MOBIREX MR 110 Z | MR 130 Z EVO2

1. Large feeding unit, hydraulically foldable and self-locking
2. Effective prescreening thanks to independent double-deck prescreen
3. Continuously 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
6. Simple and intuitive control concept SPECTIVE
7. High-performance secondary screening unit with extra-large screening surface
8. Optimised material flow as a result of extending system widths
9. Accessibility and safety: best possible access to all operation-related components
10. Transport: simple loading thanks to increased ground clearance
11. Environment: solutions for environmentally friendly operation
12. Wide variety of applications, simple transportation, short set-up times, high machine availability: the MOBIREX EVO2 mobile impact crusher.
**MOBIREX EVO2**

**01 Feeding unit**
- Generously sized basic hopper for simple and fast loading
- Hydraulically foldable, self-locking without additional tasks (also with hopper extension) – for fast and safe initial operation.

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

**03 Continuous Feed System (CFS)**
- Optimal feed geometry for improved feed behavior of material, and therefore increased throughput
- Power 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

**04 Crusher unit**
- Optimized inlet geometry for improved feed behavior of material, and therefore increased throughput
- Power 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

**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

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

**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

**Environmentally sustainable solutions**
- Solutions for NOISE REDUCTION – insulation of the noise sources by an ergonomic power pack housing, reduction of noise by 5-6 decibels (15 decibels are the equivalent of a reduction by 50% for the human ear)

**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

**07 Secondary screening unit and magnetic separator**
- Secondary screening unit
  - 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 after** guarantees increased material quality, removal of contamination (e.g. wood and plastics), air flow setting according to the material used

**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 conveyor transport due to compact container dimensions (width < 3m)
- Classifying screen mounted on slits for easy loading using hook-lift system
- Weight suitable for easy transportation

**C Accessibility and safety**
- Accessible:
  - Easy service accessibility to all important components and functions
  - High-performance electric drives of chutes, screens, and conveyors – low consumption, no risk of hydraulic leaks

**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

**Environment**
- LOWER FUEL CONSUMPTION compared to hydraulic drives thanks to diesel direct-drive
- Medium-sized grain less than 20 mm
- Screen classifier mounted on skids for easy transportation
- Magnets for magnetic separation

**D Environment**
- Environmentally sustainable solutions for noise and dust reduction
- Simple fault diagnosis with description and help on connection
- WECS 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: for fast and simple shifting of the machine to operating mode, operation takes place conveniently via the remote control

**SPECTIVE**
- Simple and intuitive SPECTIVE control concept
- Low consumption, no risk of hydraulic leaks

**PRODUCT FEATURES**
- Easy to transport
- Simple and intuitive SPECTIVE control concept
- High operating safety through fluid coupling
- Easy service accessibility to all important components
- Environmentally sustainable solutions for noise and dust reduction
- Simple fault diagnosis with description and help on connection
- WECS 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: for fast and simple shifting of the machine to operating mode, operation takes place conveniently via the remote control

**MOBIREX EVO2**
- Germany
- Manfred-Wörner-Str. 160, 73037 Göppingen
- © KLEEMANN GmbH
- Subject to changes at any time. Version 2019-1