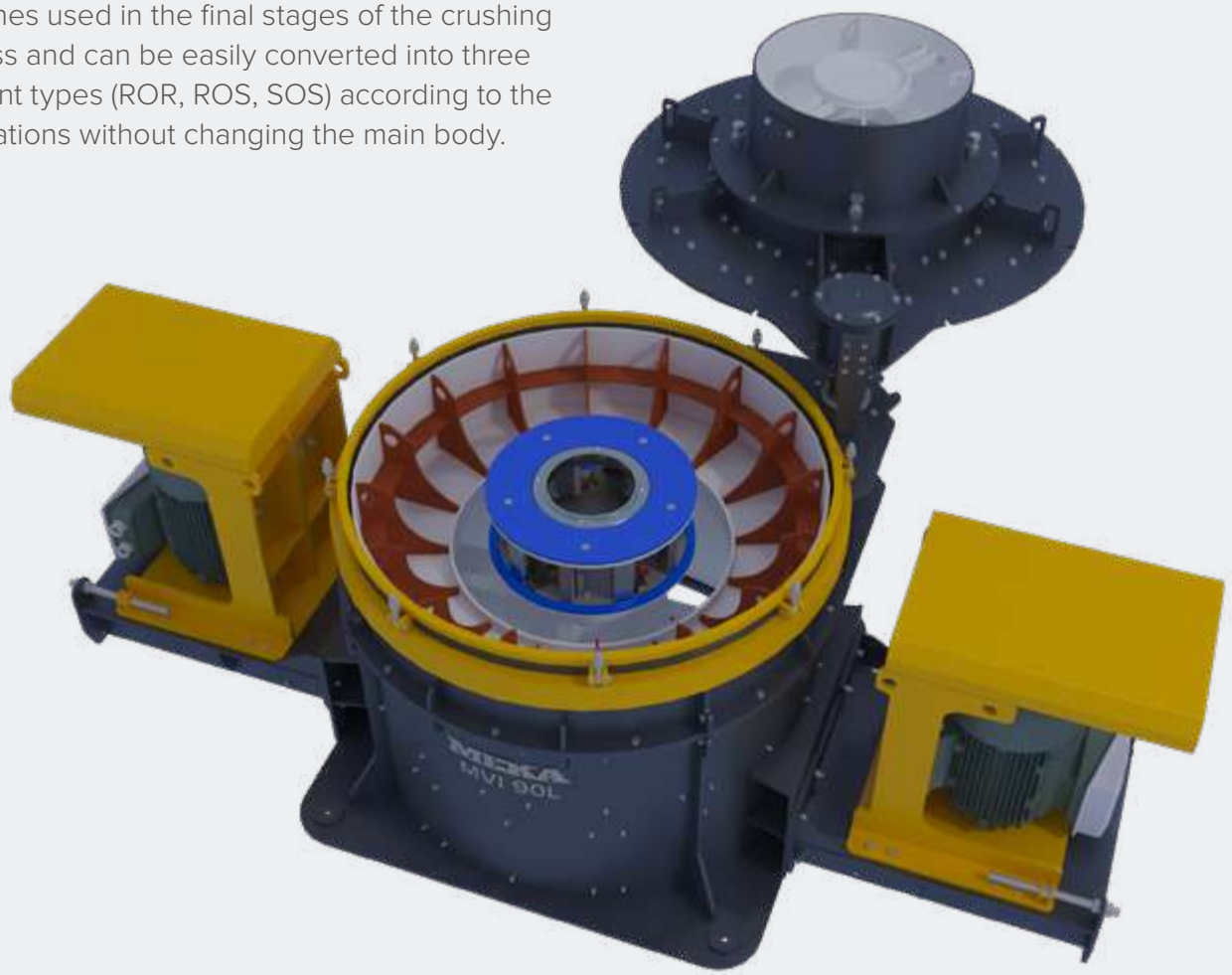
www.mekaglobal.com

FLEXIBLE SOLUTIONS WITH INTERCHANGEABLE CHAMBERS

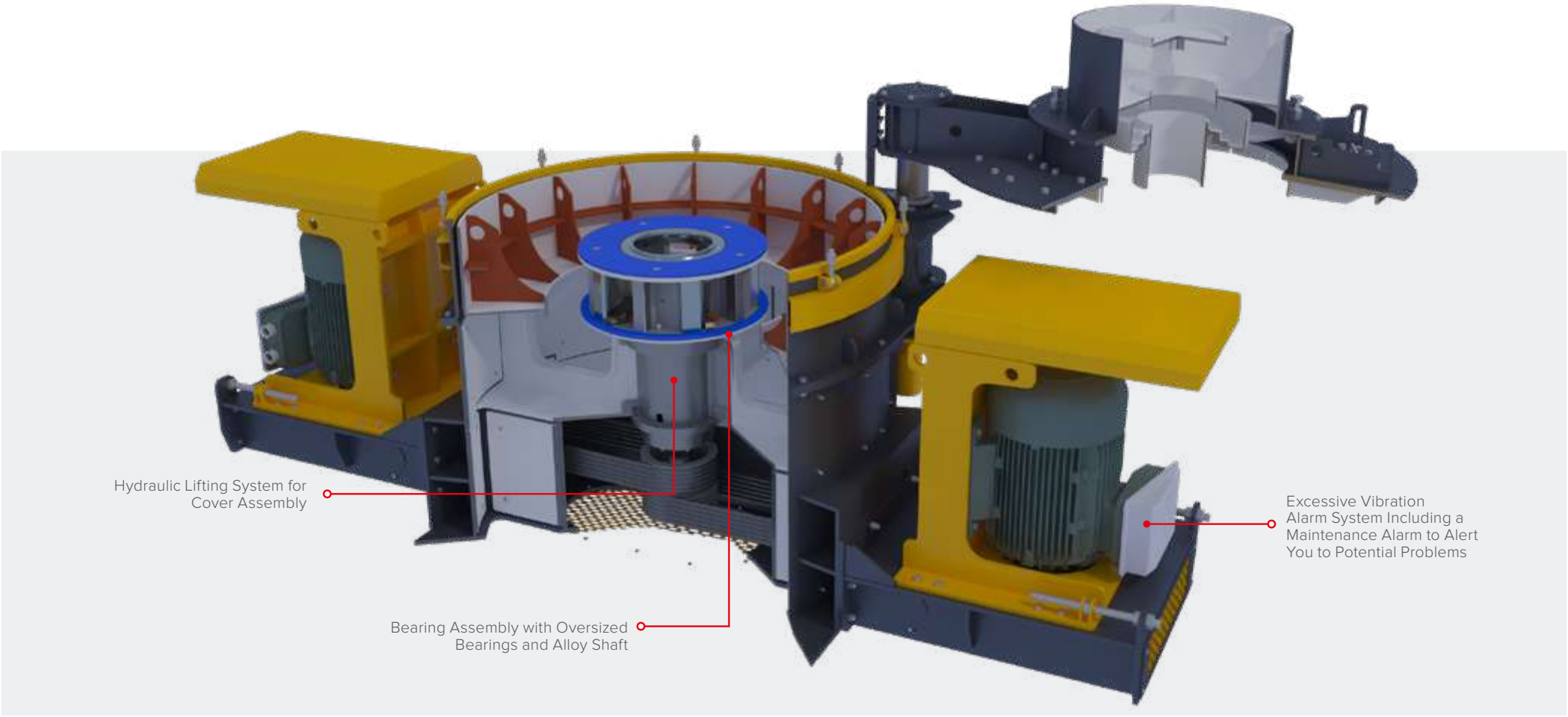
MEKA L Series Vertical Shaft Impact Crushers are designed to produce high-quality, well-formed and fine aggregates. The high-performance crushers provide maximum application flexibility with three different crushing chamber options in the same body. Configuration options include closed rotor and rock shelf (ROR), closed rotor and anvil rings (ROS) and open rotor and anvil rings (SOS). These flexible options ensure that the crusher can operate at the highest possible performance.

Vertical shaft impact crushers are designed as machines used in the final stages of the crushing process and can be easily converted into three different types (ROR, ROS, SOS) according to the applications without changing the main body.

MEKA Vertical Shaft Impact Crushers - L Model offers flexible crushing chamber options and is equipped with an advanced lubrication system. This system consists of a tank, pump, temperature switch, flow meter, oil cooler, oil heater and valve assembly. Maintenance is facilitated by the hydraulically openable top cover. In addition, the inspection hatch on the top cover allows users to observe the machine. The two-motor drive design reduces the radial and thrust load on the electric motors, allowing the motors to offer an extra long service life.



READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA VSI CRUSHER ANIMATION

WHY MEKA VERTICAL SHAFT IMPACT CRUSHER?

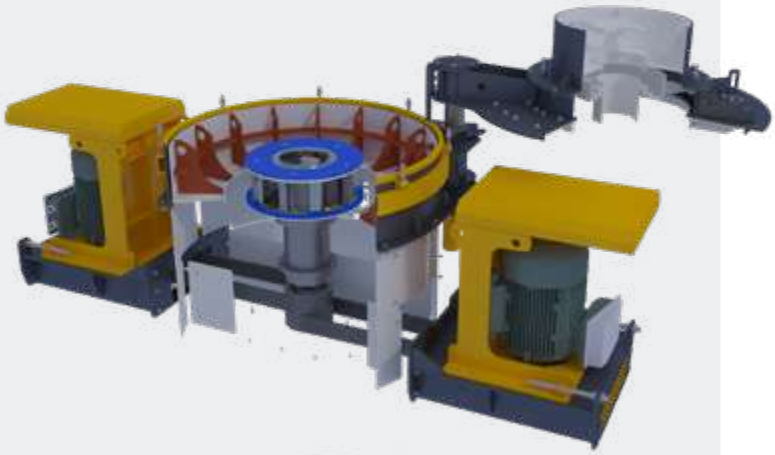
FLEXIBLE CRUSHING CHAMBER OPTIONS

3 interchangeable crushing chambers are available;

CLOSED ROTOR AND ROCK SHELF ROCK ON ROCK (ROR)

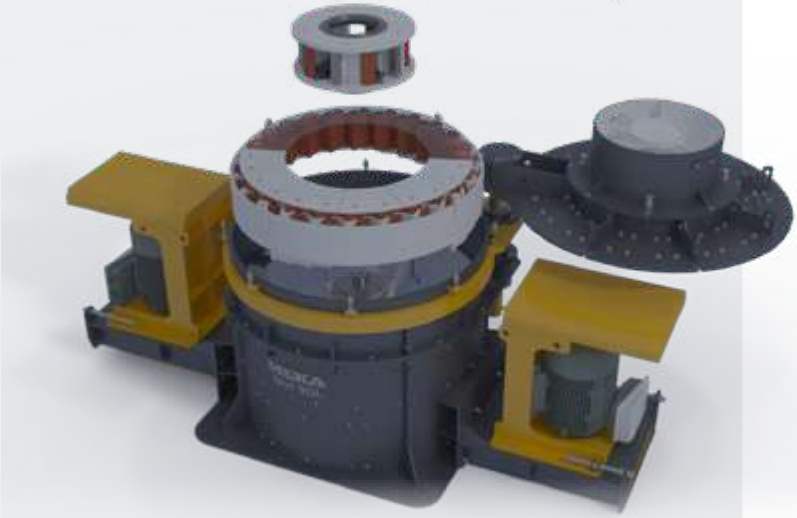
Recommended when crushing the most abrasive materials, such as basalt, granite for feed sizes up to 50mm.

Produces the best shaped and most consistent material with the lowest wear cost.



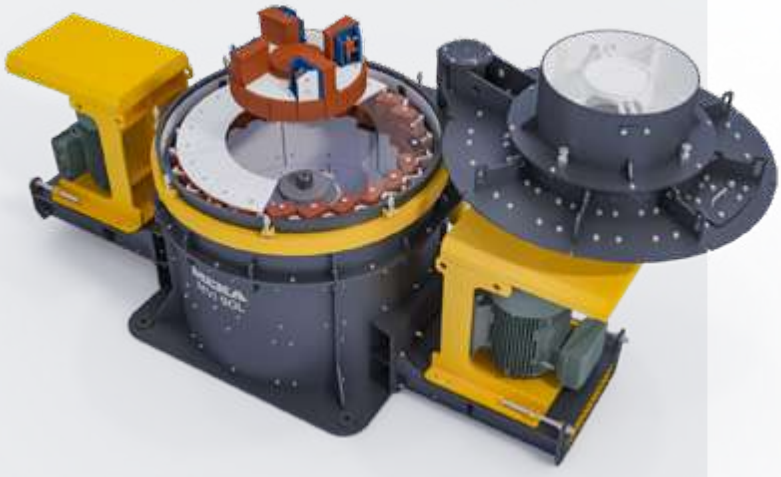
CLOSED ROTOR AND ANVIL RING ROCK ON STEEL (ROS)

Recommended for low and medium abrasive materials such as gravel, limestone, dolomite for feed sizes up to 50mm. Combines the grinding action of the rotor with the high efficiency reduction of anvil resulting in cubical and high quality products in medium abrasive materials.



OPEN TABLE ROTOR AND ANVIL RING STEEL ON STEEL (SOS)

Recommended for non-abbrasive or low abbrasive materials, such as limestone, for feed size up to 75mm. Offers high tonnage of chip production, high reduction ratios and feed size flexibility.



SAFETY

- Safety features includes; open lid safety lock, low oil flow rate and high oil temperature shut off switches.
- Excessive vibration alarm system that includes a maintenance alarm to alert you to potential problems. If excess vibration occurs, the vibration switch will shut down the crusher to protect it from possible damage.

WHY MEKA VERTICAL SHAFT IMPACT CRUSHER?

