

A WIRTGEN GROUP COMPANY



KLEEMANN



MC 100(i) EVO

MOBICAT MOBILE JAW CRUSHER



> FAST WORKERS. READY FOR ANY TASK.



MOBICAT MC 100(i) EVO

Irrespective of whether there is limited space on the building site or job sites change frequently - thanks to compact dimensions and a low transport weight, deployment of the MOBICAT MC 100(i) EVO is flexible, fast and highly versatile. Thanks to the intelligent diesel-direct drive concept, it achieves impressive output values at low consumption levels.



Focus on flexibility



Comfort and safety at a glance



MOBICAT MC 100(i) EVO



Crusher discharge conveyor
Discharge height: 3,050 mm
or 3,660 mm (extended)⁺

Side discharge conveyor⁺
Discharge height: 2,110 mm
or 3,000 mm (extended)⁺

Basic hopper 3.2 m³

1 Feeding unit	4 Control system	7 Magnetic separator and crusher discharge conveyor
2 CFS Continuous Feed System	5 Drive	> Handling
3 Crusher unit	6 Control system	

⁺ Option



1 Feeding unit

- > Chassis-integrated vibrating feeder with embedded slotted grate
- > Hopper extension, small⁺ (6 m³), rigid version
- > Hopper extension, large⁺ (7.1 m³); hydraulic-folding and lockable, convenient operation from the ground



1 Feeding unit

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3 Crusher unit

4 Control system

5 Drive

6 Control system

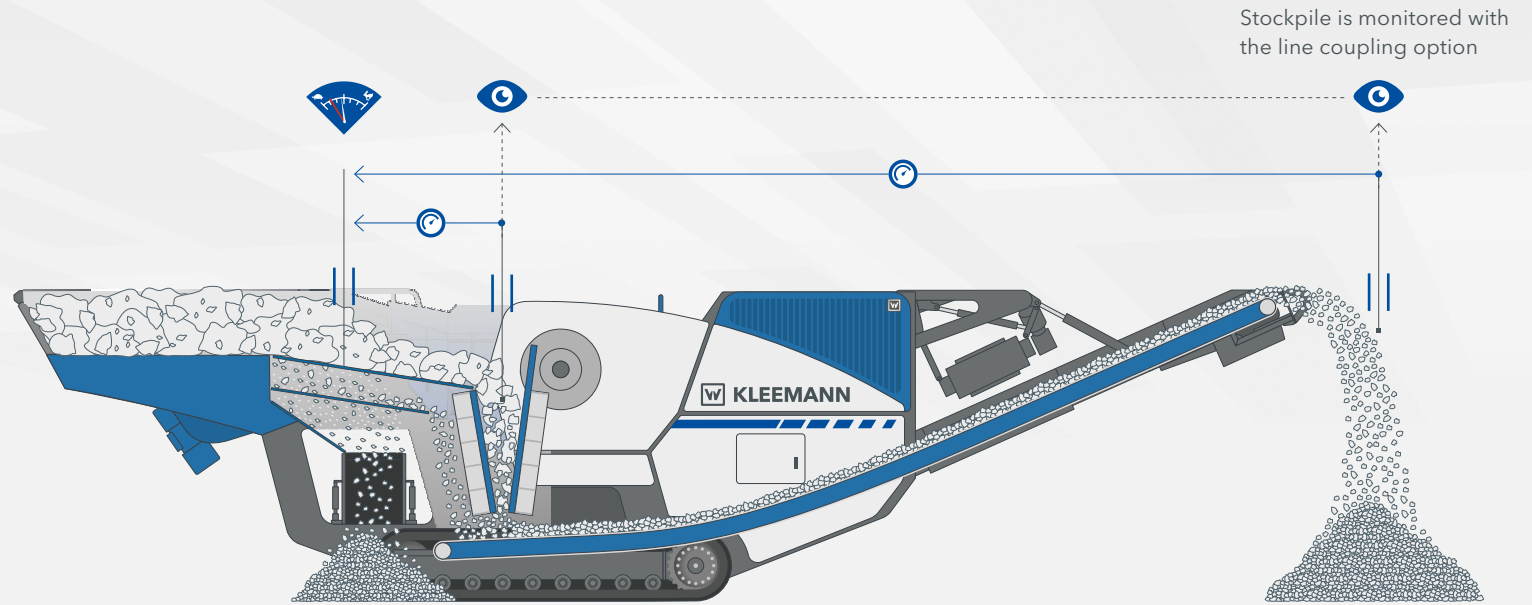
7 Magnetic separator and crusher discharge conveyor

> Handling



2 CFS Continuous Feed System

- > CFS Continuous Feed System⁺ ensures through optimum feed control - for a daily output of up to 10 % more
- > Vibrating feeder and prescreen automatically throttle or increase the conveying speed - depending on the fill level of the crusher:



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3 Crusher unit

- > Extra-long crusher jaw: for optimum material intake into the crushing chamber
- > Convenient crusher gap setting thanks to simple input on touch panel and wedge system
- > 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



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4 Control system

LRS 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



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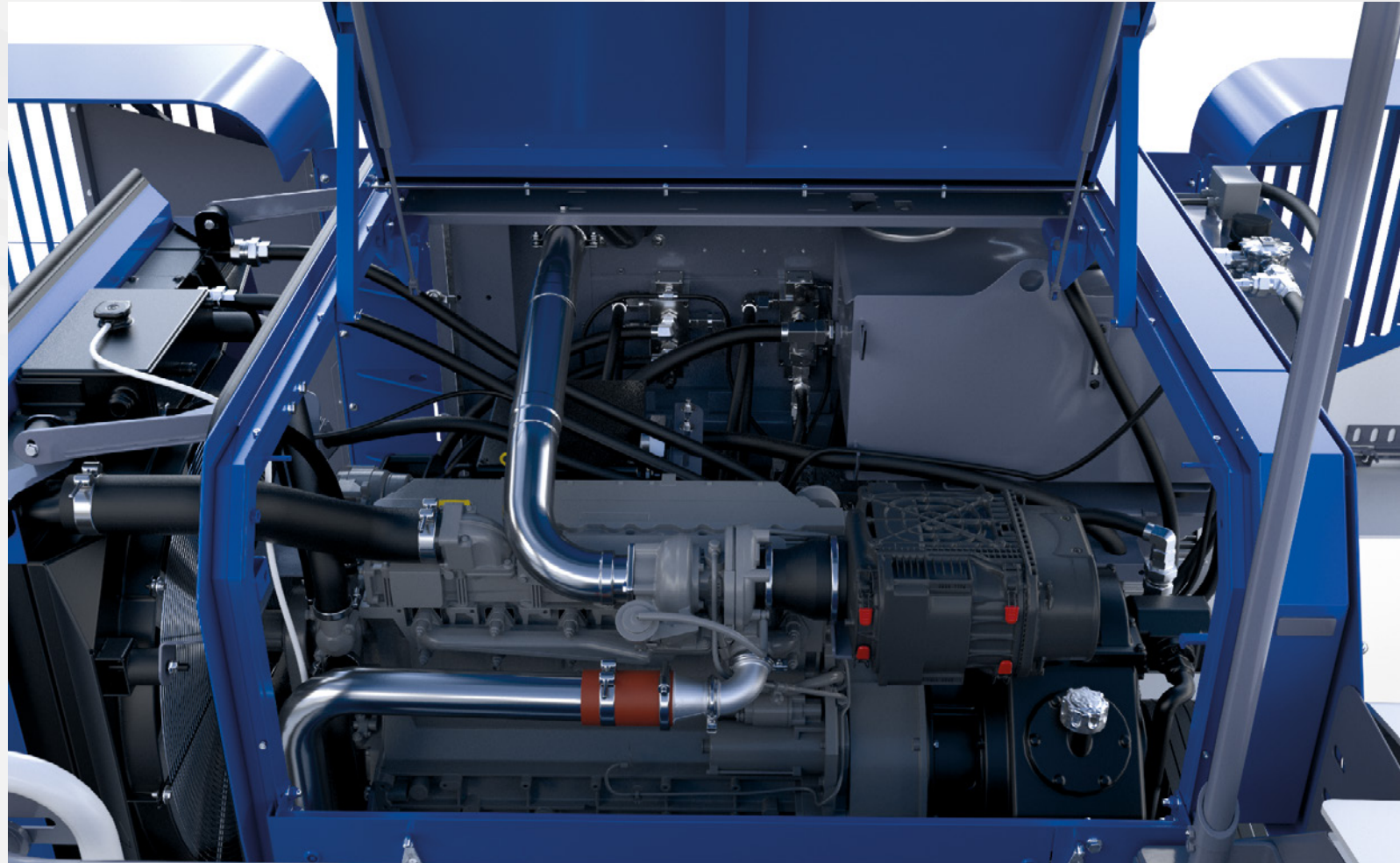
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5 Drive

- > Extremely efficient and high-performance crusher direct drive, very favourable consumption values
- > On-board power generator for driving all electric components, e.g. chutes and conveyor belts
- > Independent drive system
- > Heat package⁺ (-15 to + 50 °C)



