

MOBIREX
EVO²



Diverse applications, simple transportation, short setup times, high machine availability: the mobile impact crusher MOBIREX EVO2.





MOBIREX EVO2
MOBILE IMPACT CRUSHERS MR 110 ZI | MR 130 ZI

TECHNICAL INFORMATION

	MR 110 ZI EVO2	MR 130 ZI EVO2
Feed capacity up to approx. (US t/h)	386	496
Crusher inlet (W x H) (inch)	44" x 32"	52" x 36"
Feed size max. (inch)	36" x 35"	44" x 28"
Transport height approx. (inch)	11' 10"	12' 4"
Transport length without (with) screening unit approx. (inch)	55' 11" (69' 3")	60' 4" (71' 2")
Transport width without (with) screening unit approx. (inch)	9' 10" (9' 10")	9' 10" (10' 4")
Transport weight with screening unit approx. (lbs)	120,150	132,275
Transport weight screening unit approx. (lbs)	12,125	13,670

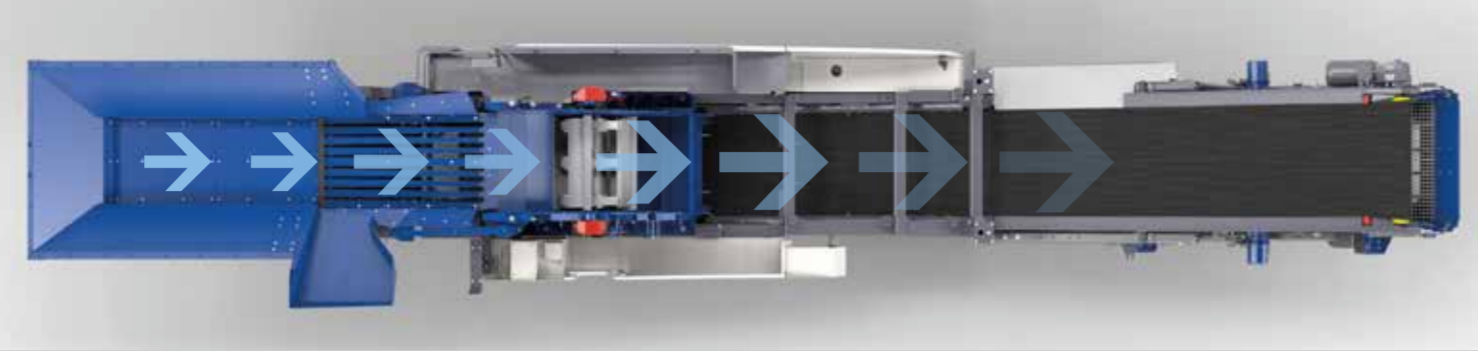
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01 Optimized material flow

- Each sectional component is wider than the last to allow material an unrestricted flow
- No narrowing of the material flow
- Higher performance with less fuel consumption
- Improved life time due to reduced wear
- No more material bridging



02 Feeding unit

- Hydraulically operated hopper folding and locking system, for shortest set-up times and operation safety
- Can be operated from the ground
- Additionally secured with mechanical locking elements (also for hopper extension)
- High wear-resistance due to side walls made of wear resistant steel
- Optional hopper extension



03 Primary screening

- Independent vibrating double-deck pre screen ensures effective screening of fines for optimal final grain quality
- Reduction of wear in the crusher area by diverting the medium grain directly to the discharge chute
- Simple and safe replacement of screen mesh in upper and lower deck
- Reduction of bridging due to levelling of the feed material before the crusher
- Side discharge conveyor can be fitted either on the left or right
- Comfortable discharge height of side discharge conveyor avoids damage by wheel loader



Independent double-deck pre screen

04 Continuous Feed System (CFS)

- Continuous crusher feed through the intelligent feed control CFS:
 - Sensors measure the load on toggle and rotor
 - Depending on the load, feeding chute and pre-screening frequencies are adapted automatically
 - When the load in the crushing chamber is rebalanced, feeding continues without delay



Continuous Feed System (CFS)

- The plant is quickly back at full performance
- Less load on the downstream components reduces wear
- Percentage of oversize grain is minimised