ROBUST AND RELIABLE

- Fully welded construction,
- Large receiving hopper,
- Heavy duty main pedestal,
- Drop in style, oil lubricated bearing assembly having ample dimensioned spherical roller bearings,
- Lid and main frame protection with special alloy wear resistant liners,
- Tungten carbide component on rotor,
- Bearing assembly mounted into a rigid base frame support provides maximum strength ideal for large feed or high speed applications,
- V Belt drive guard prevents dust intrusion to the V-Belt drive

EASE OF OPERATION

- Hydraulic lid lifter mechanism,
- Externally adjustable feed tube system with a convenient inspection door mounted on the lid, provides safe and easy inspection,
- Preparations for water spray piping system mounting to avoid material build up underneath rotor,
- Air transfer system enables internal air circulation and reduces dust emission.

PERFECT LUBRICATION SYSTEM

Modular oil system includes oil tank, gear pump, relief valves for low pressure oil circulation and high pressure lid lifter circuits, low flow rate shut down switch, oil heater, oil level gauge, oil temperature and lube oil pressure gauges.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MVI 90L (ROR SD)	MVI 90L (ROR DD)	MVI 90L (ROS SD)	MVI 90L (ROS DD)	MVI 90L (SOS SD)	MVI 90L (SOS DD)
Maximum Feed Size	mm	50	50	50	50	75	75
	inch	2	2	2	2	3	3
***Capacity**	mtph	200	300	250	300	250	400
	stph	220	330	275	330	275	440
Power	kW	200 - 250	2 x 110 - 160	200 - 250	2 x 110 - 160	200 - 250	2 x 200
	HP	275 - 340	2 x 150 - 220	275 - 340	2 x 150 - 220	275 - 340	2 x 275
Speed	rpm	800 - 1700	800 - 1700	800 - 1600	800 - 1600	800 - 1400	800 - 1400
****Weight**	kg	9210	10150	10900	11900	11460	12450
	lbs	20300	22371	24024	26228	25258	27440

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MCS/MCH SERIES

CONE CRUSHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

HIGH PERFORMANCE LOW PRODUCTION COST

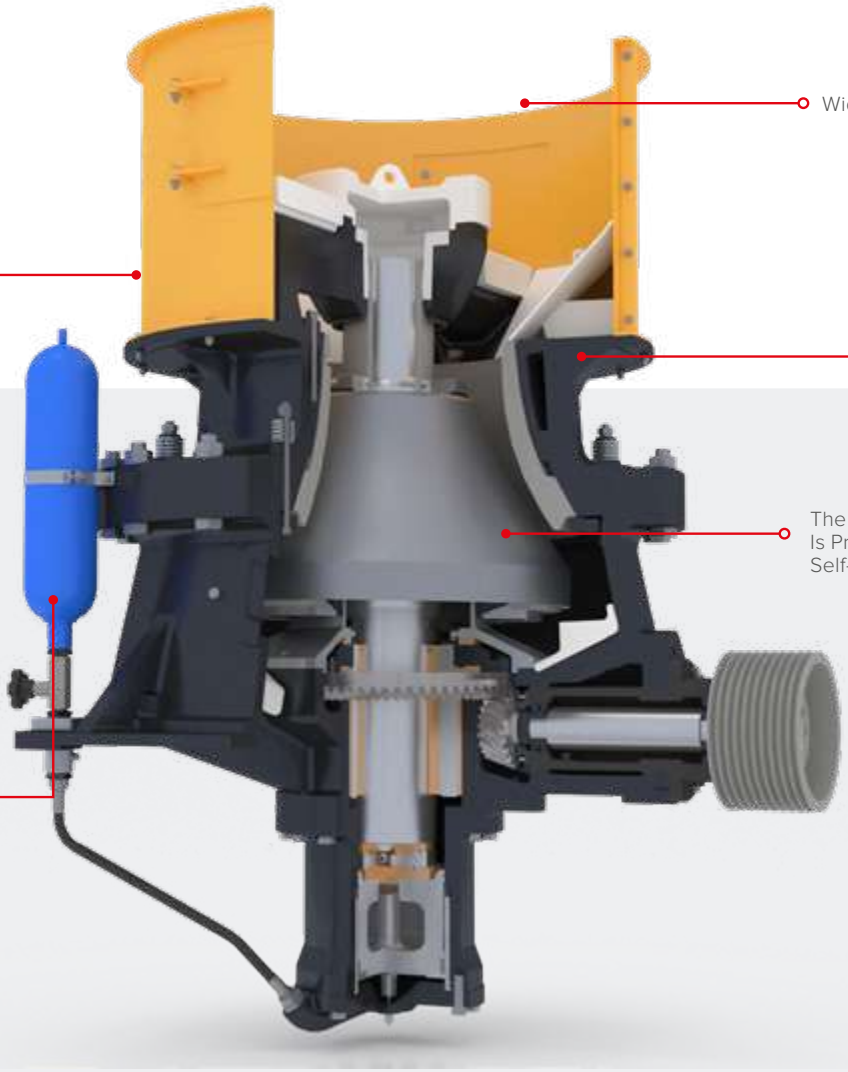
MEKA Cone Crushers are designed to deliver the highest performance with a unique combination of high crushing force and eccentric motion to maximize your return on investment. Designed to deliver robust and reliable results, these crushers have a vertical crushing chamber and a wide crushing stroke that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

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

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

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

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



Wide Feed Opening

Wear Due to Robust Liners
Made of Special Alloy Steel

Long Life Due to Linings Made of
Special Alloyed Manganese Steel

The Inside Of The Crusher
Is Protected From Dust By a
Self-Lubricating Sealing Ring

It Is a Self-Contained Unit Including Oil Tank
for Lubrication and Adjustment System, Filters,
Heating and Cooling Equipment, Pumps,
Temperature and Flow Rate Monitors and
Electric Interlocks

WHY MEKA CONE CRUSHER?

ADVANCED TECHNOLOGY

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

HIGH PERFORMANCE AND HIGH RELIABILITY

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

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

ROBUST AND RELIABLE

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

Casting advantages on topshell and bottomshell;

- High-quality steel adopted
- Casting quality guaranteed

Structure optimization on topshell and bottomshell;

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

Mainshaft;

Material and process advantages of mainshaft

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

HYDRAULIC SYSTEM

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

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

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

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MHC SERIES

HAMMER CRUSHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

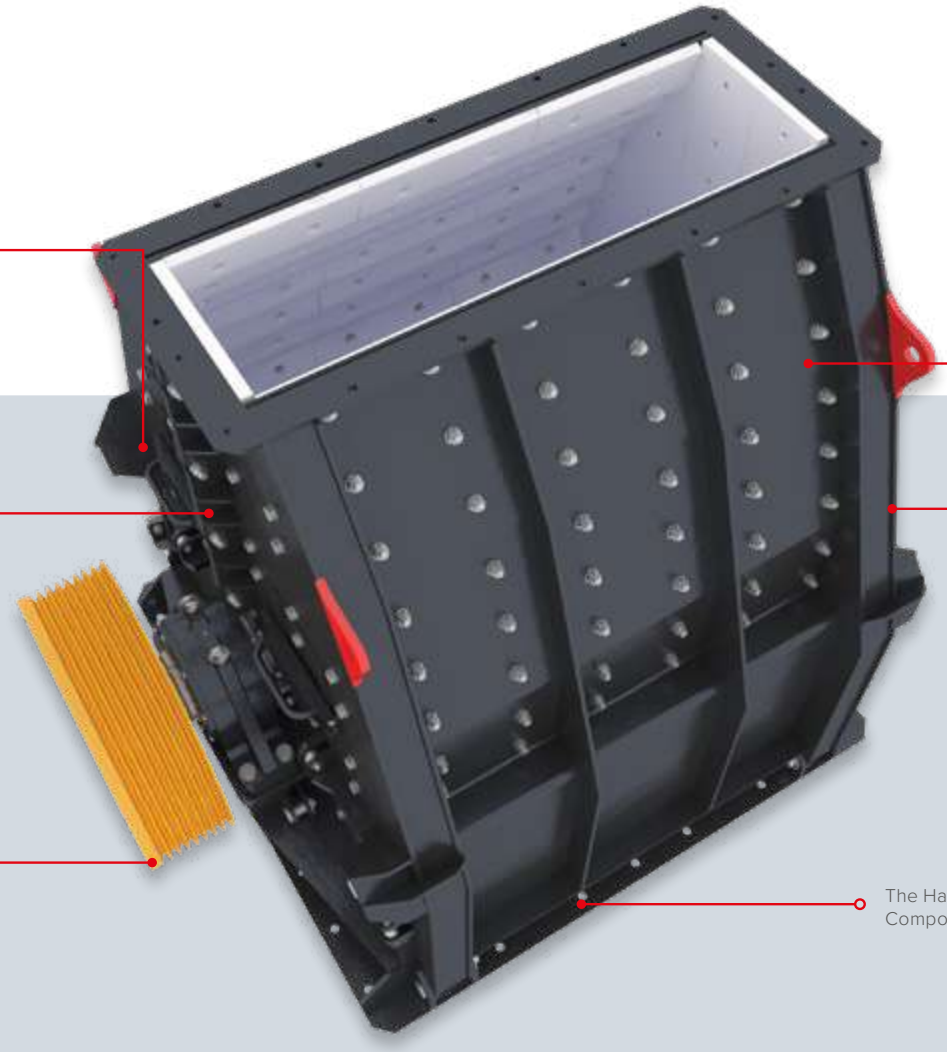
EFFECTIVE AND FLEXIBLE FINE CRUSHING

MEKA Hammer Crushers are high-performance crushers used for crushing medium-hard, soft and non-abrasive materials and obtaining products with homogeneous distribution thanks to the grates in the body. The hammer crusher consists of a body covered with wear-resistant linings and a rotor containing a series of hammers. The final product size can be determined thanks to the grates located at the crusher outlet. The hammers swing freely on the shafts as the rotor rotates.

This type of crusher works on the principle of impact and grinding and is generally used in the third stages of the crushing process, especially for soft, medium-hard and non-abrasive materials.

MEKA Hammer Crushers offer high throughput capacity thanks to their large grinding grate, respectively screening area. With its extremely low construction height, it provides minimum space requirement and operates with high capacity. Thanks to the hydraulic opening device, it allows easy replacement of wear and spare parts. It offers an efficient crushing solution with its wide range of applications and high reduction ratio.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



The Hammer Arms are Made of High Quality Steel and are Easy to Service

The Body Is Covered With Replaceable Wear Plates

The Precisely Balanced Configuration of the Hammer Arms and Hammer Ensures Smooth Operation of the Crusher

The Hinged Sections Open Hydraulically

Symmetrical Structure of the Crusher Body, Rotor Rotation Direction Can Be Reversed

The Hammers are Made of Alloy Steel or Composite Casting and are Easily Replaceable

SCAN OR CLICK QR CODE TO WATCH
THE MEKA HAMMER CRUSHER VIDEO

WHY MEKA HAMMER CRUSHER?

ADVANTAGES

– High and constant capacity
– Low space requirement
– High machine availability
– Long lifetime
– Easy replacement of wear and spare parts through hydraulic opening device
– Broad range of applications
– High reduction ratio

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

	MHC 1014	MHC 1214
Rotor Diameter	1000 mm	1200 mm
	39"	47"
Rotor Width	1400 mm	1400 mm
	55"	55"
Feed Opening	1420 x 240 mm	1420 x 410 mm
	40" X 9"	56" X 16"
***Capacity**	40 - 100 mtph	50 - 150 mtph
	54 - 110 stph	55 - 165 stph
Power	90 - 132 kW	132 - 160 kW
	125 - 170 HP	170 - 220 HP
****Weight**	7940 kg	9690 kg
	17505 lbs	21360 lbs

