

MEKA

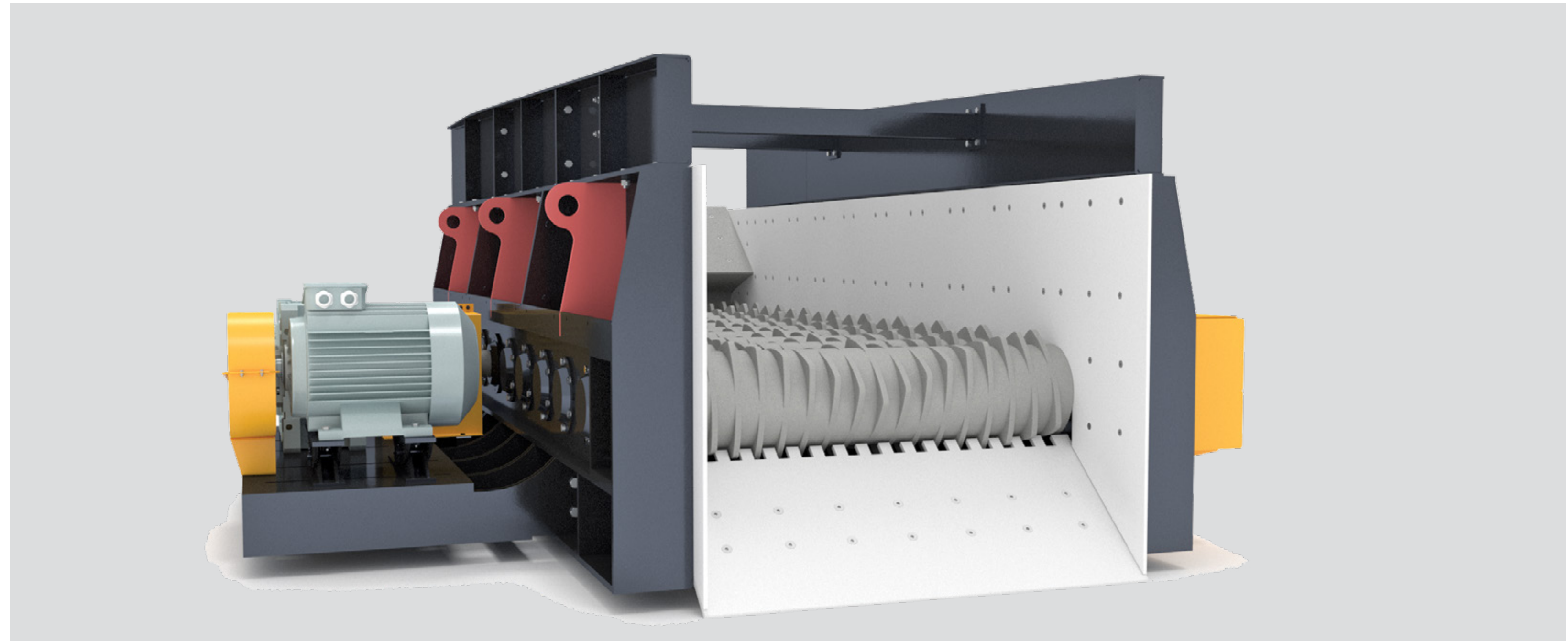
MWF SERIES

WOBBLER FEEDERS

COMBINED FEEDING AND
SEPARATING IN ANY WET
AND STICKY OPERATION

MEKA MWF wobbler feeder series has been installed globally over the years and has been proved to be a very successful piece of equipment allowing for the screening and cleaning of wet, muddy and sticky materials.

www.mekaglobal.com



Exclusively designed non clogging and self cleaning triangular bars, it is a sturdy machine suitable for heavy duty work. Recommended for pre-screening and cleaning of dirty material with a high content of clay and moisture.

Used before primary crushers, wobbler feeders excel where others fail in situations too wet and sticky for other feeders and scalpers. Thanks to the unique concept design and mode, they allow to achieve a sufficiently clean product; output products will be suitable for next crushing stage. As the transportation of the material is effected horizontally, the subsequent crusher is fed gently and constantly.

Furthermore the downstream crusher is relieved through a wobbler feeder which obviously results in reduced wear, a reduced energy consumption and at best in using a smaller crusher. In general wobbler feeders entail reduced energy and operational costs and/or an increased operational reliability.

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WOBBLER FEEDERS

HIGHLIGHTS



HOW WOBBLER FEEDERS WORK

The Wobbler Feeder consists of a frame, triangular bars and a chain drive system used to rotate the bars. 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 bars with a single or double strand chain that attaches to sprockets on each bar. This maintains the gap, or opening, between the bars at the same dimension throughout the bar rotation. The triangular 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.

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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 also feature an automatic lubrication system and bars are manufactured from cast wear metal, providing a much longer service life than plate style bars.

SAFE TO OPERATE

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

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TECHNICAL SPECIFICATIONS



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

>> At specified inclination and 1.6 t/m³. Capacities depend not only on feeder size but also on feeder inclination, feed gradation, etc.