05 Crusher unit

- Optimized inlet geometry for improved entry of the material, thus increased throughput
- Reduced bridging in the crusher inlet by means of a hydraulic raising crusher inlet cover and upper impact toggle (controlled by radio remote control)
- Increased product quality due to C-shape rotor ledges for better impact effects over a longer period
- Fully hydraulic crusher gap adjustment via touch panel - also possible when rotor is running
- Effective overload protection with automated reset of gap setting of the impact toggles by sensor-controlled hydraulic cylinder



Crusher unit with optimised inlet geometry

06 Safety system

- Lock & Turn system for the safe and comfortable operation of the plant when changing rotor ledges, as well as when eliminating material clogging
- The key transfer safety system permits working only at certain areas of the crusher, while other areas are blocked



Lock & Turn safety system

- Connectible lock & turn device: Turn and block the rotor manually from the outside - with maximum safety
- Innovative rotor ledge clamping system enables simple and quick rotor ledge change

07 Drive

- Extremely efficient and high-performance diesel direct drive for lowest fuel consumption per ton end product
- Electric drives of chutes, screens and conveyors - low consumption, no risk of hydraulic leaks

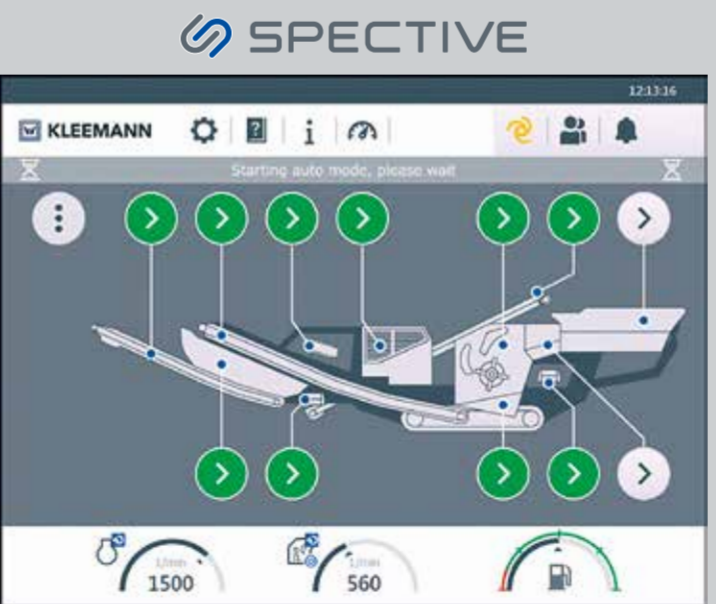


Crusher direct drive by means of fluid coupling

- High operational reliability thanks to fluid coupling
- Excellent service accessibility to all key components

08 Control system

- Simple operation via touch panel with menu-guided user interface SPECTIVE
- All components and functions can be controlled from the ground
- Status display of all components such as speed, temperature, pressure etc.



Control system SPECTIVE

- Fast error-tracking, display in full text format
- Protection of control unit by anti-vibration control cabinet with dust protection
- Additional flap in control cabinet provides easy access to control panel
- Radio remote control for controlling all key components such as vibrating conveyor, pre screen, crusher inlet cover, impact toggle, return conveyor and magnet

09 Final screening unit and Magnetic separator

- Final screening unit (optional):
 - Single-deck vibrating screen with extra large screening surface for effective screening, also for gradations smaller than 30 mm
 - Return conveyor can be swivelled out up to 100° for side discharge
 - Hopper integrated slide for oversize grain allows for high operational safety even with inhomogeneous material



Vibrating screen with extra large screening surface

- Magnetic separator (optional):
 - High-performance permanent or electro (option) magnet for maximum output
 - Raise and lower the magnet parallel to the main conveyor; operation via remote control

10 Transportability

- Increased ground clearance below final screening unit and thus better transportability with different low-bed loaders



- Simple dismantling of the final screening unit and simplified transport thanks to compact container dimensions
- Final screening unit located on skids for fast loading by hook-lift system
- Transport-friendly weight