**For material weighing 1.6 t/m^3 or 100 lbs/ft^3.*
Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MHS SERIES

HORIZONTAL SCREENS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

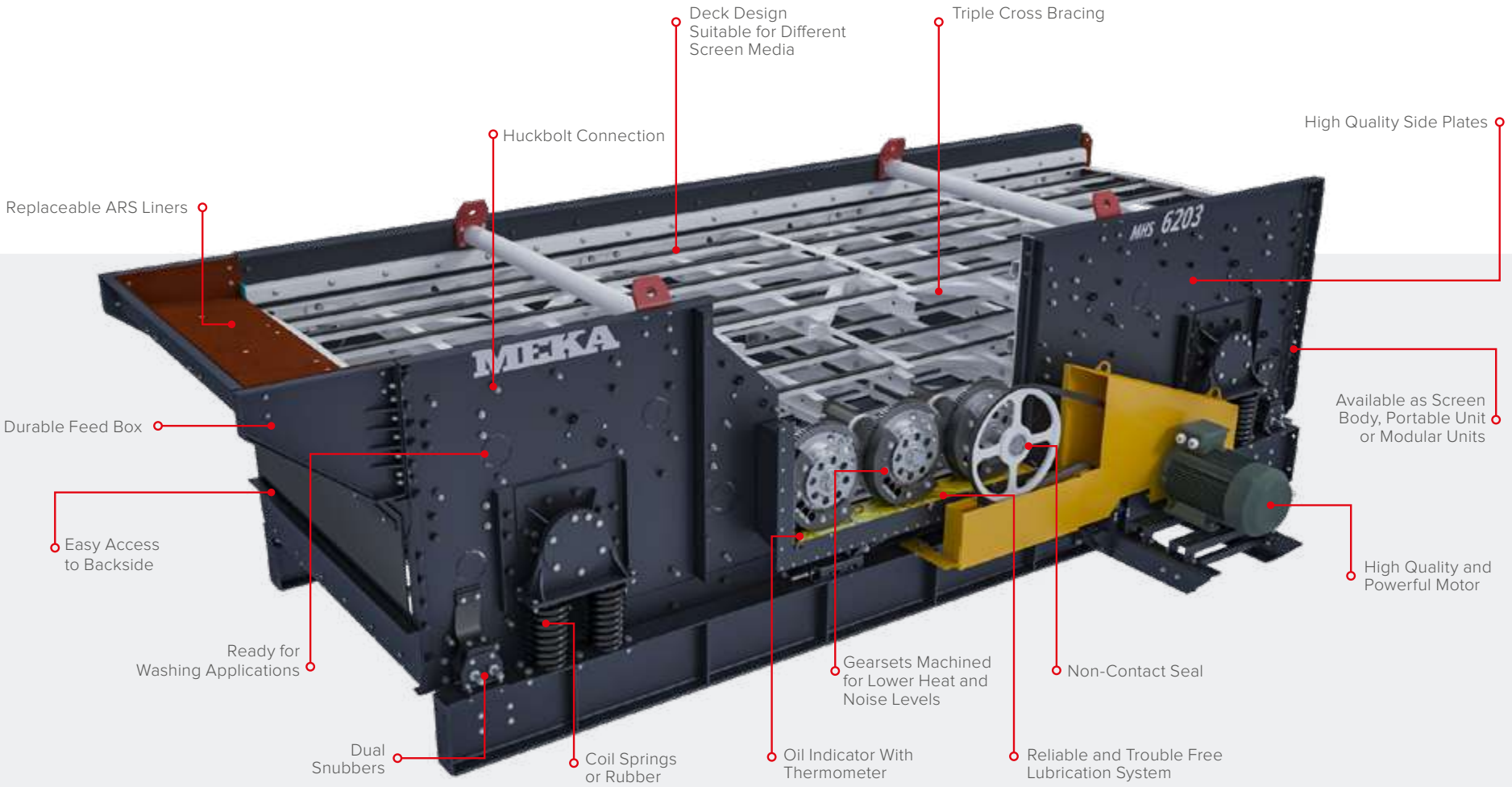
BETTER EFFICIENCY, MORE ADAPTABILITY

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.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA HORIZONTAL SCREEN ANIMATION

SCAN OR CLICK QR CODE TO WATCH
THE MEKA HORIZONTAL SCREEN VIDEO

SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE MEKA HORIZONTAL SCREENS ARE USED

WHY MEKA HORIZONTAL SCREEN?

OVAL STROKE GEARED TO PRODUCTIVITY

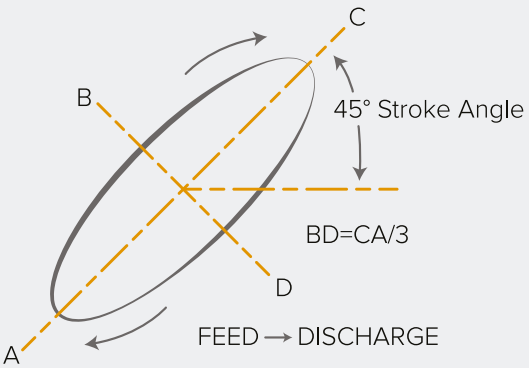
MEKA Horizontal Screens generate power via three-shaft impulse mechanism located in the centre of the screen body with eccentric counterweights. The combination of the three shafts provide an oval stroke with adjustable amplitude, speed and operating angle, determined by application.

Oval stroke screen action combines the best features of the circle and straight line throw into a unique oval stroke, by benefiting from the screening of the circle throw with the conveying action of the straight line. The motion is nearly vertical through the initial lift phase of the stroke,and the openings in the screen cloth are perpendicular to the material. This provides optimum alignment and maximum probability of material passage through the screen openings.

Adjusting the stroke angle has been found to be the most influential in optimising the screen efficiency. Higher stroke angles increase the number of chances the material has to pass through the openings and also increases the impact to shake fines loose. Lowering the stroke angle increases the travel rate for heavy screening or scalping operations. Higher speed is sometimes desired for scalping duty.

Other benefits include,

- Less motor power required
- Smooth running-eliminates jerking action of straight stroke screens
- Adjustable angle and length of stroke
- High capacity and efficiency
- High G force action for better material stratification, reduced plugging and greater range of screenable material



WHY MEKA HORIZONTAL SCREEN?

HIGH STRENGTH SCREEN BODY

The body of the screen is extremely strong supporting the stresses required by the high power mechanism. This rigidity is provided by frames made from beam sections with stiffeners positioned in critical areas.

Side plates are made from high quality steel and laser cut holes. Frames are huck-bolted to the side plates insuring structural integrity and eliminate stress fatique in the screen body.

MOTOR BASE

The motor base coupled with the belt tensioning system enables a practical motor assembly and V belt - pulley replacement, and provides energy efficiency by keeping the belt tension at the desired level. In addition, by providing a bolted connection between the motor frame and the main frame, cracks and fatigue issues associated with welding are avoided.

WHY MEKA HORIZONTAL SCREEN?

WET SCREENING

The washing system has been designed for complete reliability with;

- Replaceable nozzles,
- Inclinable perforated tubes that can adjust the angle of the jets,
- An adjustable valve per spray pipe,
- Sealing boots along the side plates,
- Perforated rubber tubes,

WIRE CLOTH STRETCHING SYSTEM

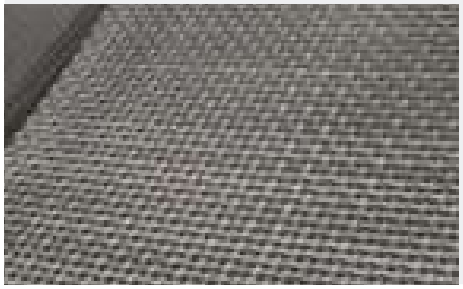
Screen meshes are fastened to the screen body by means of screen clamps and sheet bars, after being well stretched at the edges by the tension sheet. Thus, any slackening of the screen meshes during the screening process is prevented.

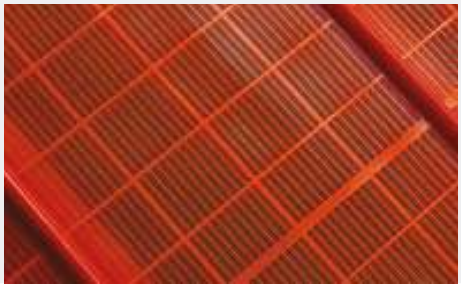
SCREEN DECKS

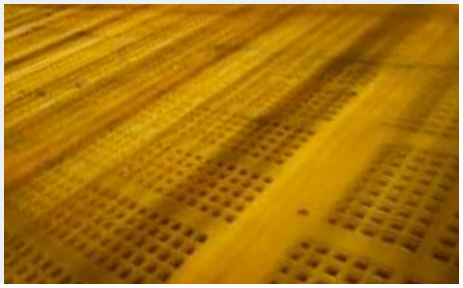
MEKA Horizontal screens can accommodate all media types, wire cloth, urethane and rubber. Steel Wire cloth is suitable for the screening of low moisture materials that are non-corrosive and non-abrasive, and that will not cause clogging or accumulation problems.

RUBBER AND POLYURETHANE SCREEN MEDIA

Rubber and Polyurethane screen media is used for the screening of highly corrosive materials that require high abrasion resistance. They are more resistant to clogging and material accumulation than steel wire mesh.







WHY MEKA HORIZONTAL SCREEN?

MOUNTING ARRANGEMENT

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

Coiled spring is used when there is no threat of corrosion or abrasion, when there are plenty of opportunities for maintenance and spring replacement, and when loss of time due to problems caused by spring fracture is not an issue.

Rubber spring should be used when there is a risk of corrosion or abrasion, when there are limited opportunities for maintenance and spring replacement, and where any halt in production will result in significant costs.

Additional benefits;

- Lower operation noise,
- Increase safety for operators
- Smoother shut down of the screen

BEARINGS AND LUBRICATION

Self aligning taper roller bearings are used to withstand the high thrust and radial loads under which the drive shafts of the triple drive system operate. The roller bearing lubrication is carried out by oil lubrication in an oil bath, which reduces operating temperature for increased bearing life and results in low maintenance.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Model		MHS 5163	MHS 6162	MHS 6163	MHS 6202	MHS 6203	MHS 8202	MHS 8203
Heavy Duty Model		Available	Available	Available	Available	Available	Available	Available
Width x Length	mm	1562 x 4877	1930 x 4877	1930 x 4877	1930 x 6096	1930 x 6096	2540 x 6096	2540 x 6096
	inch	61,5 x 192	76 x 192	76 x 192	76 x 240	76 x 240	100 x 240	100 x 240
Number of decks		3	2	3	2	3	2	3
Power	kW	30	30	30	30	30	37	37
	Hp	40	40	40	40	40	50	50
Sheave (Screen)	mm	Ø620	Ø620	Ø620	Ø620	Ø620	Ø620	Ø620
	inch	Ø24,4	Ø24,4	Ø24,4	Ø24,4	Ø24,4	Ø24,4	Ø24,4
Sheave (Motor)	mm	Ø306-Ø365	Ø306-Ø365	Ø306-Ø365	Ø306-Ø365	Ø306-Ø365	Ø306-Ø365	Ø306-Ø365
	inch	Ø12-Ø14,3	Ø12-Ø14,3	Ø12-Ø14,3	Ø12-Ø14,3	Ø12-Ø14,3	Ø12-Ø14,3	Ø12-Ø14,3
Speed	rpm	730-870	730-870	730-870	730-870	730-870	730-870	730-870
**Weight	kg	8781	7781	9275	8850	10588	12517	14267
	lbs	19359	17154	20448	19511	23342	27595	31453

** Rpm is given for 1500 rpm motor.*
*** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

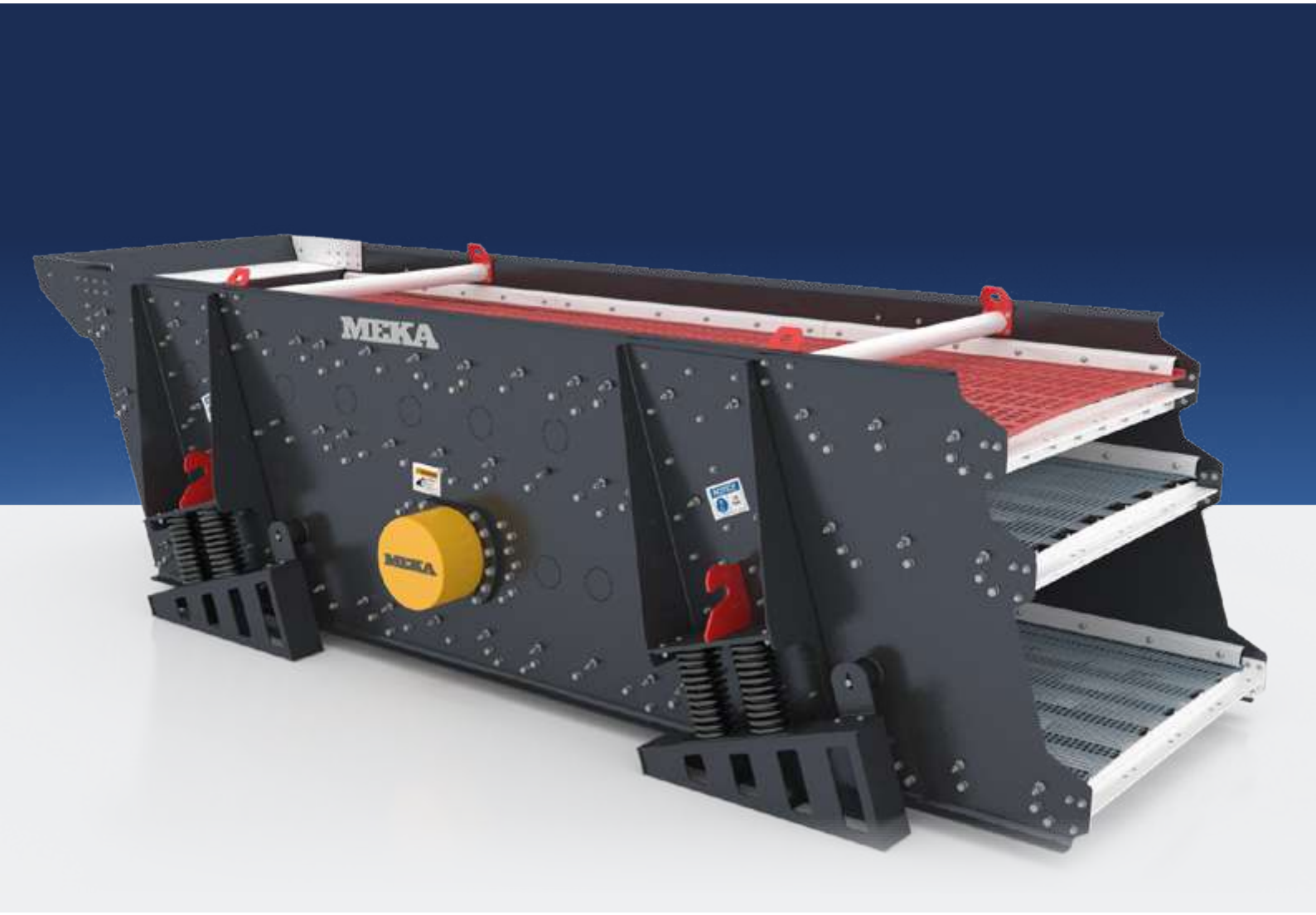
Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MS SERIES

