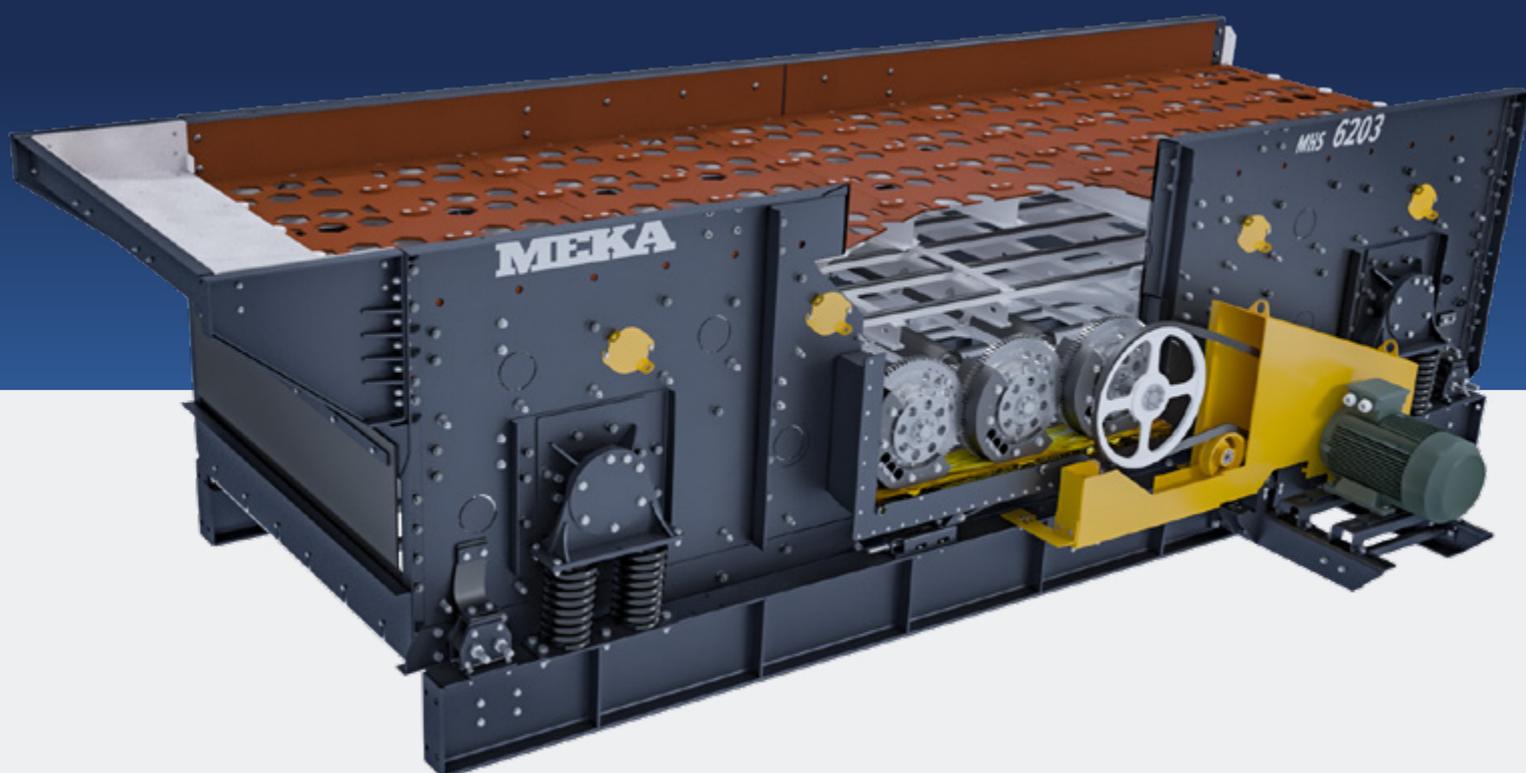


MHS SERIES

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.

