

1 Large **feeding unit**, hydraulically foldable and self-locking

3 Continuous crusher feed thanks to **CFS (Continuous Feed System)**

4 **Crusher unit** with innovative C-shape rotor ledges for top product quality

5 Efficient and powerful **diesel direct-drive**

7 High-performance **secondary screening unit** with extra-large screening surface

2 Effective **prescreening** thanks to independent double-deck prescreen

6 Simple and intuitive **control concept** SPECTIVE

A **Optimised material flow** as a result of extending system widths

B **Transport:** simple loading thanks to increased ground clearance

C **Accessibility and safety:** best possible access to all operation-related components

D **Environment:** solutions for environmentally friendly operation

**MOBIREX**  
**EVO<sup>2</sup>**



Wide variety of applications, simple transportation, short set-up times, high machine availability: the MOBIREX EVO2 mobile impact crusher.





# MOBIREX EVO

MOBIREX  
EVO2

MOBILE IMPACT CRUSHERS MR 110 Z | 130 Z EVO2

## 01 Feeding unit

- Generously sized basic hopper for simple and fast loading
- Hydraulically foldable, self-locking without additional tasks (also with hopper extension<sup>+</sup>) - for fast and safe initial operation



## 02 Prescreening

- Independently vibrating double-deck prescreen guarantees effective screening of fine material for optimal final product quality
- Reduction in wear by redirecting medium-sized grain through large crusher bypass device
- Discharge of fines via the side discharge conveyor; conveyor can be installed flexibly on right and left, rigidly, or hydraulically foldable



Independently vibrating double-deck prescreen

## 03 Continuous Feed System (CFS)

- Continuous crusher load through the intelligent CFS feed control:
  - Sensors measure the load at the rocker and rotor as well as engine utilisation
  - Vibrating feeder and prescreen controlled according to the load status
  - When the crushing chamber is free again after overloading, material transport is continued without a delay



Continuous Feed System (CFS)

- The plant can be run again more quickly at full output
- Less burden is placed on the downstream components, wear is also reduced
- Share of oversize grain is minimised

## 04 Crusher unit

- Optimal inlet geometry for improved feed behaviour of material, and therefore increased throughput
- Fewer blockages in crusher inlet area through crusher inlet cover which can be raised hydraulically and upper impact toggle (controlled by radio)
- Increased product quality thanks to C-shape rotor ledges for better impact over a long period
- Fully hydraulic gap setting via touch panel - also possible while rotor is running
- Effective overload protection with automatic reset of the impact toggles by sensor-controlled hydraulic cylinder



Crusher unit with optimised inlet geometry

## 05 Drive

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



Crusher direct drive via fluid coupling

- High operating safety through fluid coupling
- Easy service accessibility to all important components

## 06 Control system

- All components and functions can be controlled easily; clearly arranged status display, e.g. speed, temperature, pressure, etc.



Simple and intuitive SPECTIVE control concept

- Simple fault diagnosis with description and help on correction
- WITOS Fleet View telematic system for an efficient fleet and service management - with information on the operating status of the machines independently of location and time
- Quick Track<sup>+</sup> for fast and simple shifting of the machine to operating mode; operation takes place conveniently via the remote control

## 07 Secondary screening unit and magnetic separator

- Secondary screening unit<sup>+</sup>
- Single deck vibrating screen with extra-large screening surface for effective screening, also for small grain sizes less than 20 mm
  - Return conveyor for closed material circuit; 100° swivel-mounted for side discharge
  - Transfer chute integrated in hopper for higher operational safety even with inhomogeneous material
  - The wind sifter<sup>+</sup> guarantees increased material quality, removal of contamination (e.g. wood and plastic), air flow setting according to the material used

