

MSF SERIES

# PAN FEEDERS

WITH GRIZZLY SCALPER



**FOR THE TOUGHEST WORKING CONDITIONS**

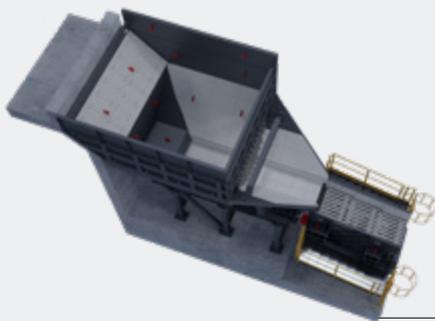
› DURABLE      › RELIABLE      › EFFICIENT

**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.

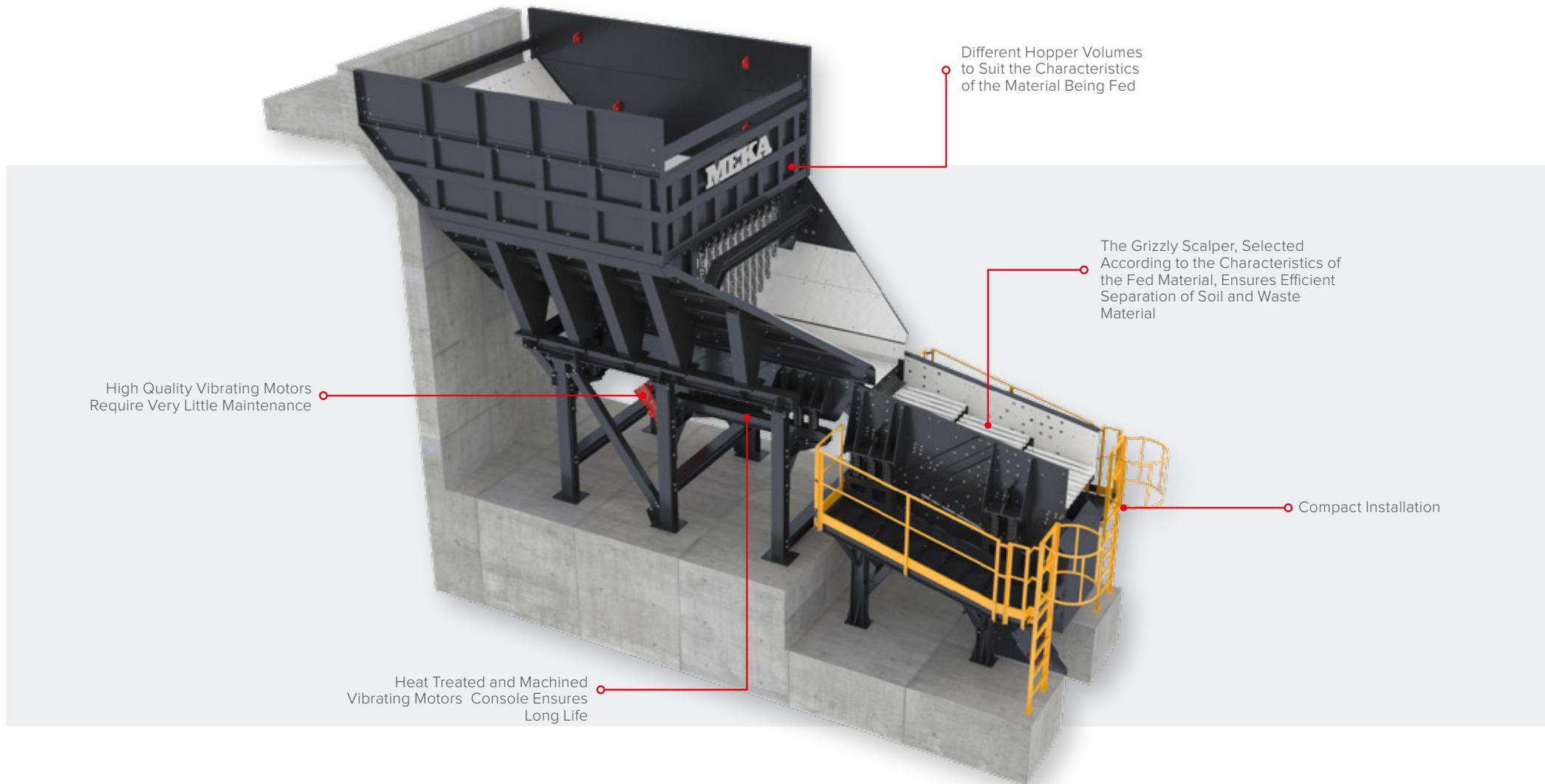
Bypassing the fine material from the primary crusher ensures that the capacity of the primary crushing unit is fully utilized.

Ideal feeders for gravel crushing plants



# READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL

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# 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.