INCLINED SCREENS



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

INCREASE YOUR PLANT THROUGHPUT WITH UNPARALLELED SCREENING PERFORMANCE

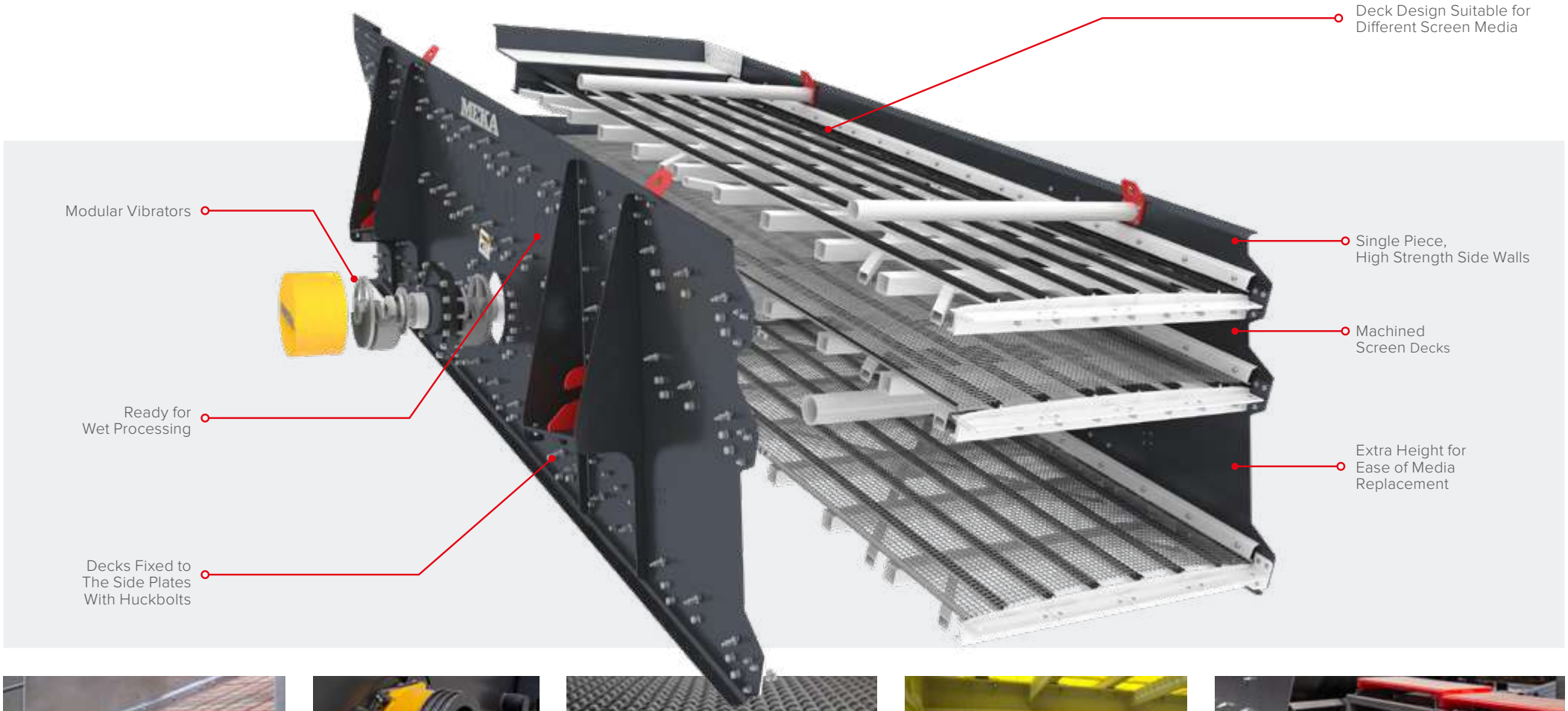
MEKA Inclined Screens combine quality, safety and performance for a long service life even in the most demanding applications. The circular stroke movement optimizes production capacity by reducing return load while increasing screening efficiency.

Thanks to the circular motion mechanism, MEKA Inclined Screens easily adapt to different screening conditions. The precise adjustment of amplitude and speed helps to achieve maximum efficiency according to the changing material structure. The extra strong body structure, huck bolt connection systems, modular drive mechanism and self tensioning motor mounts ensure long-term and trouble-free use.

Working inclined with respect to the ground, this high g-force screen is used to classify various materials in many different industries. Depending on the application, the stroke length and operating speed can be adjusted quickly and easily. The modular design facilitates maintenance processes, while different screen cover systems reduce dust emission and ensure an environmentally friendly screening process.

With its durable construction, flexible design options and high efficiency, MEKA inclined screens offer a reliable solution for crushing and screening plants.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL







WHY MEKA INCLINED SCREEN?

HUCK-BOLTED ASSEMBLY SIDE PLATES

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

MODULAR-TYPE DRIVE SYSTEM

Meka MS series screens are equipped with a modular drive system for easy servicing. The two-piece drive-shaft 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.

SELF-TENSIONED MOTOR BASE

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

VIBRATION ANALYSIS

In the vibration analysis, MEKA inclined vibrating screen achieved the targeted stroke, acceleration, stroke angle and proved its suitability in the test area of the factory. MEKA measures the quality of its screens by combining the appropriate measurement and evaluation systems with advanced engineering knowledge by using the latest technology.

WHY MEKA INCLINED SCREEN?

DEM & FEM ANALYSIS

Pioneer computial analysis methods are used at MEKA research and development centers. For instace, Discrete Element Method (DEM) is most advanced method for aggregate industry. It accurately simulates the flow behavior of bulk materials with complex particle shapes and size distributions. Finite Element Method (FEM) is another software that provide to simulate machine parts reaction under working loads, thermal condition etc. MEKA designs machines with various latest methods to increse service time of the componenets.

Resonance is disaster for all of machines especially vibrating, like screens. Modal analysis is the most appropriate method to obtain resonance frequencies. MEKA applies modal analysis techniques ro all of screens and vibrating machines to obtain stable at any stage of production.

HIGH QUALITY SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MS series inclined screen is made of high-tensile heat-treated 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 close to the drive system. Such fractures make the screen unusable by expanding on the side plate.

WET SCREENING

The washing system has been designed for complete reliability with;

- Replaceable nozzles,
- Inclinable perforated tubes that can adjust the angle of the jets,
- An adjustable valve per spray pipe,
- Sealing boots along the side plates,
- Perforated rubber tubes

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

	*Weight(kg)		Widthx Length		Power	
Model	kg	lbs	Metric (rnrn)	Imperial (inc h)	kW	HP
MS 1540X2	3631	8005,0	1500 x 4000	59 x 157,5	15	20
MS 1540X3	4610	10163,3	1500 x 4000	59 x 157,5	15	20
MS 1540X4	6176	13615,7	1500 x 4000	59 x 157,5	22	30
MS 1650X2	4225	9314,5	1600 x 5000	63 x 197	15	20
MS 1650X3	6220	13712,7	1600 x 5000	63 x 197	18,5	25,0
MS 1650X4	7534	16609,6	1600 x 5000	63 x 197	22,0	25,0
MS 1850X4	7250	15983,5	1868 x 4877	73,5 x 192	22,0	25,0
MS 2050X2	4600	10141,3	2000 x 5000	79 x 197	15	20
MS 2050X3	6731	14839,3	2000 x 5000	79 x 197	22,0	30,0
MS 2050X4	8750	19290,4	2000 x 5000	79 x 197	22	30
MS 2060X2	5592	12328,2	2000 x 6000	70 x 236	18,5	25,0
MS 2060X3	7468	16464,1	2000 x 6000	70 x 236	22	30
MS 2060X4	9289	20478,7	2000 x 6000	70 x 236	22	30
MS 2460X2	6111	13472,4	2400 x 6000	94,5 x 236	22	30
MS 2460X3	8158	17985,3	2400 x 6000	94,5 x 236	30	40
MS 2460X4	9943	21920,5	2400 x 6000	94,5 x 236	30	40
MS 2563X2	6598	14546,1	2500 x 6300	98,4 x 248	30	40
MS 2563X3	8672	19118,5	2500 x 6300	98,4 x 248	30	40
MS 2563X4	13435	29619,1	2500 x 6300	98,4 x 248	37	50
MS 2573X2	10580	23324,9	2500 x 7300	98,4 x 287,4	30	40
MS 2573X3	14000	30864,7	2500 x 7300	98,4 x 287,4	37	50
MS 2573X4	19022	41936,3	2500 x 7300	98,4 x 287,4	2x30	2x40

** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

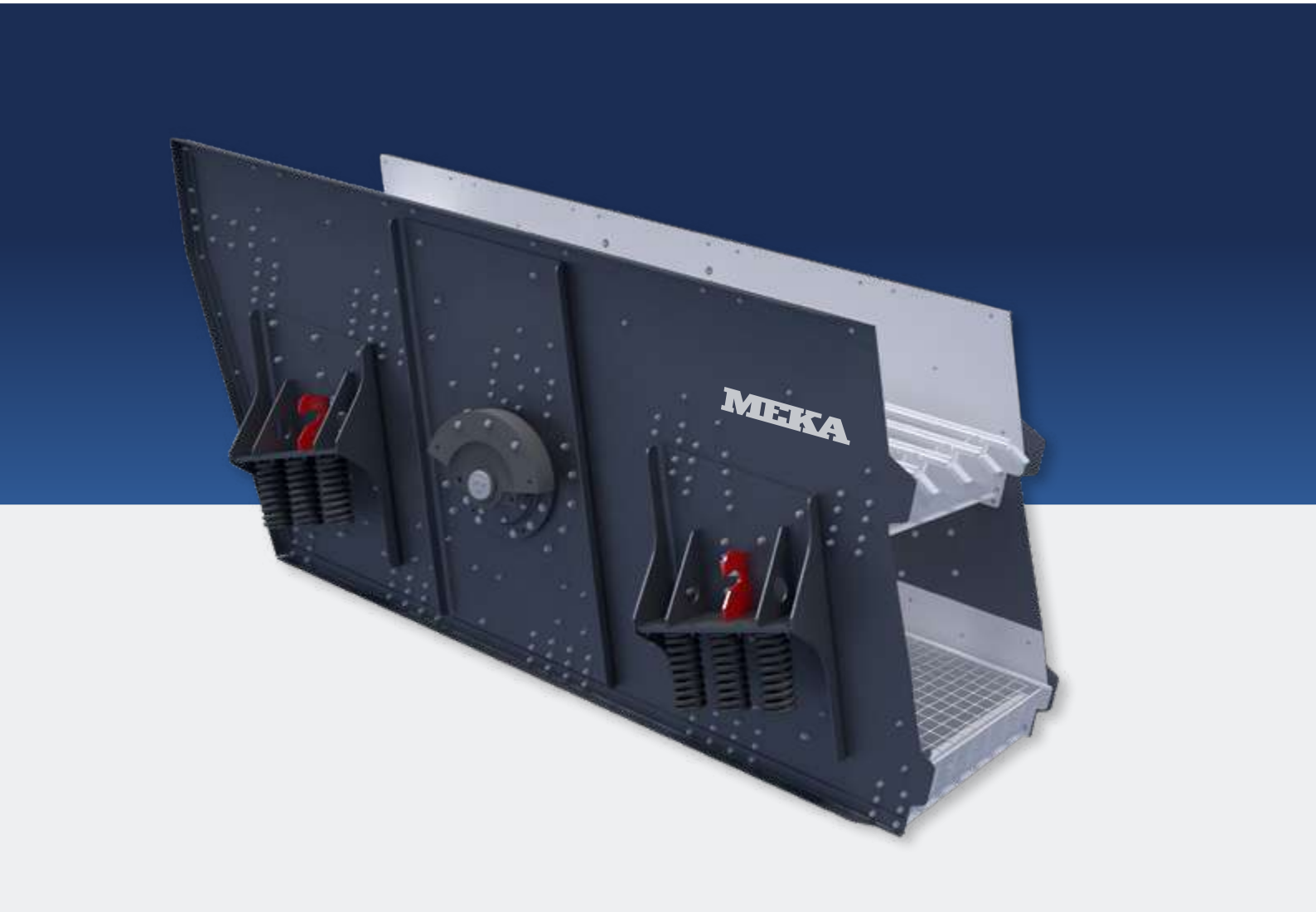
Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MGS SERIES

GRIZZLY SCREENS



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

PROVIDES EFFECTIVE AND ECONOMICAL SCREENING AFTER PRIMARY CRUSHING

MEKA Grizzly Screens are specially designed for extra heavy duty applications. Thanks to its two-deck structure operating under the effect of circular vibration, it provides efficient screening of both coarse and fine materials on a single body. These screens, which have cast grizzly on the upper deck and a screening media on the lower deck, are used before secondary crushing, but are also widely preferred in recycling, mining and ore dressing processes.

Generally used to screen coarse material after primary crushing, MEKA Grizzly Screens are suitable for feeding material up to a maximum size of 400 mm. The manganese casting grizzly on the upper deck effectively classify oversized materials, while the screen media on the lower deck allows for efficient by-passing of fine materials.

The high-performance drive system, powered by powerful motor, allows stroke adjustment by changing the counterweight positions, ensuring maximum efficiency of the screening process. The extra-strong body structure, huck bolt connection systems and motor stand provide a long-lasting and safe use, while body cracks are prevented with monolithic non-welded high quality body side plates.

With its robust structure, high capacity drive system and versatile screening capability, MEKA Grizzly Screens offer a reliable and efficient solution for crushing and screening plants even under the most challenging conditions.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL

Robust and Reliable Construction

Cross Bracing Alternatives

Decks Fixed to The Side Plates With Huckbolts

Increased Bearing Life

Adjustable Stroke and Speed

Single Piece, High Strength Side Walls

WHY MEKA GRIZZLY SCREEN?

