



MOBICAT EVO



The mobile jaw crushers MOBICAT EVO:

- ▣ Simple transportation
- ▣ Quick setup
- ▣ High productivity



01 Feeding unit

- Integrated hopper walls for short set-up times and convenient transport



Integrated hopper walls

- Optional hopper extension makes feeding by means of wheel loader possible
- Hydraulically foldable and lockable with additional mechanical locking
- Can be operated from the ground



Hopper extension (optional)

02 Foldable side conveyors

- Short side discharge conveyor for extremely short set-up times (option)
- Simple and safe transport position



Short side discharge conveyor

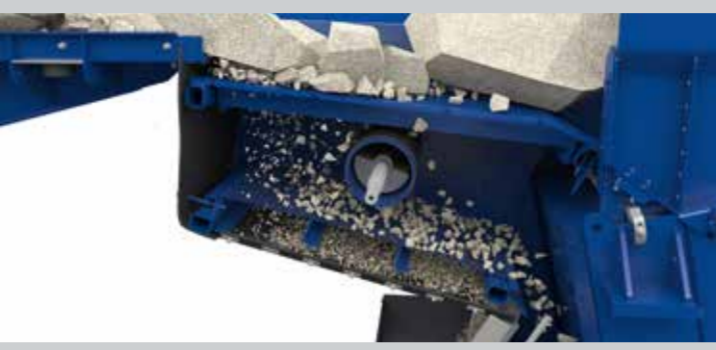
- Long side discharge conveyor for high stockpile volume (option)
- Folded simply and quickly
- Remains on machine for transport



Long side discharge conveyor

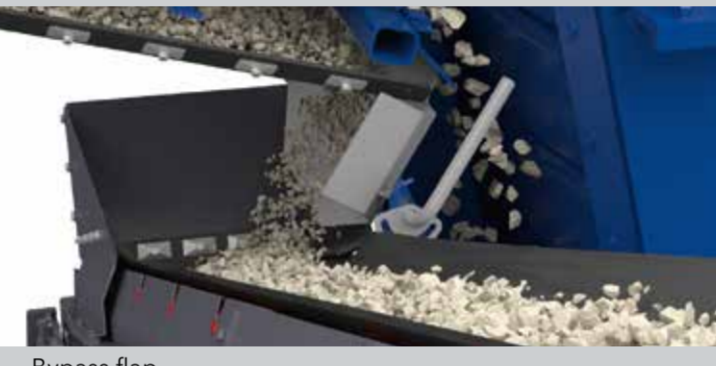
03 Primary screening

- Independent vibrating double-deck pre screen ensures effective screening of the fines in the feed material (Z-Version)
- R-Version with longest vibrating feeder with integrated slotted grizzly in its class
- Wear reduction through diversion of the medium grain through ample crusher bypass
- Increase in end product quality through discharge of fines via the side discharge conveyor



Independent double-deck pre screen

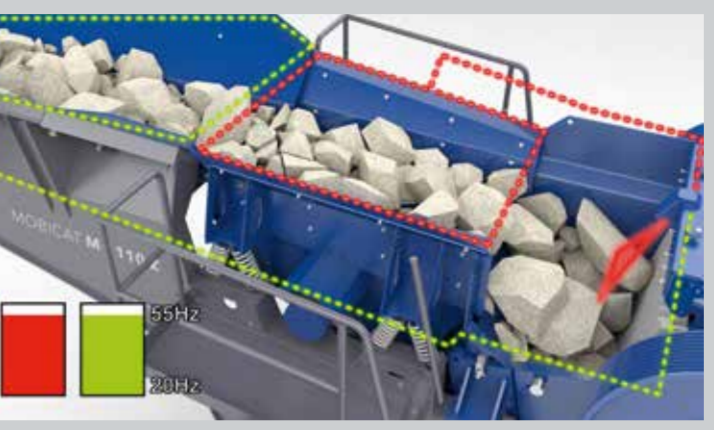
- Bypass flap for simple diversion of the material flow - blind deck no longer necessary



Bypass flap

04 Continuous Feed System (CFS)

- Continuous crusher feed through the innovative feed control CFS:
 - Ultrasonic probe above the crushing jaw measures crusher fill level
 - Vibrating feeder and pre-screening frequencies are slowed down - not completely stopped!
 - When the crushing jaw is free again, material conveying is continued without a delay



Continuous Feed System (CFS)

- Simple linkage option with other KLEEMANN plants
- Intelligent material flow control by means of line coupling and CFS

05 New crusher unit

- Flattened transition to the crushing chamber allows the material to be tipped into the crushing chamber without a baffle
- Reduction in blockages through highly raised crusher jaw - material cannot jam
- Securing elements are provided behind the crushing jaw outside the wear area



Flattened transition, highly raised crusher jaw

- Deflector plate prevents piercing of iron rods in the conveyor belt
- The large material tunnel prevents blockages and can be easily accessed from the side



Deflector Plate and material tunnel

06 Crusher gap adjustment

- Operator-friendly gap adjustment via touch panel
- Fully hydraulic adjustment through wedge system



Hydraulic gap adjustment



Menu item gap adjustment

07 Crusher unblocking system

- Innovative reversible unblocking drive for loosening jammed material
- Permits start-up with full crushing chamber - in normal and reverse direction
- Considerably minimises downtime in case of obstructions in the crushing jaw



Crusher unblocking system

08 Drive

- Extremely efficient and powerful crusher direct drive, very favourable fuel consumption values
- Fluid coupling guarantees high operational reliability
- On-board power generator for driving the pre screen, chutes and conveyor belts
- Independent drive system



Crusher direct drive by means of fluid coupling

09 Control system

- Simplified and user-friendly control system via touch panel and illuminated pushbuttons
- Menu-guided operation with running text fault display
- All components and functions can be controlled
- Status display of all components



Control system start screen

10 Magnetic separator and crusher discharge conveyor

- Magnetic separator
 - Permanent magnet or electromagnetic (option) separator
 - Powerful electro magnet provides more space between belt and magnet
 - Raisable and lowerable hydraulically by remote control for loosening blockages



Magnetic separator

- Crusher discharge conveyor
 - Wide, robust crusher discharge conveyor
 - Option of extended conveyor with a discharge height of approx. 13' 1"
 - Foldable extended conveyor for simple transport



Crusher discharge conveyor

TECHNICAL INFORMATION

	MC 100 Ri/EVO	MC 110 Ri/EVO	MC 110 Zi/EVO
Feed capacity up to approx. US t/h	243	364	364
Crusher inlet width x depth (inch)	37" x 22"	44" x 28"	44" x 28"
Feed size max. (inch)	36" x 20"	41" x 26"	41" x 26"
Transport height approx. (inch)	10' 6"	11' 10"	11' 10"
Transport length approx. (inch)	42' 6"	48' 11"	48' 11"
Transport width max. (inch)	9' 10"	9' 10"	9' 10"
Transport weight approx. (lbs)	71,300	90,400	94,350

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The innovative drive concept with a jaw crusher direct drive and electric drives for the other components, such as the pre screen, the vibrating chute and the conveyor belts, offers enormous power reserves with optimum consumption values at the same time.

