MWF SERIES

WOBBLER FEEDERS

FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

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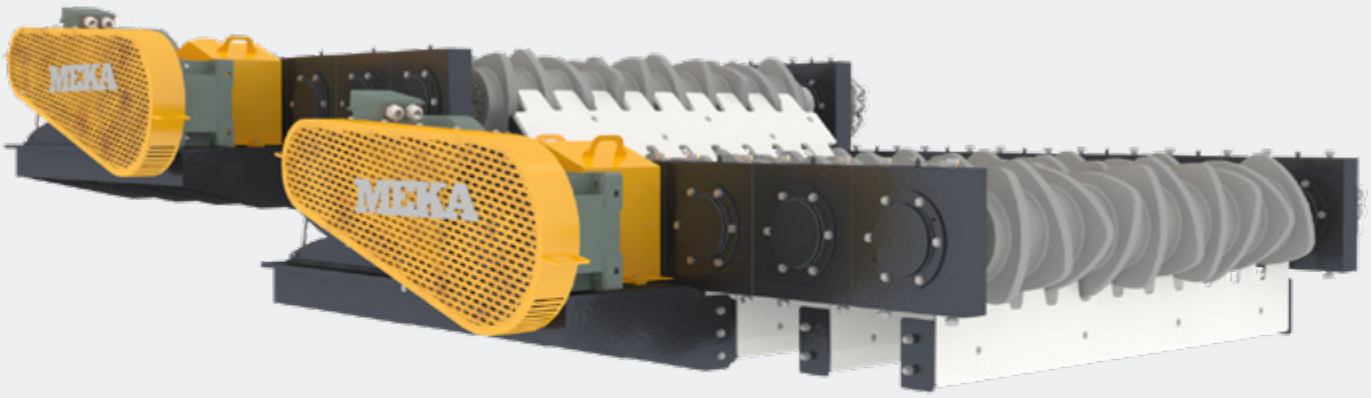
FEEDING AND SEPARATION OF WET AND STICKY MATERIAL

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

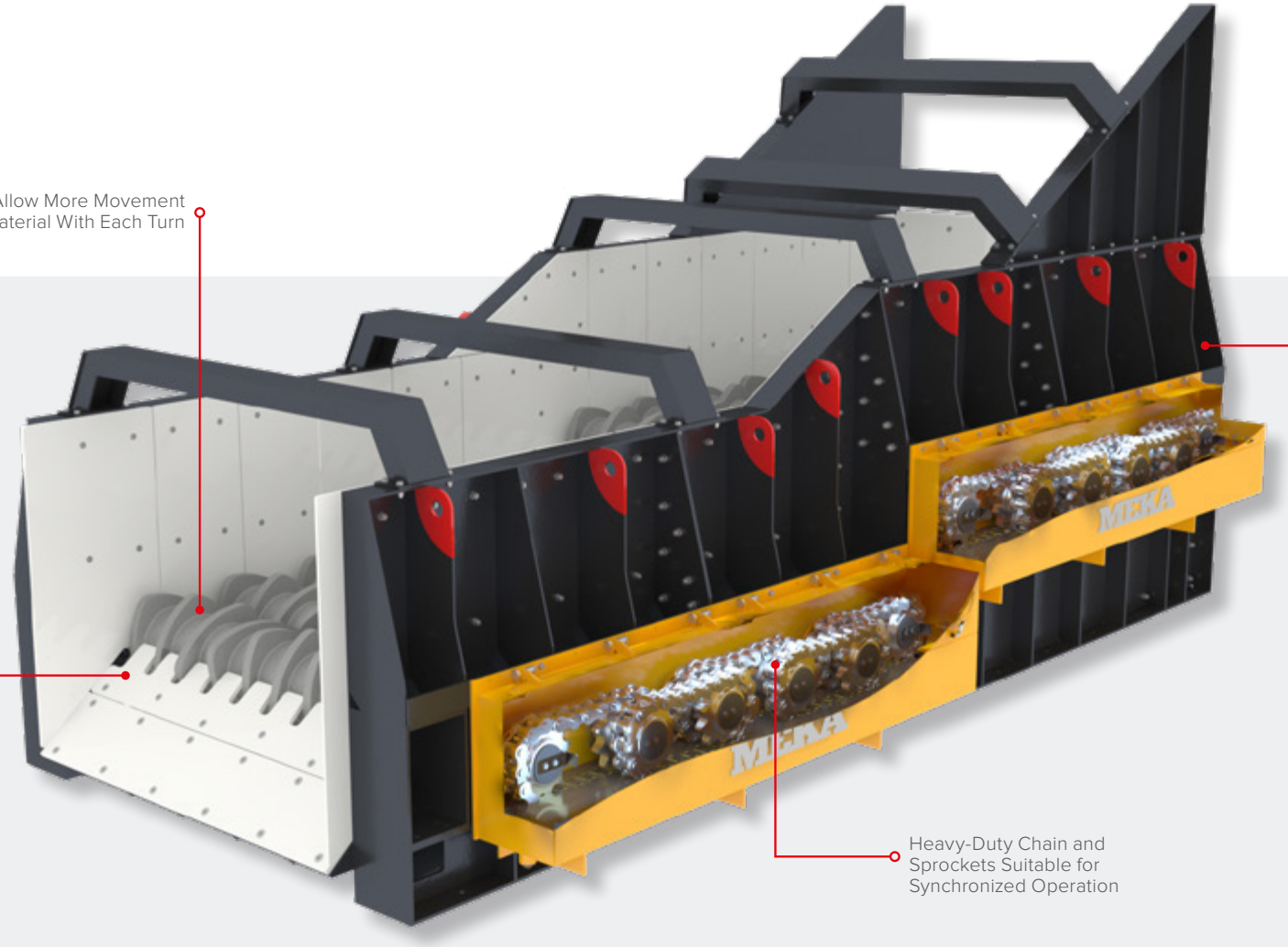
It is used in mining and aggregate plants to separate the fine material in the fed material before the primary crusher.