MASSIVE DURABILITY

Excel in extreme and abrasive conditions with unparalled ruggedness and resistance to wear

VERSABILITY

Fitted with grizzly bars on the top deck, can handle big, tough loads with ease

SELF-TENSIONED MOTOR BASE

In MGS series grizzly screens, a self-tensioned motor base is a standard feature that protects both the electric motor and drive belts against tension caused by vibrations, meaning lower maintenance duration and lower costs for our customers.

NO WELD SIDE PLATES

MEKA's "no weld" policy on screen side plates eliminates the possibility of stress concentrations in heat affected zones.

HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with conventional bolted assemblies create extra labor costs, increase safety risks, and reduce overall profitability because of the rupture of bolts caused by loosening nuts. Meka's MGS series grizzly screens with huck-bolted assembly don't require maintenance for nuts and bolts, so they help ensure workplace safety.

HIGH QUALITY SCREEN BODY SIDE PLATES RESISTANT TO VIBRATION

Every MGS series grizzly screen is made of high-tensile heat-treated 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.

SCREEN DECKS

MEKA Grizzly screens can accommodate all media types,grizzly on the top deck and wire cloth or urethane or rubber on the lower deck. Steel Wire cloth is suitable for the screening of low moisture materials that are non-corrosive and non-abrasive, and that will not cause clogging or accumulation problems.

MAXIMUM EFFICIENCY

Adjustable counterweights in drive unit to assure proper screen stroke for each application.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MGS 1440	MGS 1640	MGS 1845
WidthxLength	mm	1400x4000	1600x4000	1800x4500
	feet	4½'x13'	5¼'x13'	5¼'x13'
Number of Decks		2	2	2
Power	kW	22	30	37
	HP	30	40	50
Length of Grizzly	mm	1000	1000	1500
	inch	39,4	39,4	59
***Weight**	kg	8700	9400	12124
	lbs.	19180	20723	26729

** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MDS SERIES

DEWATERING SCREENS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

FOR DRIP-FREE RESULTS

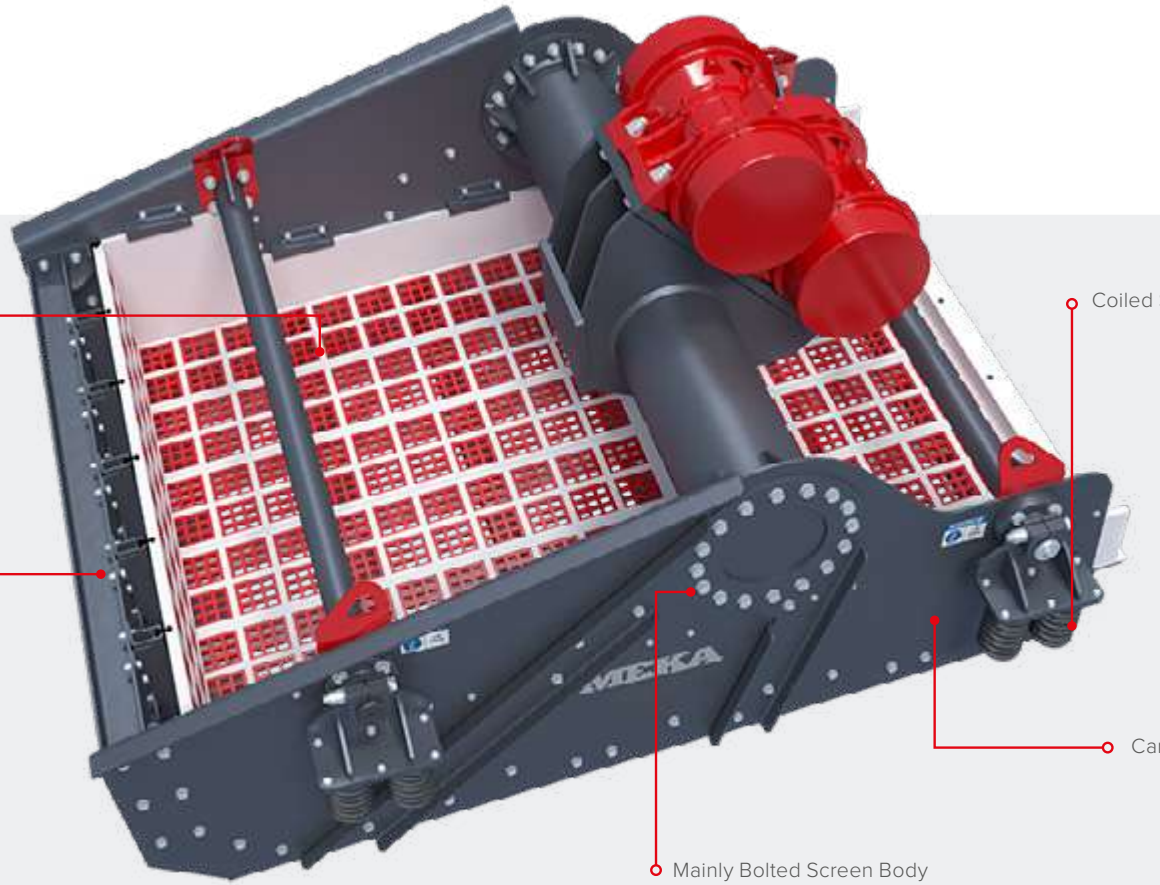
MEKA Dewatering Screens are designed to remove excess water from materials and minimize moisture content. It offers a highly efficient dewatering process thanks to its single deck and adjustable inclined structure and linear vibration motion. Generally used for dewatering washed sand prior to stockpiling, these screens also work effectively in aggregate dewatering processes.

Widely used in mining, quarries, sand and gravel production, waste water treatment and industrial applications, MEKA Dewatering Screens prevent water from moving with the material, separating solids and increasing the percentage of saleable product. While the material fed to the screen surface removes water with the effect of vibration and inclination, solid materials are efficiently separated by moving along the screen.

High frequency and G-force dewatering screens offer maximum water removal capacity. Maintenance intervals are minimized by using WS 85 polyurethane dewatering panels and polyethylene sidewall liners to increase wear resistance. The boltless connection system allows easy replacement of dewatering panels, speeding up maintenance processes.

MEKA Dewatering Screens offer a long service life thanks to its extra strong body structure, vibrating motor drive system and heat-treated motor console, and offer a reliable and durable solution by preventing body cracking with its monolithic weldless high quality body sheet.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



WHY MEKA DEWATERING SCREEN?

DRIVE MECHANISM

Vibration on MEKA dewatering screens is produced by vibrating motors which can be run at different speeds depending on the application.

Vibrator bridge is heat treated and machined which results in increased lifetime.

The two motors initiate a linear motion, driving particles in an uphill, downhill or horizontal direction, so water is strained down through the sand bed and below the screen deck.

EFFICIENCY

Adjustable high g-force vibrating motors ensure a high power to area ratio ensuring the most efficient dewatering of your sand product. Residual water content in the final product is reduced to 10-15%, ready for market straight from the belt conveyors.

SCREEN MEDIA

MEKA dewatering screens are fitted with modular polyurethane screen media as a standard. Consistent with MEKA quality, the screen surface is long lasting and easy to maintain.

VERSATALITY

Inclination is adjustable (0° to 5°) (standard is 5° incline unless otherwise specified at the time of order)

Can be used as a trash screen

DURABILITY

Replaceable polyurethane side wall protection on the MDS screen minimises material on steel contact, reducing wear and increasing the working life of the machine.

Also fully rubber lined discharge chutes provide maximum wear resistance.

HIGH QUALITY SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MDS series dewatering screen is made of high-tensile heat-treated 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.

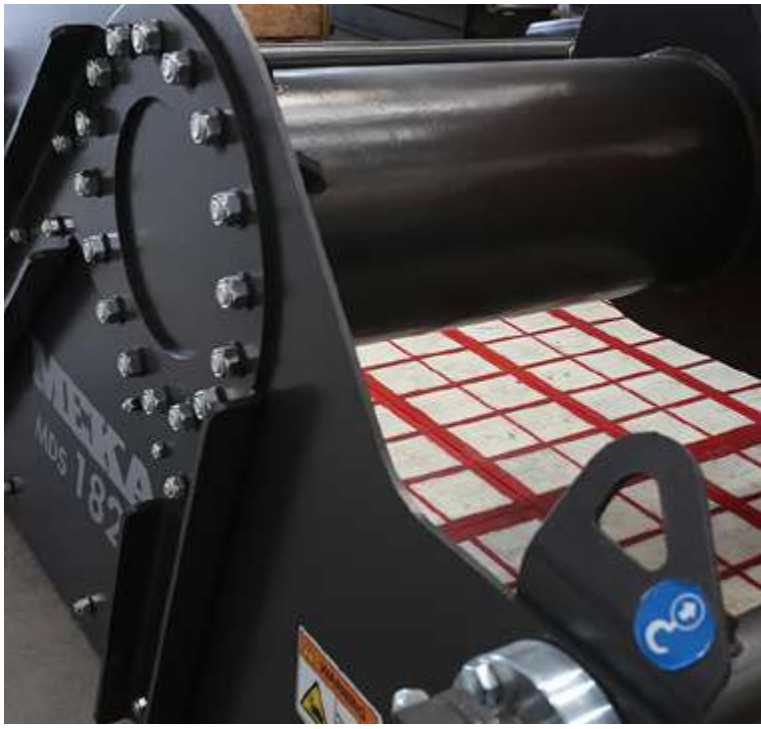
TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MDS 1224	MDS 1824	MDS 1840
WidthxLength	mm	1200x2400	1800x2400	1800x4000
	feet	3x8	6x8	6x13,1
Number of Decks		1	1	1
Power @50Hz	kW	2x2,88	2x7,35	2x6,1
	HP	2x3,86	2x9,85	2x8,18
Power @60Hz	kW	2x3,9	2x6,6	2x6,4
	HP	2x5,22	2x8,85	2x8,58
***Weight**	kg	1800	2645	4092
	lbs.	3698	5831	9021

** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS



THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MSS SERIES

SCALPER SCREENS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

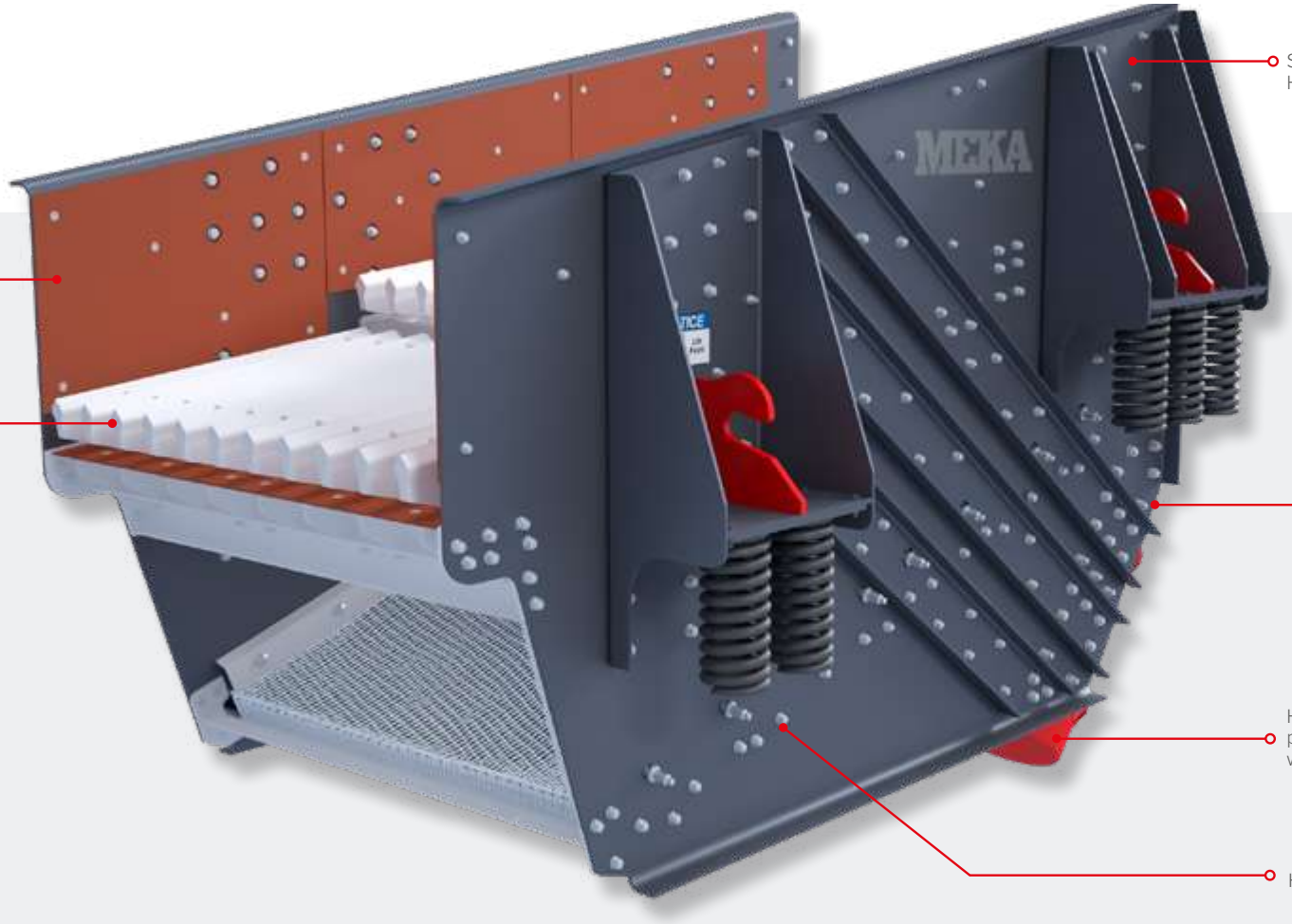
BUILT TO SCALP THE TOUGHEST, MOST ABRASIVE MATERIALS

MEKA Scalper Screens are built with a robust, heavy-duty design for coarse material feeding and high tonnages. These screens are often used in combination with a apron, pan or push feeder before the primary crusher for the most efficient results. Offering material screening with a single grizzly or perforated plate on the top deck and screening media at the lower deck. Depending on the application, single grizzly deck screens can also be supplied

Scalper screens are used in applications with excessive clay or abundant fine material, achieving efficient separation even in the most challenging conditions. They are generally effective with difficult-to-feed, wet natural fines or materials such as blasted rock or gravel containing clay.

