MEKA

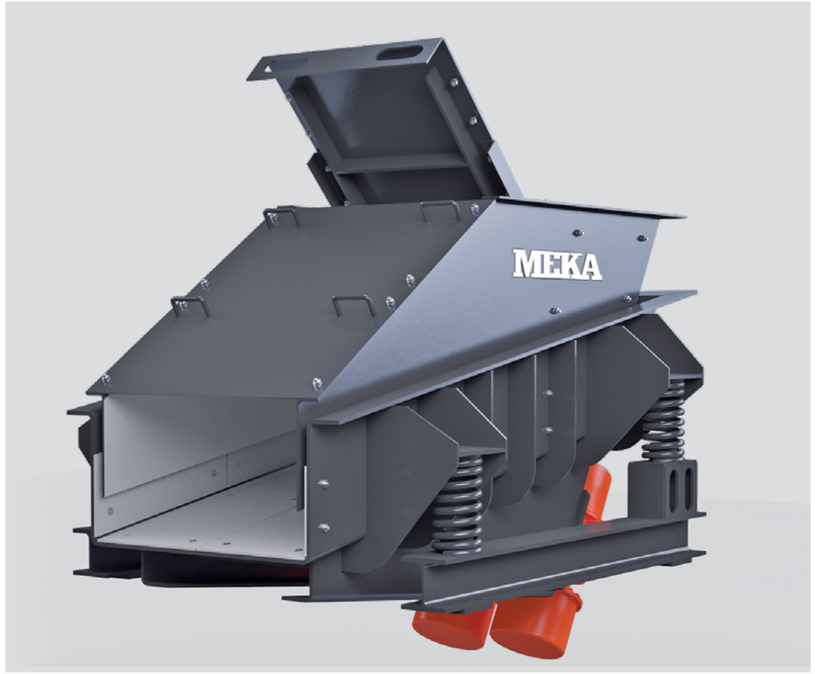
MPF SERIES

PAN FEEDERS

SOLUTIONS FOR FLEXIBLE CRUSHER FEEDING

MEKA MPF Pan Feeders are designed for high capacity feeding especially for secondary and tertiary duties. MPF feeders all work on the same principle, that being the extraction of materials from under crushers, bins, hoppers etc, or fed by a conveyor with a regulated flow to promote a steady supply to maximise production in the processing plant.

www.mekaglobal.com



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.

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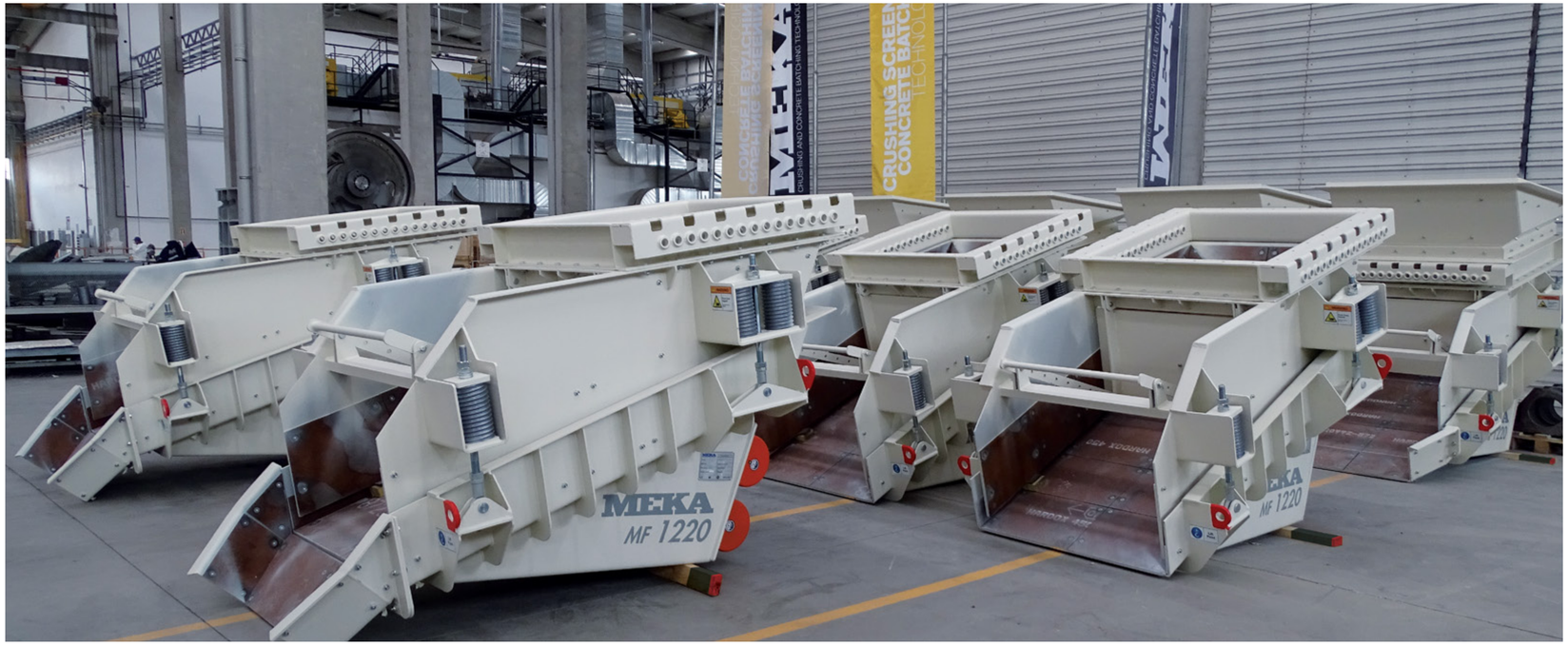
PRODUCT FEATURES



