

A WIRTGEN GROUP COMPANY



KLEEMANN



MC 110 EVO2

MOBILE JAW CRUSHER MOBICAT



MOBICAT MC 110 EVO2

The cost-effective use of crushing and screening plants hinges on many factors. Whether costs per ton, efficient operation or optimal building site logistics - the MOBICAT MC 110 EVO2 jaw crusher excels when it comes to cost-effectiveness.



A focus on cost-effectiveness



Operability in the foreground



An eye on efficiency



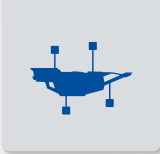
MOBICAT MC 110 EVO2



- 1 Feeding unit
- 2 Prescreen
- 3 Continuous Feed System CFS

- 4 Crusher unit
- 5 Overload systems
- 6 Drive

- 7 Digital solutions
- > Handling



1 Feeding unit

- > Feeding unit can be folded and locked via radio, no additional tasks required
- > Hopper filling aid⁺ and hopper extension⁺ (7.5 m³) enables a rear-side loading width of up to 3.6 m



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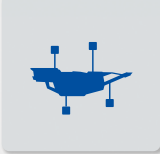
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2 Prescreen

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



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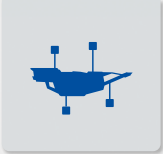
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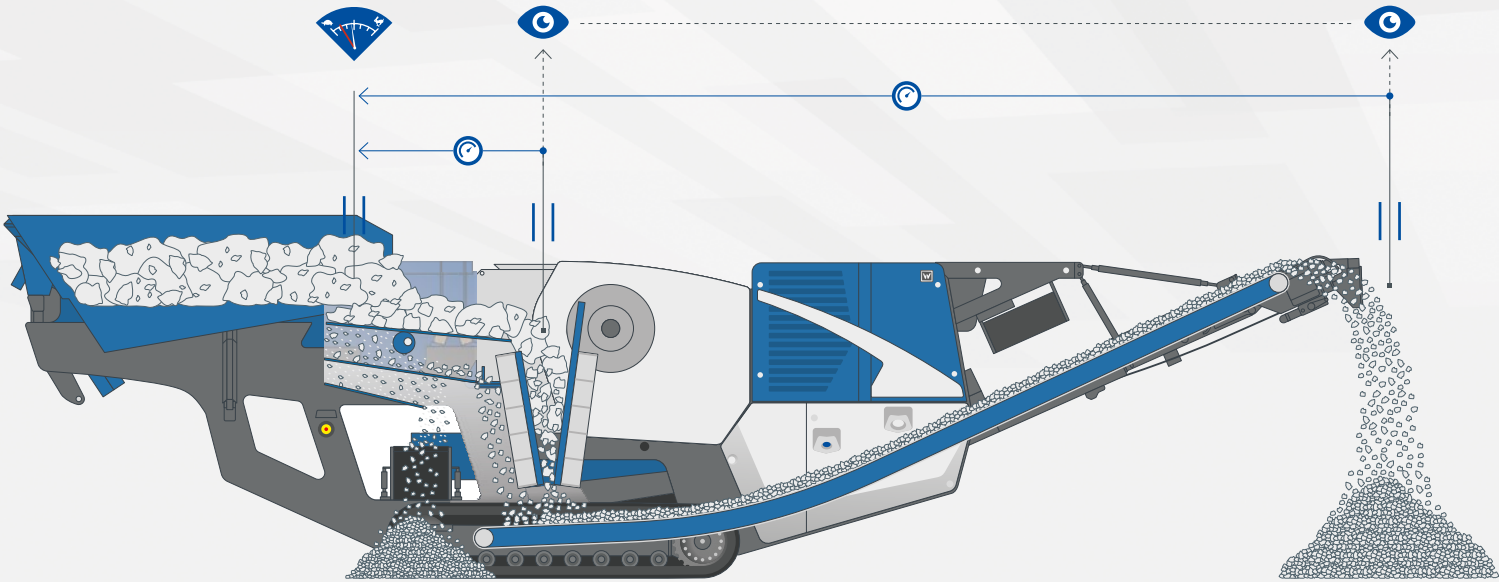
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3 Continuous Feed System CFS

- > Continuous crusher utilisation thanks to optimum feed control - for a daily output that is up to 10% higher
- > Vibrating feeder and prescreen throttle increase the conveying speed automatically depending on the crusher's fill level



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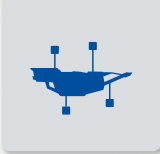
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4 Crusher unit