MEKA Scalper Screens maximize the efficiency of the primary crushing unit in a wide range of applications, improving the overall performance of the plant.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



Replaceable ARS Liners

Grizzly gap adjustable depending on distribution of feed material

Single Piece, High Strength Side Walls

Heat treated and machined vibrating motor console ensures long life

High quality vibrating motors providing reliable operation with high availability

Huckbolt Connection

WHY MEKA SCALPER SCREEN?

DRIVE MECHANISM

Vibration on MEKA scalper screens is produced by vibrating motors which can be run at different speeds depending on the application.

Vibrator bridge is heat treated and machined which results in increased lifetime.

High-Quality Vibrators require very little maintenance.

EFFICIENCY

Adjustable high g-force vibrating motors ensure a high power to area ratio resulting in very high scalping efficiency for better feed to the crusher.

Long stroke capability: better scalping efficiency (when feed material contains high ratio of flaky material)

HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with conventional bolted assemblies create extra labor costs, increase safety risks, and reduce overall profitability because of the rupture of bolts caused by loosening nuts. Meka's MSS series scalper screens with huck-bolted assembly don't require maintenance for nuts and bolts, so they help ensure workplace safety.

SCREEN MEDIA

MEKA Scalper screens are fitted with a stepped grizzly on the top deck and steel wire mesh on the bottom deck. Consistent with MEKA quality, the screen surface is long lasting and easy to maintain.

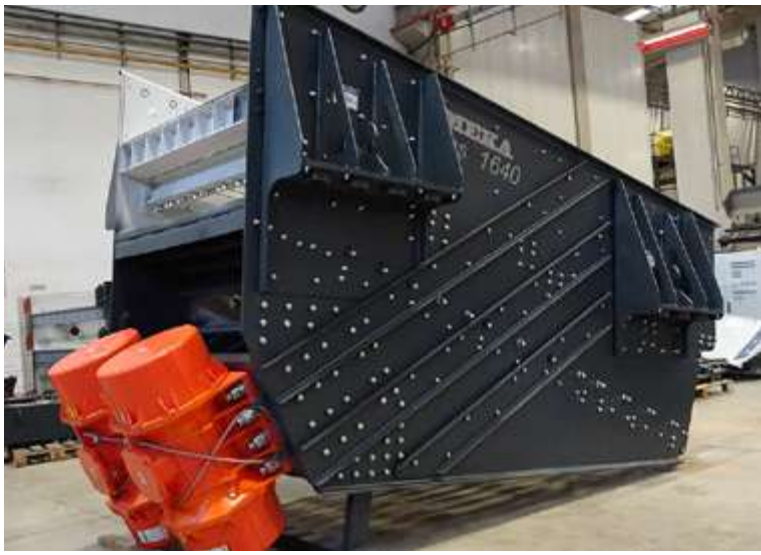
Shape of Scalping grizzlies result in: reduced blinding when feed is sticky and contains fines (increased capacity)

Adjustable Grizzly Bar Spacing allows to adapt the feeder to quarry.

HIGH QUALITY SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MSS series scalper screen is made of high-tensile heat-treated 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.



TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MSS 1030	MSS 1230	MSS 1440	MSS 1530	MSS 1640	MSS 1940
WidthxLength	mm	1000x3000	1200x3000	1400x4000	1500x3000	1600x4000	1900x4000
	feet	3¼'x10'	4'x10'	4½'x13'	5'x10'	5¼'x13'	6¼'x13'
Number of Decks		2	2	2	2	2	2
Power @50Hz	kW	2x6.1	2x7.5	2x12	2x10.1	2x13.9	2x22,6
	HP	2x8.3	2x10	2x19.4	2x13.5	2x18.6	2x30,3
Power @60Hz	kW	2x7.5	2x8	2x11	2x10.6	2x16.5	2x16,5
	HP	2x10	2x10.7	2x14.7	2x14.2	2x22.1	2x22,1
Length of Grizzly	mm	1000	1000	1000	1000	1000	1000
		39,4	39,4	39,4	39,4	39,4	39,4
***Weight**	kg	4520	5470	9000	6750	9650	12500
	lbs.	9965	12059	19842	14881	21275	27558

** Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MCSP SERIES

COMPACT SAND PLANT

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

MAXIMUM CLEANING, MAXIMUM OUTPUT, MORE PROFIT

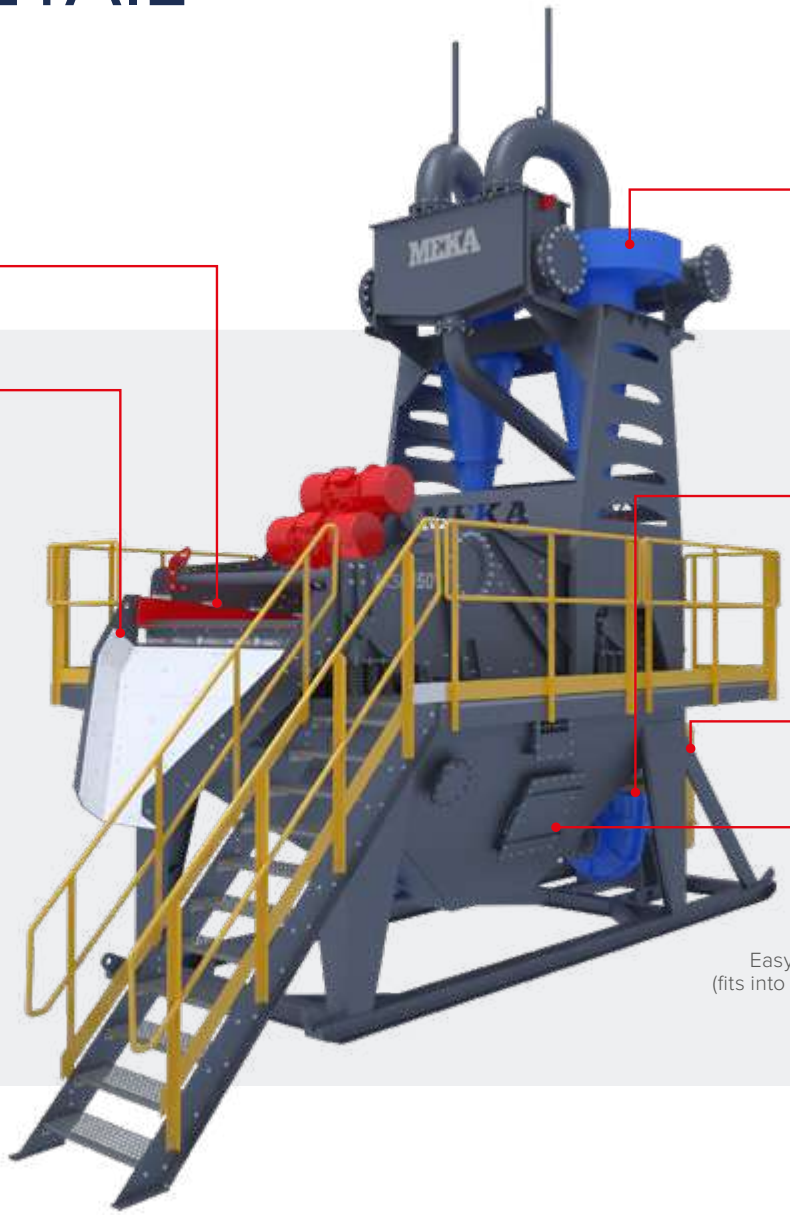
Compact Sand Plant, is a modular type washing and dewatering system consisting of a slurry pump, hydrocyclone and dewatering screen on a single skid frame. In compact grit units, fine material <200 mesh (-75 µm) in the pulp (a mixture of sand and water) is separated using a pump, cyclone and dewatering screen. Thanks to the dewatering screen in the unit, the moisture content of the final product is reduced to minimum levels.

MEKA Compact Plants ensure maximum efficiency by removing deleterious material while retaining valuable fines. The final product is drip-free and ready to ship. With its compact footprint, it fits into any plant either to replace an old washing system or to add value to the end product.

Each component of the MEKA Compact Plant is selected intelligently to give you the best value for your investment. Plant self-protects itself against running dry or oversize particles. All wear parts have very long service lives and when the day comes very easy to replace on-site

MEKA
MCSP SERIES
COMPACT SAND PLANT

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



WS85 Dewatering Panels are widely available trough local suppliers

Drip-free, clean, ready-to-sell product

Pump does not require gland water

Pump & Cyclone has worldwide spare-parts and service availability through provider

Easy and fast installation (if place and electricity is ready can be installed and ready to run in less than 8 hours)

Very easy maintenance

Easy transportation
(fits into 1 40' container)

SCAN OR CLICK QR CODE TO WATCH
THE MEKA COMPACT SAND PLANT
ANIMATION

WHY MEKA COMPACT SAND PLANT?

MANUFACTURED SAND PRODUCTION

VSI Crushed sand usually contains more than 7% -200 mesh fines. All MCSP series compact plants can accept -4mm (1/8”) crushed sand and on most of the applications will give a product gradation that perfectly matches standards. When producing manufactured sand, usually a lot of wear and electricity is consumed during the process. Any other washing method loses too much of the fines leaving the customer with less than ideal product and wasting plant capacity and power. High value fines report to settling ponds and become a problem while they could be profits.

FRAC SAND/INDUSTRIAL SAND/ GLASS SAND APPLICATIONS

When the feed has more than 10% water soluble clays and silts MEKA Compact Plants are the best choice to produce ready to sell product in just one pass. On most applications ultra fines can be reduced from 20% to less than 4% in a single pass. For tougher applications MEKA MCSP plants can easily be integrated with pre-wash plants. These plants require minimal additional water and allow to reduce fines from 36% to less than 4% in a single pass.

ULTRA FINE PLANTS

UFP Plants perform very well when the job is to reduce load on thickeners, filter presses or settling ponds. Unfortunately their product is usually not very valuable. With simple adjustments a MEKA MCSP series plant will be able to recover at least 70% solids that would be recovered with a UFP Plant. Unlike an UFP Plant the product from a MCSP plant will have higher sale value and can be mixed with ¼” material to increase its sales value.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MCSP 90	MCSP 150	MCSP 210
***Capacity**	mtph	90	150	210
	stph	100	165	231
Maximum Water Requirement	m^3/h	270	450	630
	gal/min	1188	1981	2773
Cyclone Diameter	mm	500	660	2 x 660
	inch	20"	26"	2 x 26"
Screen Motor Power	kW	2 x 2,88 / 1500 rpm	2 x 7,35 /1500 rpm	2 x 6,1 / 1000 rpm
	HP	2 x 3,86 / 1500 rpm	2 x 9,85 /1500 rpm	2 x 8,2 / 1000 rpm
Dewatering Screen Size	mm	1200 x 2400	1800 x 2400	1800 x 4000
	feet	4'x8'	6'x13'	6'x13'
Pump Size	inch	8"/6"	10"/8"	10"/8"
	mm	200x150	250x200	250x200
Pump Power	kW	45	55	75
	HP	60	74	100
****Weight**	kg	7475	10900	16750
	lbs	16480	24030	36927

**Capacity values are indicative only, results may vary depending on feed gradation, silt, clay content,density, amount of water used, equipment configuration and application.*
*** Weights shown include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MFW SERIES

