Optimizer material flow concept designed by increasing component widths.

Continuous crusher feed through CFS.

Crusher unit with innovative C-shape rotor ledges for excellent product quality.

Lock & Turn safety system for safe change-over of rotor ledges.

Efficient and powerful diesel direct drive.

Highly productive final screening unit with extra large screening surface.

Simple operation thanks to menu-guided touch panel.

Effective primary screening thanks to independent double-deck pre screen.

Easy transportation thanks to increased ground clearance.

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

**04 | Continuous Feed System (CFS)**
- Continuous crusher feed through the intelligent feed control CFS
  1. Sensors measure the load on toggle and rotor
  2. Depending on the load, feeding chute and pre-screening frequencies are adapted automatically
  3. When the load in the crushing chamber is rebalanced, feeding continues without delay

**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 rising crusher inlet cover and improved impact toggle (controlled by radio remote control)
- Increased product quality due to C-shape rotor lides 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

**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
- 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 and product
- Electric drives of chutes, screens and conveyors - low consumption, no risk of hydraulic leaks
- Electric drives of chutes, screens and conveyors - low consumption, no risk of hydraulic leaks
- 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.
- Status display of all components such as speed, temperature, pressure etc.

**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 feed control CFS
  - Magnetic separator
  - High-performance permanent or electro (option) magnet for maximum output
  - Magnetic separator (optional)
  - High-performance permanent or electro (option) magnet for maximum output

**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 design
- Final screening unit located on slides for fast loading by hook-lift system
- Transport-friendly weight

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**MOBILEX E2O**

**WIRTGEN AMERICA**

**MOBILE IMPACT CRUSHERS | MR 110 Zi | MR 130 Zi**

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