- > Extra-long crusher jaw: for optimum material intake into the crushing chamber
- > Fully hydraulic gap-setting: over the complete adjustment range, convenient via touch panel or radio
- > Crusher unblocking system⁺: crusher reversible for loosening blocked material and powerful starting even when the crusher is full
- > Deflector plate: at the crusher outlet to protect the discharge conveyor, adjustable in two positions, with replaceable wear elements⁺



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5 Overload systems

Overload system

With short-term overload at selected points
(e.g. metal in the feed material)

Gap opening via adjustment range:

- > crusher detects overload automatically and opens the crushing gap - to prevent damage to the crusher

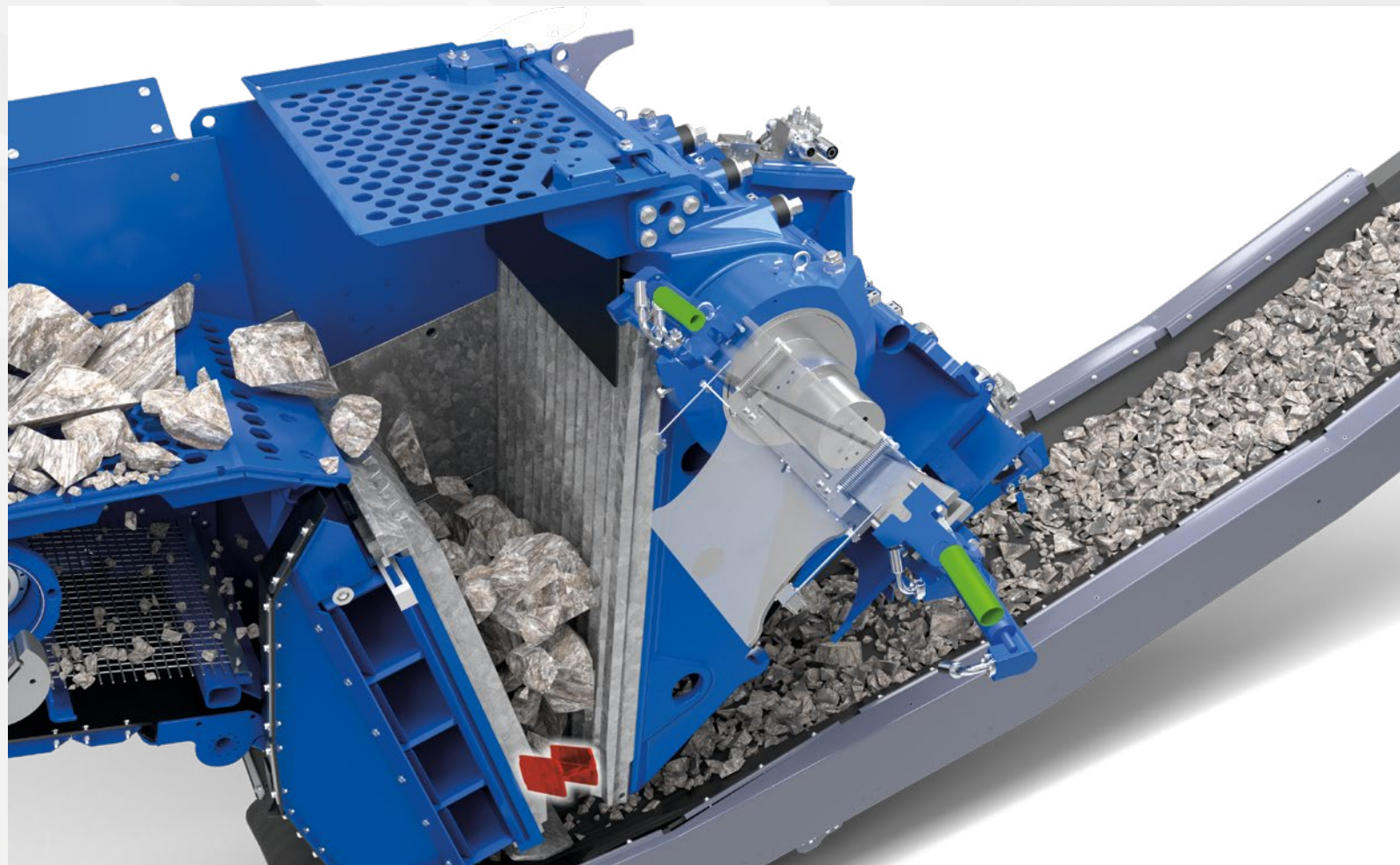
Active overload system⁺:

- > even faster response to overload for preventing damage to the crusher
- > Automatic repositioning of the crushing gap - for constant product quality

Load reduction system

For preventing consequential damage during long periods of operation under extraordinarily 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