FINE MATERIAL WASHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

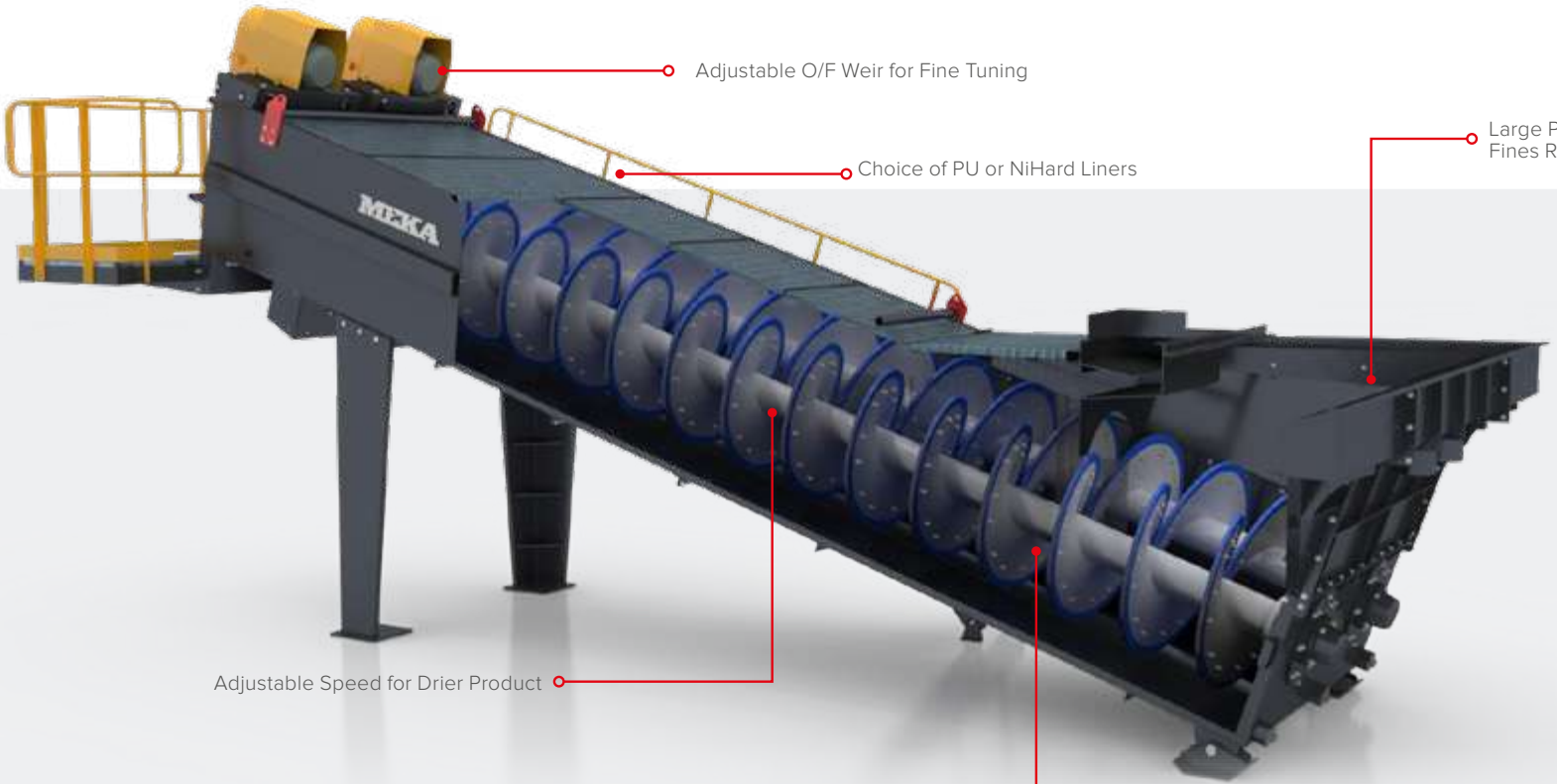
www.mekaglobal.com

EFFICIENT SEPARATION, IN-SPEC PRODUCT

Fine Material Screw Washers, also called sand screws or spiral classifier, are equipment which are used to dewater, classify and wash for removing excessive dust, the impurities and producing high-quality sand. They also have a light scrubbing effect and this help to remove clays, silts and unwanted contaminants.

In MEKA Fine Material Washers separation is accomplished by hydraulic separation; using water to clean and classify by weight. Larger particles (Sand) weigh more so they sink and are collected in the bottom of the trough. They are discharged by steel spiral shaft with replaceable polyurethane or cast steel linings. The smaller lighter unwanted particles are floated to the surface and discharged over the weirs at the lower end of the machine.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL

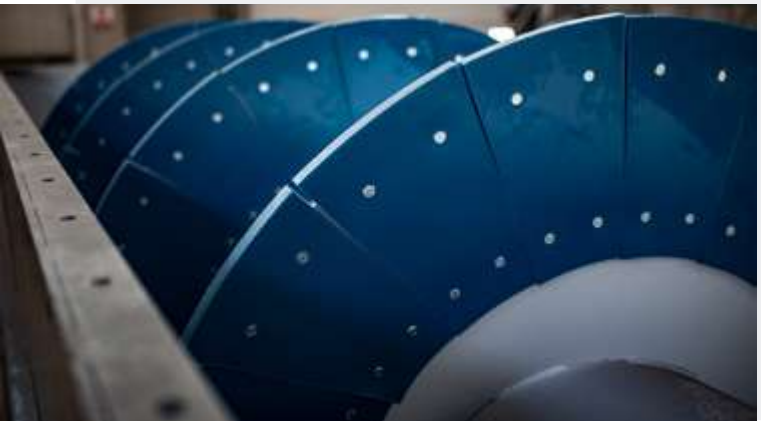


SCAN OR CLICK QR CODE TO WATCH
A VIDEO OF A FACILITY WHERE
MEKA FINE WASHER IS USED

WHY MEKA FINE MATERIAL WASHERS?

SUPERIOR DESIGN

* Larger pool settling areas provide higher retention of +75 micron (200 mesh) product sized solids,
* Large gap between the screw shaft spiral and the washer tub eliminates abrasive wear on the tub.
* Extra-long dry deck area and longer screw shafts, provide efficient dewatering of material,
* Superior design rear bearing assembly keeps water and even the smallest particles from reaching the bearing.
* Shafts are made of extra-heavy steel pipes that have heavy-duty steel flights, equipped with bolt-on inner and outer renewable, abrasion-resistant wear shoes.



READY TO OPERATE

* V-Belt drive guarding, top protective safety covers, front supports and a discharge chute are supplied as standard with the washer,
* If an application calls for a greater level of dewatering, can be placed in series with Hydrocyclones, Dewatering Screen systems.

VERSATALITY

* MEKA offers an extensive range of sizes of Fine Material Washers with single and double screws,
* Multiple screw shoe wear materials are available,
* Standard gearboxes for quick local procurement or factory support if necessary.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

METRIC		MFW 3625S	MFW 3625D	MFW 4432S	MFW 4432D	MFW 5434S	MFW 5434D	MFW 6635S	MFW 6635D
		(Single Screw)	(Double Screw)	(Single Screw)	(Double Screw)	(Single Screw)	(Double Screw)	(Single Screw)	(Double Screw)
Dimensions	mm x mm	917x7769	917x7769	1120x9802	1120x9802	1370x10060	1370x10060	1675x10760	1675x10760
	inch x feet	36"x25'	36"x25'	44"x32'	44"x32'	54"x34'	54"x33'	66"x35'	66"x35'
***Capacity (mtph)**	mtph	23-90	45-180	35-160	70-315	60-250	125-500	90-360	180-725
	stph	25-100	50-200	40-175	80-350	70-275	140-550	100-400	200-800
Material Size (mm)	mm	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10
	inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Power	kW	15	2x15	18,5	18,5x2	30	2x30	45	2x45
	HP	20	2x20	25	2x25	40	2x40	60	2x60
Screw (rpm)	rpm	10-21	10-21	8-17	8-17	7-14	7-14	5-11	5-11
** **Weight**	kg	6500	11700	10500	18850	13950	25000	22000	40250
	lbs	14333	25799	23153	41566	30761	55127	48512	88754
Water-100 Mesh	gpm	720	1250	1720	2800	2090	3700	2590	4375
	m3/h	164	284	391	637	475	842	589	995
Water-150 Mesh	gpm	320	640	760	1440	930	1750	1150	2100
	m3/h	73	146	173	328	212	398	262	478
Water-200 Mesh	gpm	180	360	460	810	575	935	650	1095
	m3/h	41	82	105	184	131	213	148	249

**Capacity values are indicative only, results may vary depending on feed gradation, silt, clay content,density, amount of water used, equipment configuration and application.*
*** Weights shown include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MCW SERIES

COARSE MATERIAL WASHERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

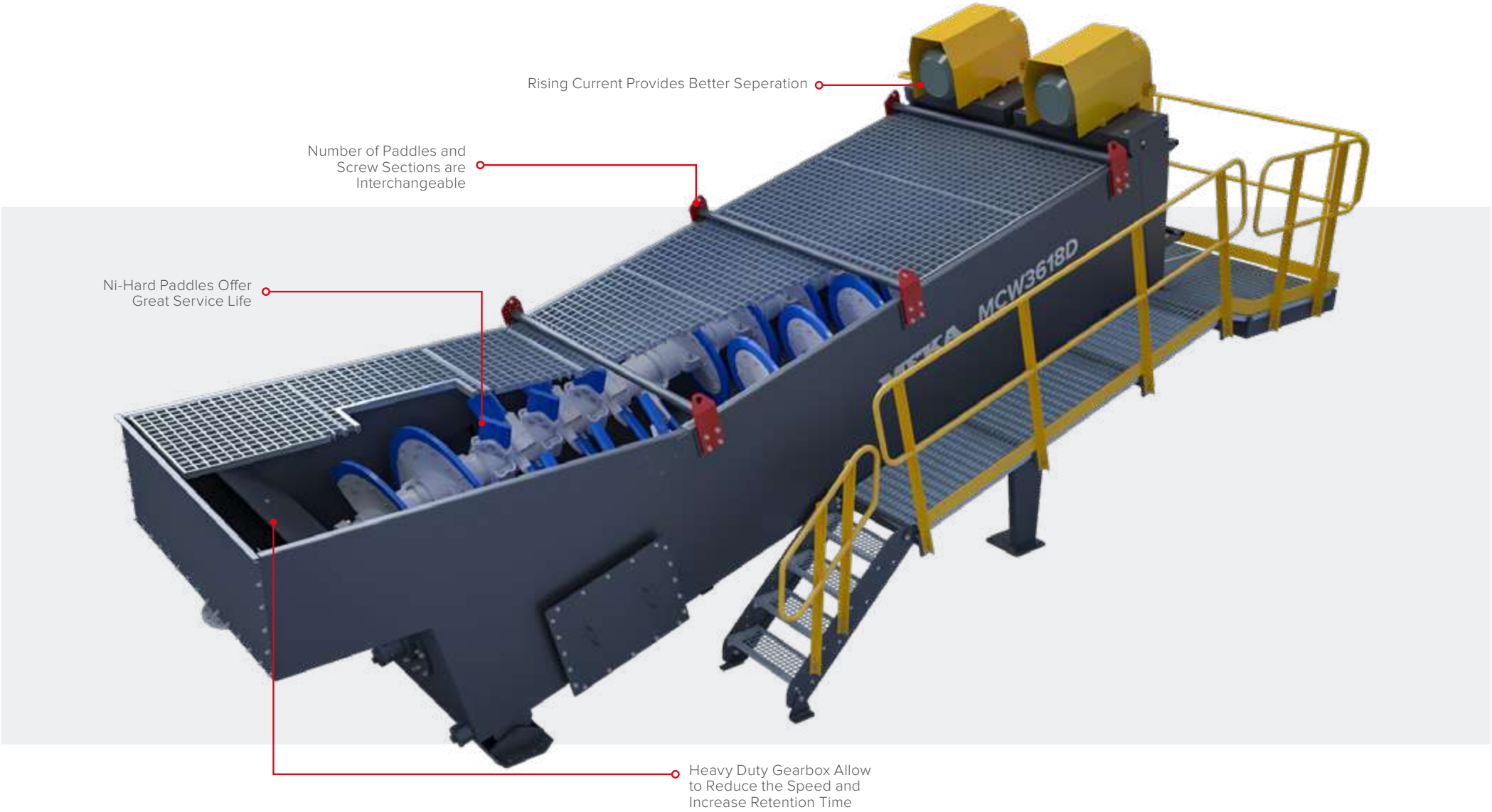
AFFORDABLE SCRUBBING

Coarse Material Washer is a washing equipment consist of shafts with paddles and spiral screw flights to provide scrubbing and agitation.

They effectively remove soluble clays in gravel or aggregate that cannot be removed by wet screening alone. They can also be used to remove floating organic waste material such as vegetation.

Coarse material washers are used to remove contaminated material such as silt, soft clay, organic particles from the aggregate. They are usually used in the final washing process following the wash screen and are designed to remove gravel and crushed stone up to 75 mm (3'') in size. Both single and double shaft types are available depending on the required capacity.

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



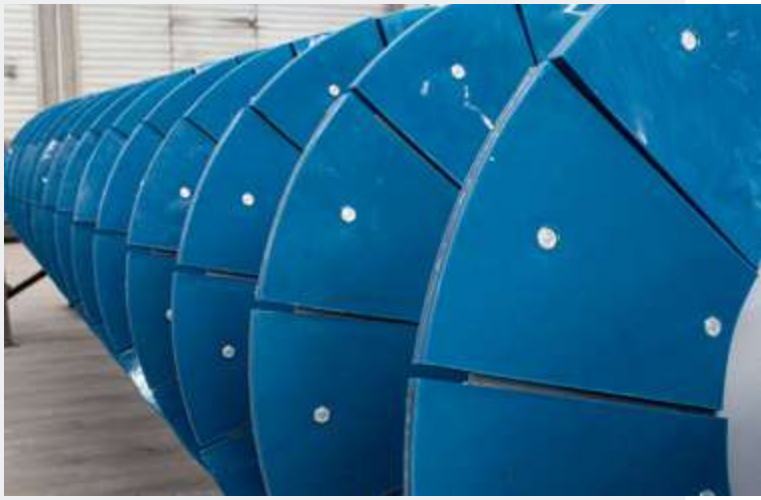
WHY MEKA COARSE MATERIAL WASHERS?

SUPERIOR DESIGN

* Lowest power choice for ore and rock washing,
* Paddles are installed on the shaft at the feed end provide abrading/washing action and spiral flights provide conveying of the material to the discharge
* Based upon the type of material and contaminants, the desired capacity and the maximum feed size, washer can be configured with more paddles than standard.
* Large gap between the screw shaft paddle-spiral and the washer tub eliminates abrasive wear on the tub.
* Superior design rear bearing assembly keeps water and even the smallest particles from reaching the bearing.
* Shafts are made of extra-heavy steel pipes that have inner and outer renewable and reversible abrasion-resistant paddles in the scrubbing area. The paddles are followed by heavy-duty steel flights, equipped with bolt-on inner and outer renewable, abrasion-resistant wear shoes.

READY TO OPERATE

* V-Belt drive guarding, top protective safety covers, front supports and a discharge chute are supplied as standard with the washer,
* For best washing efficiency, sand should be screened out prior to feeding to a Coarse Material Washer, as finer material will cushion the washing action.
* If an application calls for a greater level of dewatering, can be placed in series with dewatering Screen systems.,



VERSATALITY

* MEKA offers an extensive range of sizes of Coarse Material Washers with single and double shafts,
* Multiple wear materials are available,
* Standard gearboxes for quick local procurement or factory support if necessary.