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.

MEKA
MWF SERIES
WOBBLER FEEDERS

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

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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.

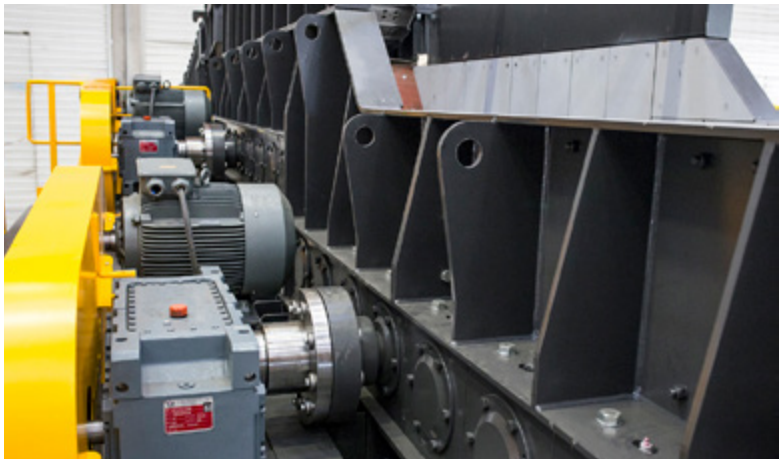
TECHNICAL SPECIFICATIONS

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.*

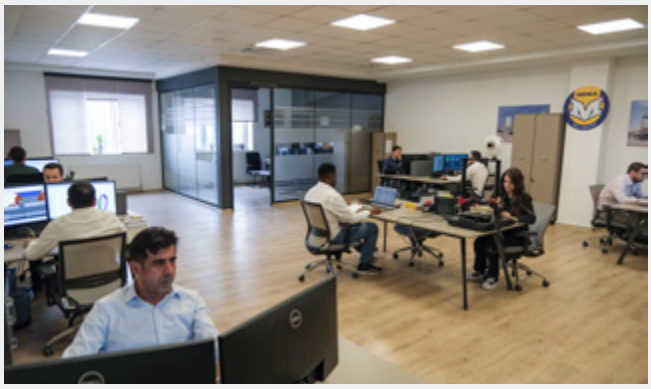
TRUSTED BRAND IN MORE THAN 38 YEARS



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

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