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 bins.

Prepared for simple dust encapsulation.

Adjustable inclination from 0-12 degrees to adapt to different materials and installation requirements.

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.

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 vibrators are lubricated for life which minimizes maintenance

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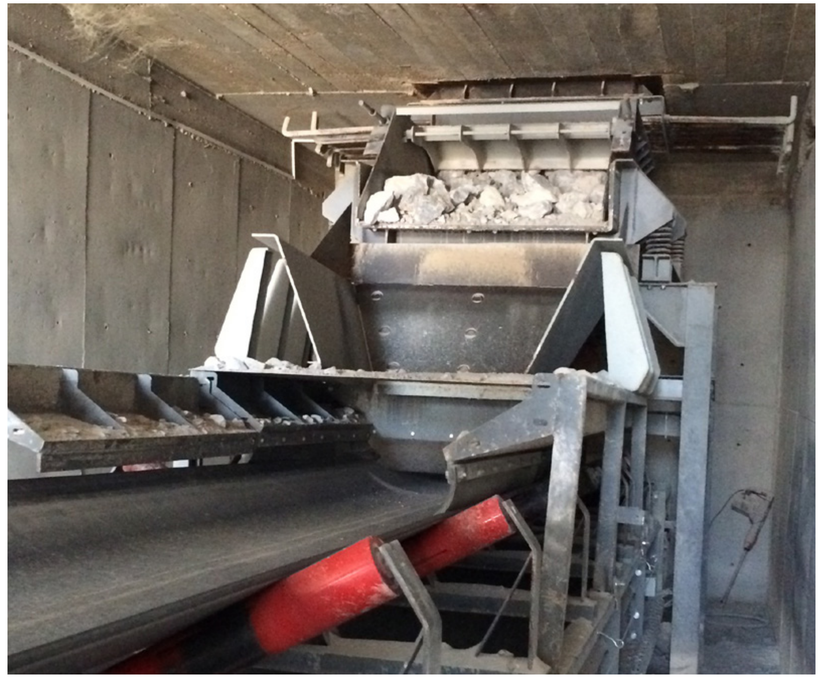
TECHNICAL SPECIFICATIONS



		MPF 6515	MPF 8517	MPF 1020	MPF 1220	MPF 1520
W x L	mm	650x1500	850x1700	1000x2000	1200x2000	1500x2000
	inchxfeet	26x5	33x6	40x7	47x7	59x7
Drive	kW	2x0.9	2x1.96	2x1.96	2x2.2	2x3.2
	HP	2x1.2	2x2.6	2x2.6	2x3	2x4.3
Capacity	mtph	100-150	150-200	200-250	250-350	300-420
	stph	110-165	165-220	220-275	275-385	330-460
Maximum Feed Size	mm	200	260	300	330	400
	inch	8	10	12	13	16

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