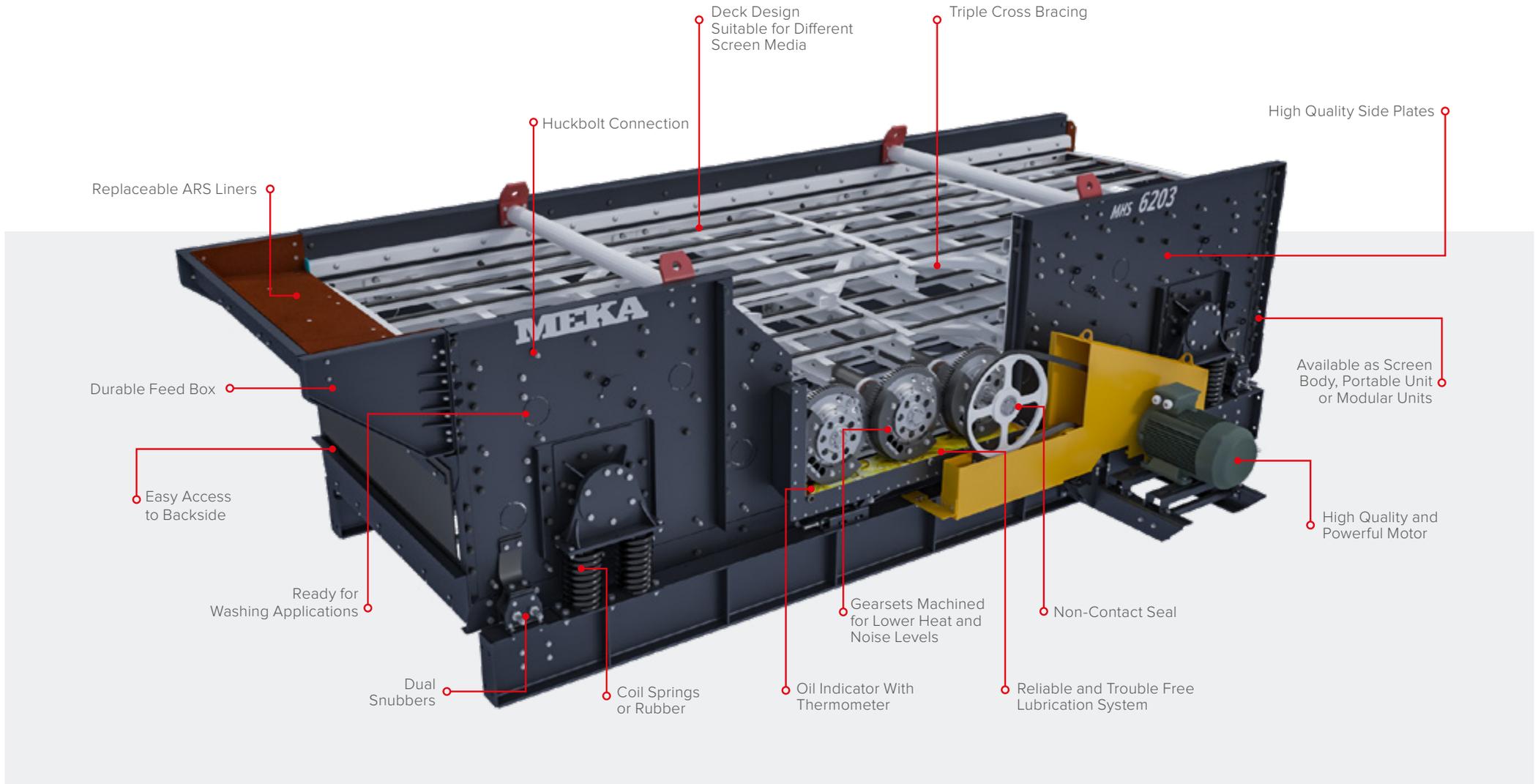
Nowadays, customers are requiring tighter specifications for products for precisely shaped aggregate or closely-sized stone. As a result, tighter control over the process is of utmost importance and the most effective point to do that is at screening.