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6 Drive

- > Efficient, powerful D-DRIVE crusher direct drive with low fuel consumption, conveyors are driven electrically
- > Load-dependent fan for lower noise emissions and optimised consumption
- > Heat package⁺ (-15 to +50 °C) or cold package⁺ (-25 to +40 °C)



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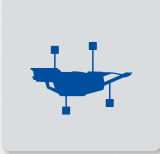
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7 Digital solutions

- > **SPECTIVE touch panel:** with menu-guided operation, visualisation and support; status display of all components such as speed, temperature, etc., rapid fault localisation and diagnostics
- > **SPECTIVE CONNECT⁺:** for displaying all important information directly on the smartphone
- > **Smart Job Configurator:** configuration tool for simple determination of the optimal machine settings
- > **SPECTIVE radio remote control:** for operation of all important components
- > **SPECTIVE radio remote control, small⁺:** the most important operating functions conveniently combined, minimum space requirements in the operator cabin
- > **John Deere Operations Center™:** platform for digital solutions to optimise processes, machines and services – and to simplify maintenance planning
- > **Camera system⁺:** for convenient monitoring of crusher and hopper, remote monitor in the excavator also available with radio extension, additional connection to SPECTIVE CONNECT
- > **Quick Track⁺:** rapid and simple relocation of the machine; convenient operation via radio remote control
- > **Line coupling⁺:** process coupling for controlling the production output; safety coupling for reliable interlinking of the plants in the plant train
- > **Belt scale⁺:** determination of the production data for all relevant conveyors, WPT Crushing for worldwide live recording of performance data and construction site progress in the John Deere Operations Center™



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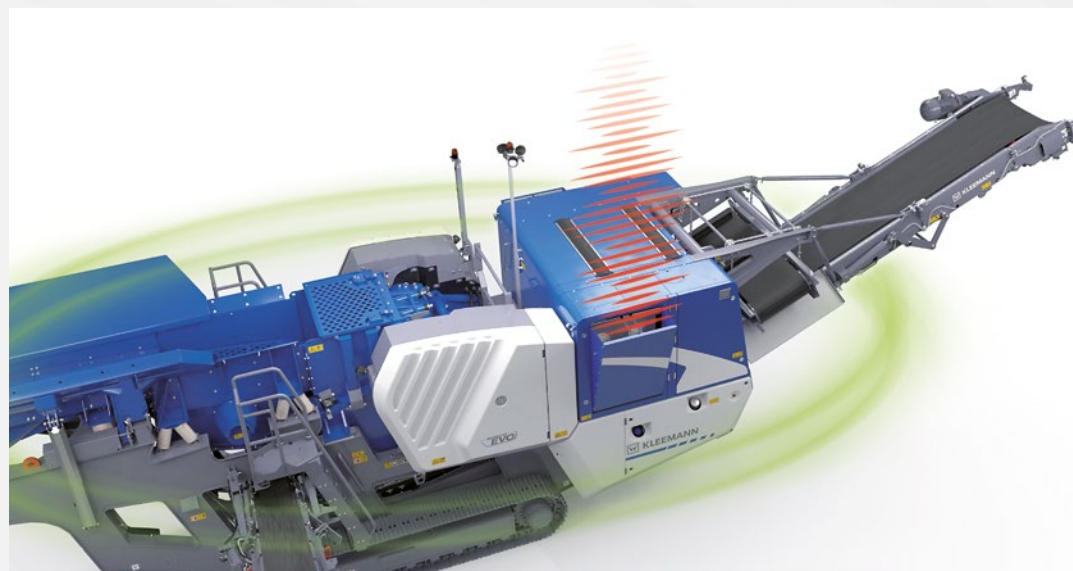


> Safety and ergonomics

- > Ease of physical and visual access to all components enables fast, convenient servicing
- > Simple refuelling from the ground, refuelling pump⁺ available
- > Spray system and LED lighting included in the basic plant; premium lighting⁺ for extended illumination of working areas
- > Central drain point for fluids for ergonomic maintenance
- > Noise reduction: Insulation of the noise sources through power pack housing
- > Dust containment: effective spray system at different material transfer points of the plant, e.g. crusher inlet, crusher discharge conveyor, side discharge conveyor
- > Optimised consumption in shorter breaks thanks to a specific mode: all machine components - with the exception of the diesel engine and crusher - can be switched off at the push of a button

> Transport

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



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TECHNICAL INFORMATION	MC 110 EVO2
Feed capacity up to approx. (t/h)	400
Crusher inlet width x depth (mm)	1,100 x 700
Max. feed size (mm)	990 x 620
Transport height approx. (mm) *	3,400
Transport length approx. (mm) *	15,010
Transport width approx. (mm) *	3,000
Transport weight of basic plant - max. configuration (kg)	42,500 - 49,000
* without options	



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