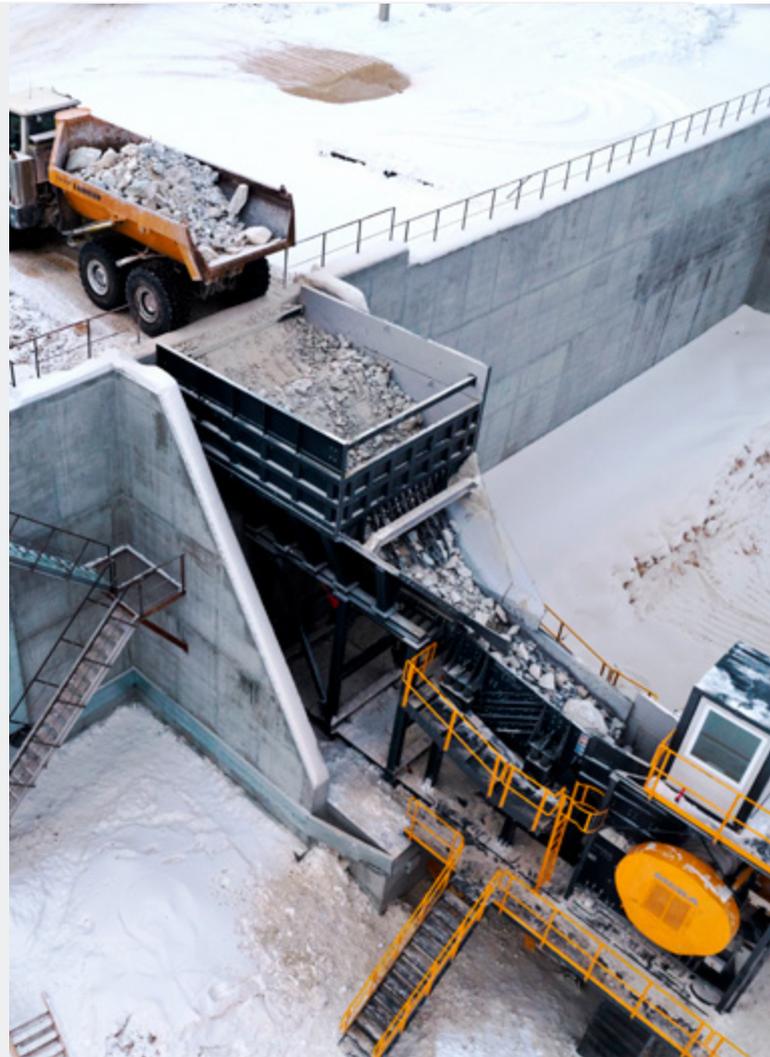
Vibration on MEKA grizzly scalpers is produced by vibrating motors which can be run at different speeds depending on the application.

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.

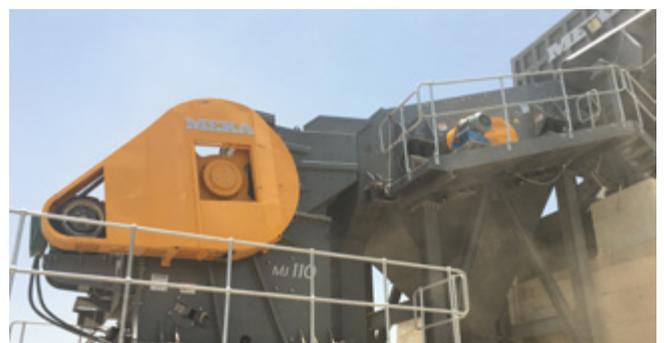


## SCREEN MEDIA

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

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

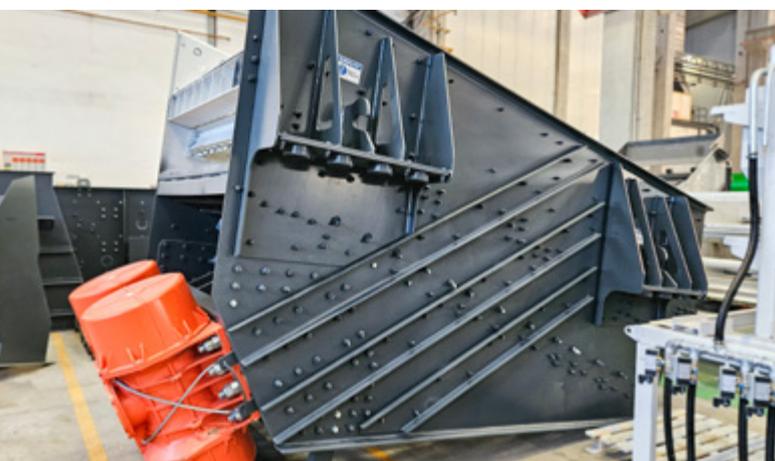
*\*At specified inclination and for material weighing 1.6 t/m<sup>3</sup> or 100 lbs/ft<sup>3</sup>. Capacity values are indicative only and depend not only on feeder size but also on feeder inclination, feed gradation, etc.*

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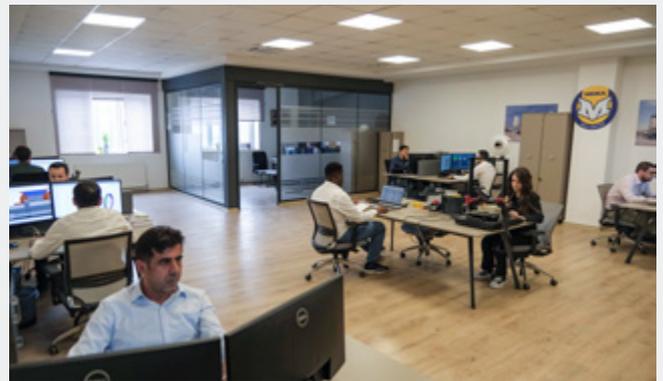
TRUSTED BRAND  
IN MORE THAN  
38 YEARS



# 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  
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