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

MEKA
MHS SERIES
HORIZONTAL SCREENS



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

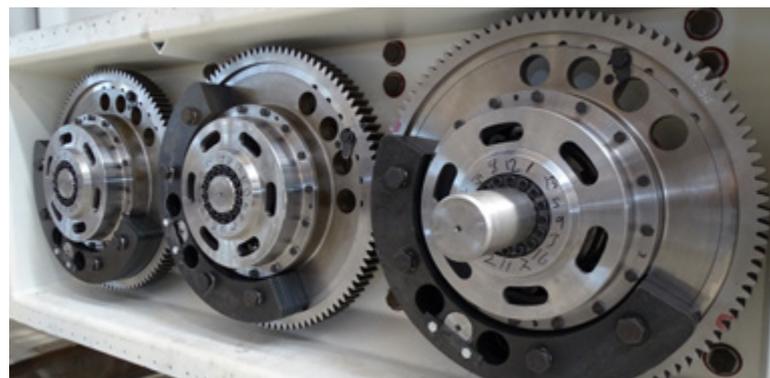
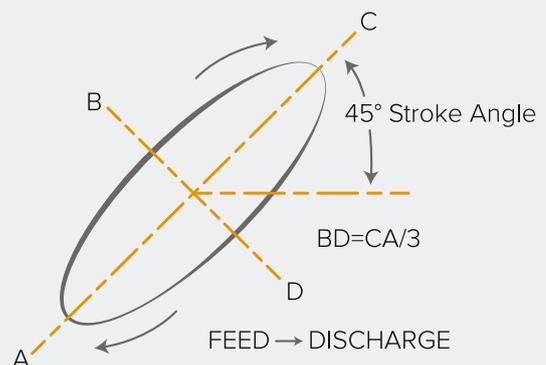
MEKA Horizontal Screens generate power via three-shaft impulse mechanism located in the centre of the screen body with eccentric counterweights. The combination of the three shafts provide an oval stroke with adjustable amplitude, speed and operating angle, determined by application.

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 fatigue 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.

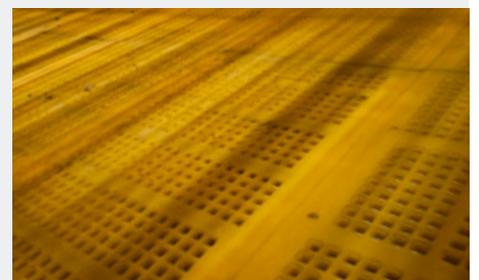
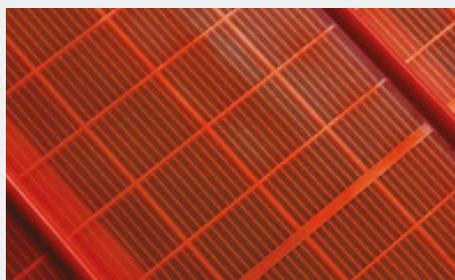


SCREEN DECKS

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						
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						
	inch	Ø24,4						
Sheave (Motor)	mm	Ø306-Ø365						
	inch	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.

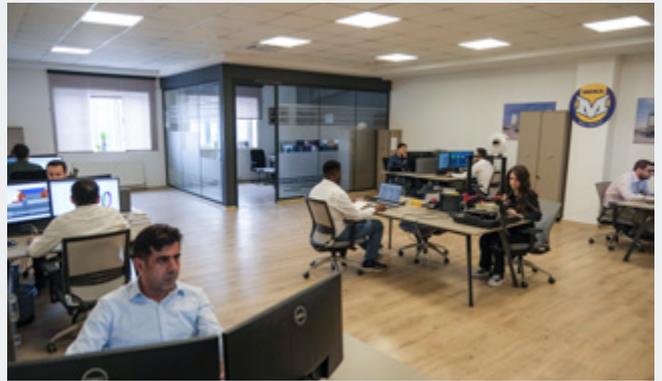
TRUSTED BRAND
IN MORE THAN
38 YEARS



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



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