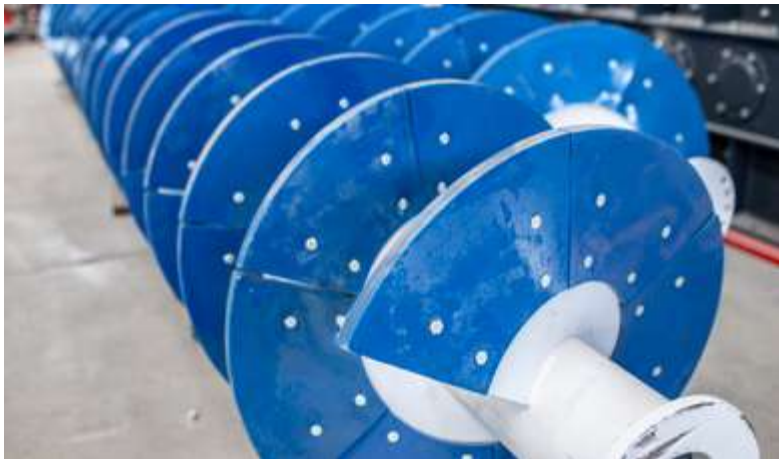
TECHNICAL SPECIFICATIONS

SPECIFICATIONS

		MCW 3618S	MCW 3618D	MCW 4420S	MCW 4420D
		(Single Screw)	(Double Screw)	(Single Screw)	(Double Screw)
Diameter x Length	mm x mm	928x5600	928x5600	1118x6382	1118x6382
	inch x feet	36"x18'	36"x18	44"x20'	44"x20'
***Capacity (mtph)**	mtph	130-160	272-316	180-230	360-450
	stph	150-175	300-350	200-250	400-500
Material (mm)	mm	0-65	0-65	0-75	0-75
	inch	0-2½"	0-2½"	0-3"	0-3"
Power	kW	30	2x30	37	2x37
	hp	40	40	50	50
Screw(rpm)	rpm	16-32	16-32	13-26	13-26
** **Weight**	kg	6500	10800	9000	15500
	lbs	14333	23815	19846	34179
Water	m3/h	90-135	160-220	110-170	200-250
	gpm	400-600	700-900	500-750	900-1100

**Capacity values are indicative only, results may vary depending on feed gradation, silt, clay content,density, amount of water used, equipment configuration and application.*
*** Weights shown include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS



THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

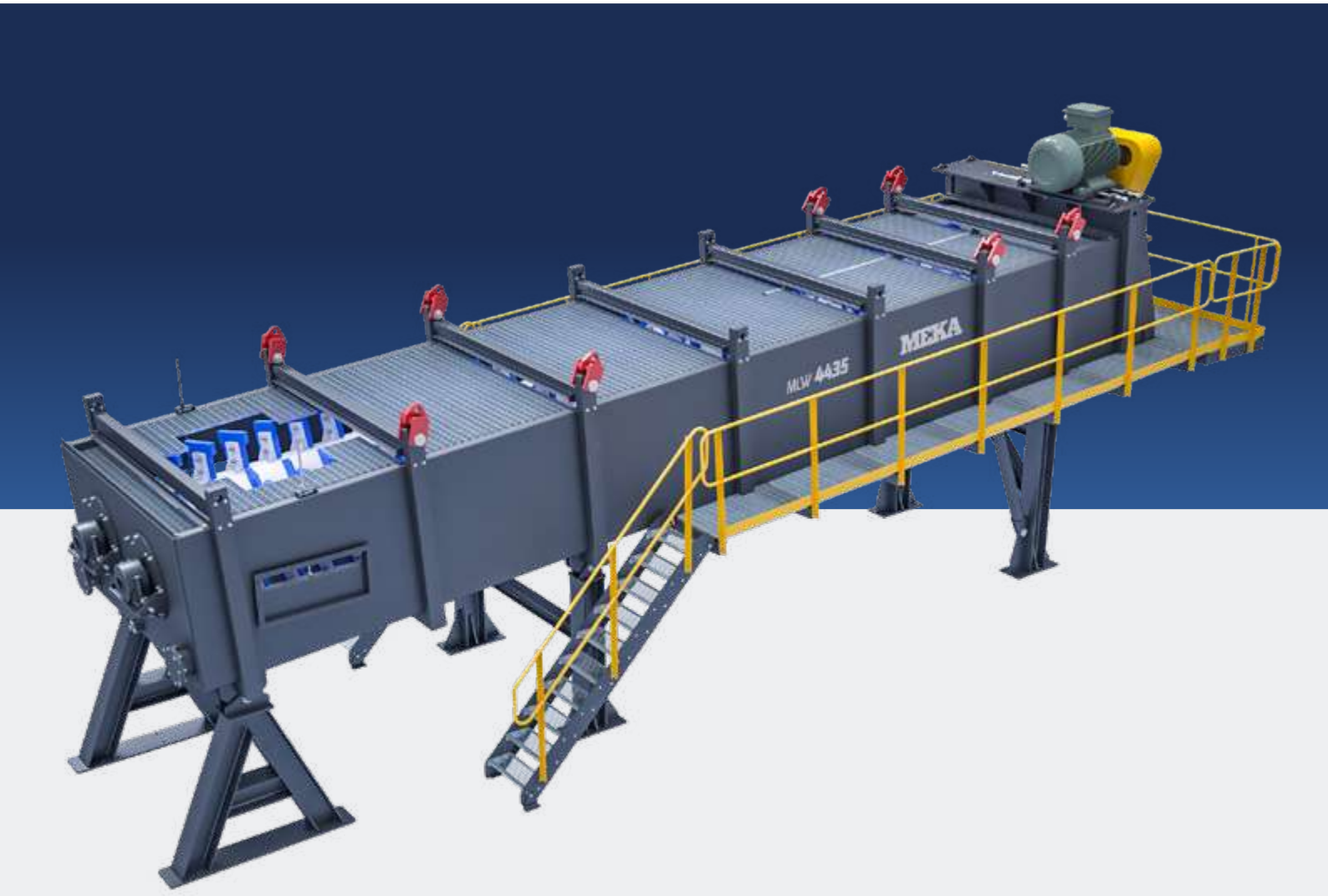
Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com

MLW SERIES

LOG WASHER



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

MAXIMUM STRENGTH, MAXIMUM POWER, CLEAN PRODUCT

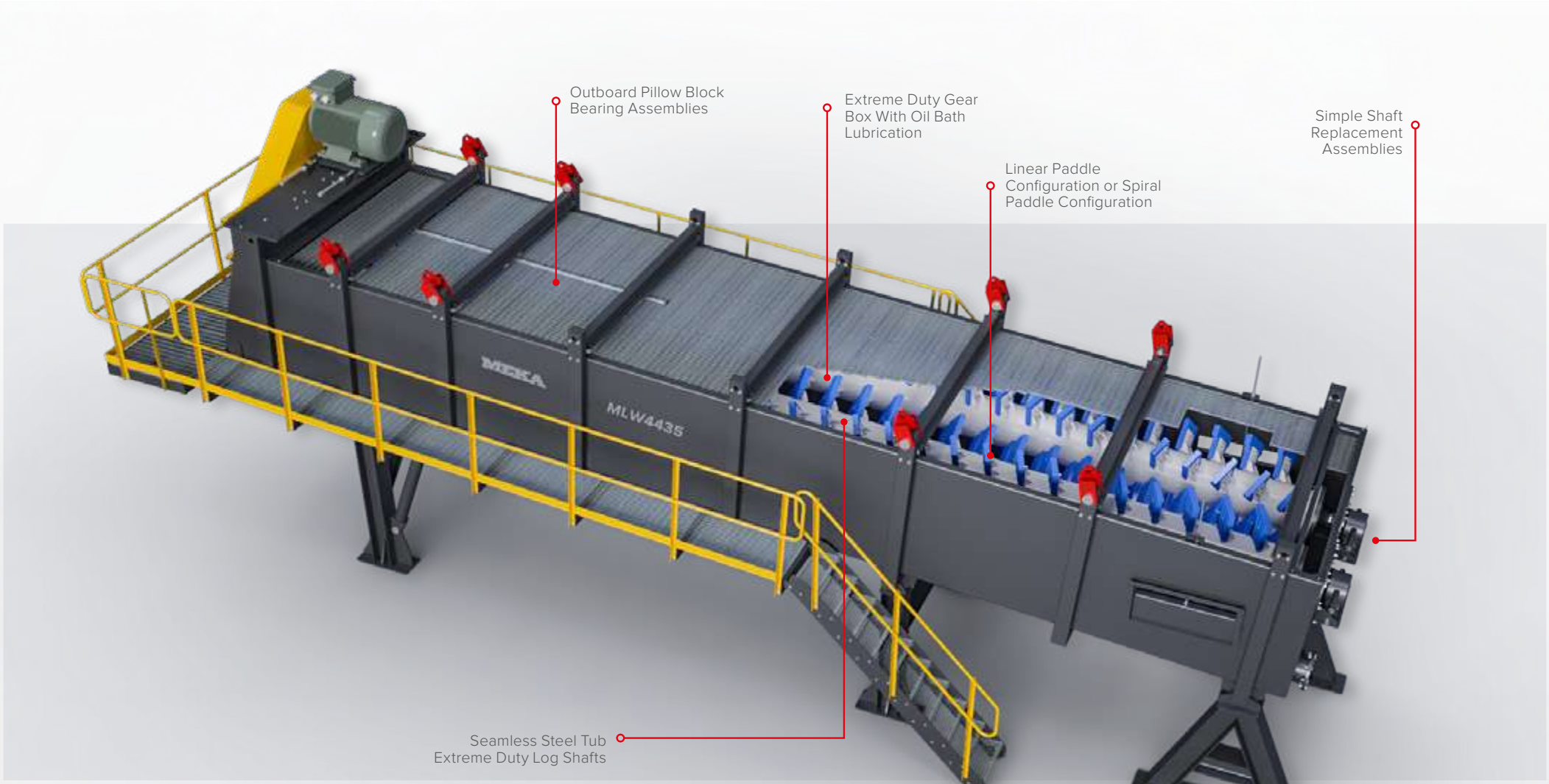
Log Washer is a washing equipment consisting of two rotating paddle shafts to provide materail-on materail scrubbing. Log Washers are used to remove tough, plastic clays in a variety of material processing applications.

MEKA Log Washers are designed to assist in the removal and breaking down of heavy plastic clay, conglomerate, and certain types of soft stone that may be present in gravel, crushed rock or ore.

Log washers are very high energy units designed to disintegrate tough clay particles. With longer wash tubs they provide significantly increased retention time. Retention can further be increased by switching to straight paddle design and higher working angles. All MEKA Log washers can be provided with spray bars to make a final rinse before the product leaves the wash box.

MEKA
MLW SERIES
LOG WASHER

READY FOR
THE HEAVIEST WORKLOADS
WITH EVERY DETAIL



SCAN OR CLICK QR CODE TO WATCH
THE MEKA LOG WASHER VIDEO

WHY MEKA LOG WASHERS?

SUPERIOR DESIGN

* Lowest power choice for aggressive ore and rock washing action,
* Log shafts are fabricated from extra-heavy, one-piece steel pipe and flanged at both ends to facilitate maintenance.
* Bolt-on, abrasion-resistant paddles are affixed to a twin shaft design to ensure an aggressive washing action that breaks down even the toughest clays.
* Cleanout gates are available and positioned at the underside of the washer box.
* Spiral or straight row paddle configuration on the shafts are available.
* Large gap between the shaft paddle and the washer tub eliminates abrasive wear on the tub.
* Superior design rear bearing assembly keeps water and even the smallest particles from reaching the bearing.

READY TO OPERATE

* V-Belt drive guarding, top protective safety covers, front supports and a discharge chute are supplied as standard with the washer,
* For best washing efficiency, sand should be screened out prior to feeding to a Log Washer, as finer material will cushion the washing action.
* While the machine has a spray bar near the discharge for an additional rinsing in most instances, MEKA recommends that the rock or ore be further washed and, as required, separated on a washing/vibrating screen.

VERSATALITY

* MEKA offers an extensive range of sizes of Log Washers.
* Depending on the severity of the washing action, MEKA Log Washers are supplied sitting at a slope of zero to 14 degrees. As the percentage of deleterious material increases, the slope must be raised to increase retention time.
* All units are equipped with a spray bar for rinsing material prior to discharge.
* Multiple wear materials are available,

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

METRIC		MLW 3630	MLW 4430	MLW 4435	MLW 4835
DIAMETER x LENGTH	mm x mm	945x9175	1120x9300	1120x10820	1225x10500
	inch x feet	(36"x30')	(44"x30')	(44"x35')	(48"x35')
*Capacity	mtph	50-125	75-175	75-175	110-365
	stph	55-138	83-193	83-193	121-400
Material	mm	75	102	102	150
	inch	3"	4"	4"	6"
Power	kW	2x55	160	160	200
	hp	2x75	215	215	270
Screw(rpm)	rpm	32	26	26	26
**Weight	kg	26074	32275	37150	42185
	lbs	57483	71169	81918	93002
Water	m3/h	114	171	171	190
	gpm	500	750	750	850

**Capacity values are indicative only, results may vary depending on feed gradation, silt, clay content,density, amount of water used, equipment configuration and application.*
*** Weights shown include drive motor package, support legs, maintenance platform, inlet and outlet chutes.*

TRUSTED BRAND IN MORE THAN 38 YEARS

THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: MEKA

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.

Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries

MEKA

www.mekaglobal.com