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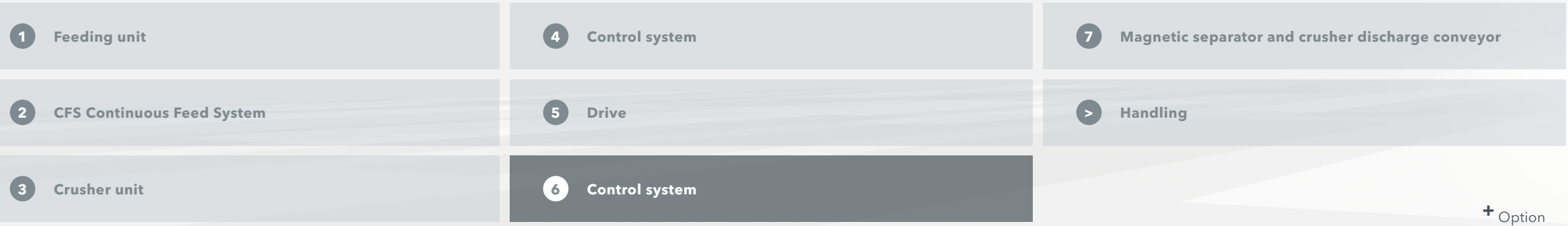
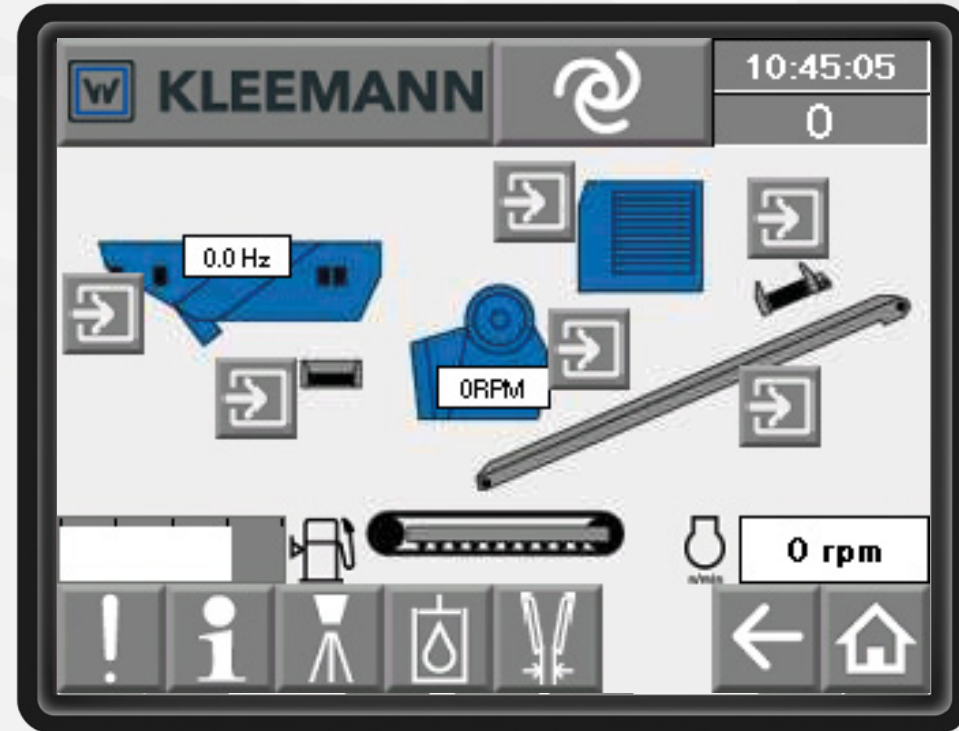
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> Handling



6 Control system

- > Simple control with touch panel and illuminated push-buttons
- > Menu-guided operation with continuous text fault display
- > All components and functions can be controlled
- > Status display of all components
- > Remote control (wired or radio) for convenient control from, e.g. the excavator





7 Magnetic separator and crusher discharge conveyor

Magnetic separator +

- > Effective electromagnet or permanent magnet +
- > Can be raised and lowered hydraulically via remote control to remove the blockages
- > Discharge, left or right

Crusher discharge conveyor

- > Wide and robust crusher discharge conveyor incl. spray system
- > Foldable extended belt + for simple transport
- > Belt scale + for crusher discharge conveyor



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> Transport

- > High flexibility for changing work locations
- > Short make-ready times thanks to uncomplicated setup
- > Very compact design - for applications in narrow, restricted construction sites (e.g. town centres)
- > Easy transport thanks to hydraulic functions (e.g. side discharge conveyor, crusher discharge conveyor)

> Safety and ergonomics

- > Quick and convenient service possible thanks to ease of physical and visual access to all components
- > Spray system and LED lighting included in the basic plant; premium lighting⁺ for extended illumination of work areas
- > Awarded the DGUV and Euro Test certificate as a safe crushing plant



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TECHNICAL INFORMATION

MC 100(i) EVO

Feed capacity up to approx. (t/h)	220
Crusher inlet width x depth (mm)	950 x 550
Feed size max. (mm)	855 x 530
Transport height approx. (mm) *	3,200
Transport length approx. (mm) *	12,965
Transport width approx. (mm) *	3,000
Transport weight of basic plant - max. configuration (kg)	31,000 - 38,500
* without options	



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