

MOBICAT MC 110(i) EVO2



A focus on cost-effectiveness



The cost-effective use of crushing and screening plants hinges on many factors. Whether costs per ton, efficient operation or optimal construction site logistics – the MOBICAT MC 110(i) EVO2 jaw crusher can really score points when it comes to cost-effectiveness.

With operation in the foreground



As crushing plants become more and more demanding in terms of their function, we make operation of the machine simply easier..

With the **SPECTIVE** operating concept, the full potential of the machines can be used simply and intuitively.

SPECTIVE CONNECT is the logical extension, because it brings the crusher's human interface into the excavator to the operator. In addition to relevant data such as speed, consumption values and fill levels, error messages

are displayed. This way, work does not have to be interrupted for the operator to view the status. This is safe and efficient.

Additionally, important process and machine data can be summarised in a report and conveniently transmitted. This allows you to exploit the full potential and increase yield – through knowledge to an all-new level of performance.

An eye on sustainability



Sustainable solutions ensure real future security.

The MC 110(i) EVO2 stands out with its integrated drive concept with efficient **direct diesel drive**. When operated in **ECO Mode**, it also reduces fuel consumption and wear and tear when idling.

The **power and load-dependent fan** ensures a low-noise and even more economical operation.

Optimal **noise reduction** also makes the system very suitable for urban applications.

> TECHNICAL HIGHLIGHTS

MOBICAT MC 110(i) EVO2



1 Feeding unit

- > Feeding unit can be folded and locked via radio remote control, without any extra work
- > Hopper filling aid⁺ and hopper extension⁺ (7.5 m³) enables a feeding width of up to 3.6 m at the rear

2 Prescreen

- > Independent vibrating double-deck prescreen ensures effective screening of the fines in the feed material
- > A bypass flap integrated into the prescreen diverts the material stream and reduces blockages
- > Side discharge conveyor⁺ can be used on both sides

3 Continuous Feed System CFS

- > Continuous crusher utilisation thanks to optimum feed control – for up to 10% more daily output
- > Vibrating feeder and prescreen automatically throttle or increase the conveying speed depending on the filling level of the crusher

4 Crusher unit

- > Extra long crusher jaw: for optimum material intake into the crushing chamber
- > Fully hydraulic gap setting: over the complete adjustment range, conveniently via touch panel or radio remote control
- > Crusher unblocking system⁺: Crusher can be reversed to loosen jammed material and to ensure a powerful start-up even if the crusher is filled
- > Deflector plate: at the crusher outlet to protect the discharge belt, adjustable in two positions, with replaceable wear elements⁺

5 Control and overload system

Overload system

- With short-term overloads at selected points (e.g. metal in the feed material)
- Gap opening over adjusting range:
 - > Crusher detects overload automatically and opens crushing gap – to prevent damage to crusher
- Active overload system⁺:
 - > Even faster response to overload to prevent damage to the crusher
 - > Automatic repositioning of the gap – for uniform product quality

Load reduction system

- To avoid consequential damage during prolonged operation under exceptionally high forces
 - > Feed quantity is adjusted and therefore the forces on housing and rocker are reduced
 - > When the overload is reduced, the system adapts to the highest possible output



6 Drive

- > Efficient and powerful crusher direct drive with low fuel consumption, conveyors are driven electrically
- > Output-dependent fan
- > Heat package⁺ (-15 to +50 °C) or cold package⁺ (-25 to +40 °C)

7 SPECTIVE control system

- > **SPECTIVE touch panel**: with menu-guided operation, visualisation and support; status display of all components such as speed, temperature, etc. rapid fault location and diagnostics
- > **SPECTIVE CONNECT⁺**: all important information directly on the smartphone
- > **SPECTIVE radio remote control**: for operating all important components
- > **SPECTIVE radio remote control, small⁺**: the most important operating functions conveniently combined, minimum space requirements in the operator cabin
- > **Camera system⁺**: for convenient monitoring of crusher and hopper, remote monitor in the excavator

SPECTIVE

- > **Telematics system WITOS FleetView**: efficient fleet and service management with information on the operating status of the machines independently of location and time – alternatively, with integration in SPECTIVE CONNECT
- > **Quick Track⁺**: fast and simple relocation of the machine; convenient operation via radio remote control
- > **Line couplig⁺**: Process coupling for control of the production output; safety coupling for safe interlinking of plants in the line train

> Accessibility and safety

- > Quick and convenient service possible due to very good accessibility to all components
- > Simple refuelling from the ground, filling pump⁺ available
- > Spray system and LED lighting included in basic plant; Premium lighting⁺ for expanded illumination of work areas
- > Central drain point for fluids for ergonomic maintenance

> Transport

- > High flexibility for changing work locations, short set-up times
- > Compact design – for applications in tight construction sites (e.g. town centres)
- > Easy transport thanks to hydraulic functions (e.g. side discharge conveyor, crusher discharge conveyor,...) and a transport height of 3,400 mm