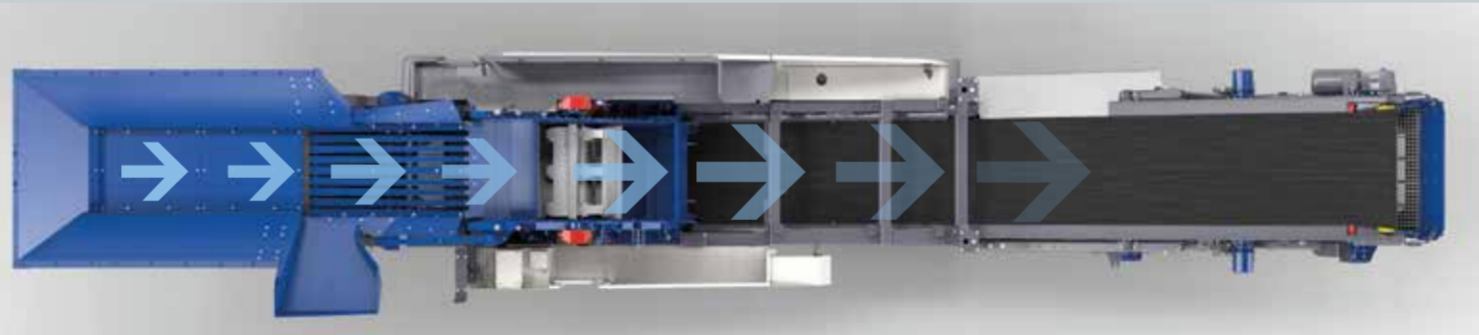


Vibrating screen with extra large screening surface

- Magnetic separator<sup>+</sup>
- High-performance electric or permanent magnet for maximum output
  - Stepless raising and lowering parallel to crusher discharge conveyor; radio control is also possible

## A Optimum material flow

- Extension of system widths across all components in direction of material flow
- Material flow is not narrowed
- Higher total throughput with lower fuel consumption
- Longer service life thanks to reduced wear
- Prevention of material congestion



## B Transport

- Increased ground clearance in the area of the secondary screening unit and therefore better transportability with different low-bed loaders
- Easy removal of the secondary screen and convenient transport due to compact container dimensions (width < 3m)
- Classifying screen mounted on skids for easy loading using hook-lift system
- Weight suitable for easy transportation



## C Accessibility and safety

- Accessibility:
- Quick and comfortable servicing thanks to ease of physical and visual access to all components
  - Spray system and LED lighting included in basic plant; premium lighting<sup>+</sup>
- Lock & Turn safety system
- The key transfer safety allows work in certain areas of the crusher only if they are mechanically secured
  - Lock: the rotor Lock & Turn safety system secures the rotor and therefore guarantees safe maintenance
  - Turn: simple positioning of the rotor by the turning device



Lock & Turn safety system

## D Environment

- ENVIRONMENTALLY SUSTAINABLE SOLUTIONS for noise and dust reduction
- Stricter requirements for the reduction of noise and dust - especially in urban areas
  - Solutions for NOISE REDUCTION<sup>+</sup>: insulation of the noise sources by an ergonomic power pack housing, reduction of noise by 6 decibels (3 decibels are the equivalent of a reduction by 50% for the human ear)
  - Solutions for DUST CONTAINMENT: effective spray system at different material transfer points of the plant, e.g. crusher inlet, crusher discharge conveyor, side discharge conveyor, secondary screening unit



- Lower fuel consumption compared to hydraulic drives thanks to diesel direct-drive

TECHNICAL INFORMATION

	MR 110 Z EVO2	MR 130 Z EVO2
Feed capacity up to approx. (t/h)	350	450
Crusher inlet (W x H) (mm)	1,100 x 800	1,300 x 900
Feed size max. (mm)	880 x 550	1,040 x 650
Transport height without options (mm)	3,600	3,700
Transport length without options (mm)	17,340	18,385
Transport width without options (mm)	3,000	3,000
Transport length with screening unit (mm)	21,110	21,620
Transport width with screening unit (mm)	3,050	3,150 - 3,400
Transport weight of screening unit (kg)	6,100	6,500
Transport weight of basic plant - max. configuration (kg)	44,500 - 58,500	49,500 - 64,500

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<sup>+</sup>Option