

A WIRTGEN GROUP COMPANY



KLEEMANN



MC 100i EVO

MOBICAT MOBILE JAW CRUSHER



> FAST WORKERS. READY FOR ANY TASK.



MOBICAT MC 100i 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 100i 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 100i EVO



Crusher discharge conveyor
Discharge height: 10' or 12'
(extended)⁺

Side discharge conveyor
Discharge height: 6' 11"
or 9' 10" (extended)⁺

Basic hopper 4.2 yd³

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	



1 Feeding unit

- > Chassis-integrated vibrating feeder with embedded slotted grate
- > Hopper extension, small⁺ (7.8 yd³), rigid version
- > Hopper extension, large⁺ (9.3 yd³); hydraulic-folding and lockable, convenient operation from the ground



1 Feeding unit

2 CFS Continuous Feed System

3 Crusher unit

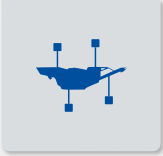
4 Control system

5 Drive

6 Control system

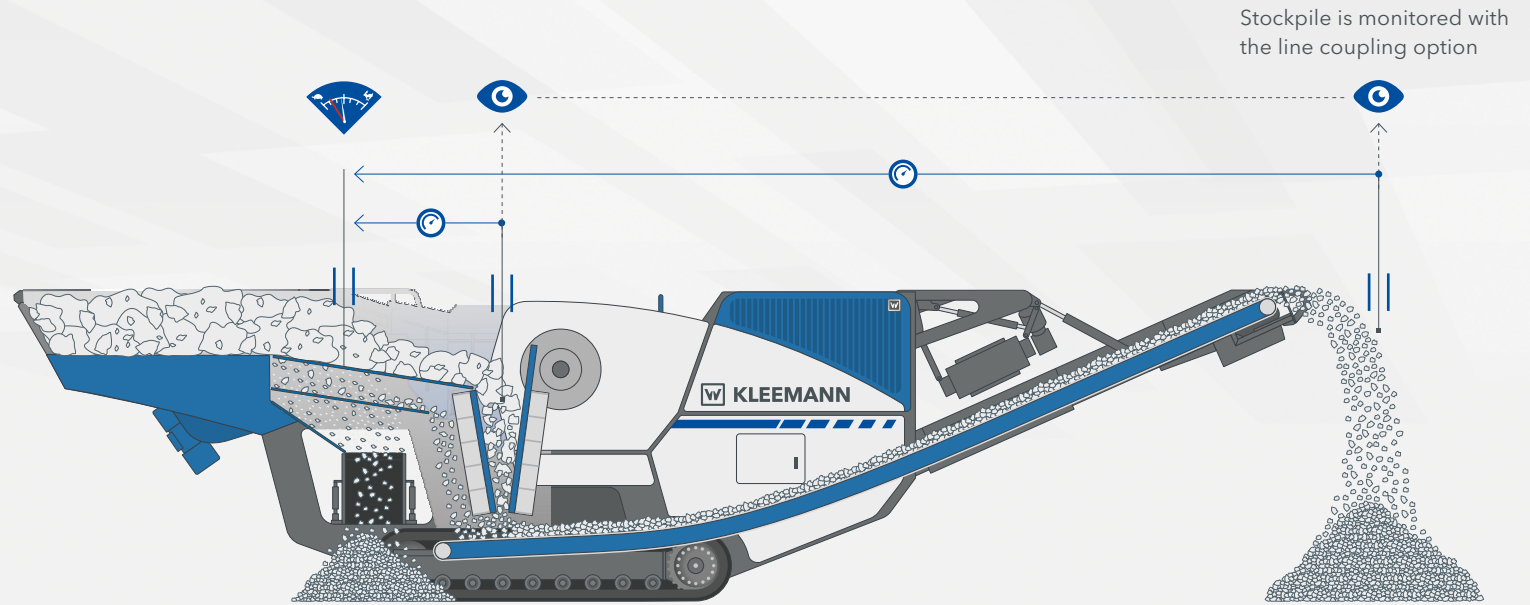
7 Magnetic separator and crusher discharge conveyor

> 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:



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	



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



1 Feeding unit

2 CFS Continuous Feed System

3 Crusher unit

4 Control system

5 Drive

6 Control system

7 Magnetic separator and crusher discharge conveyor

> Handling



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



1 Feeding unit

2 CFS Continuous Feed System

3 Crusher unit

4 Control system

5 Drive

6 Control system

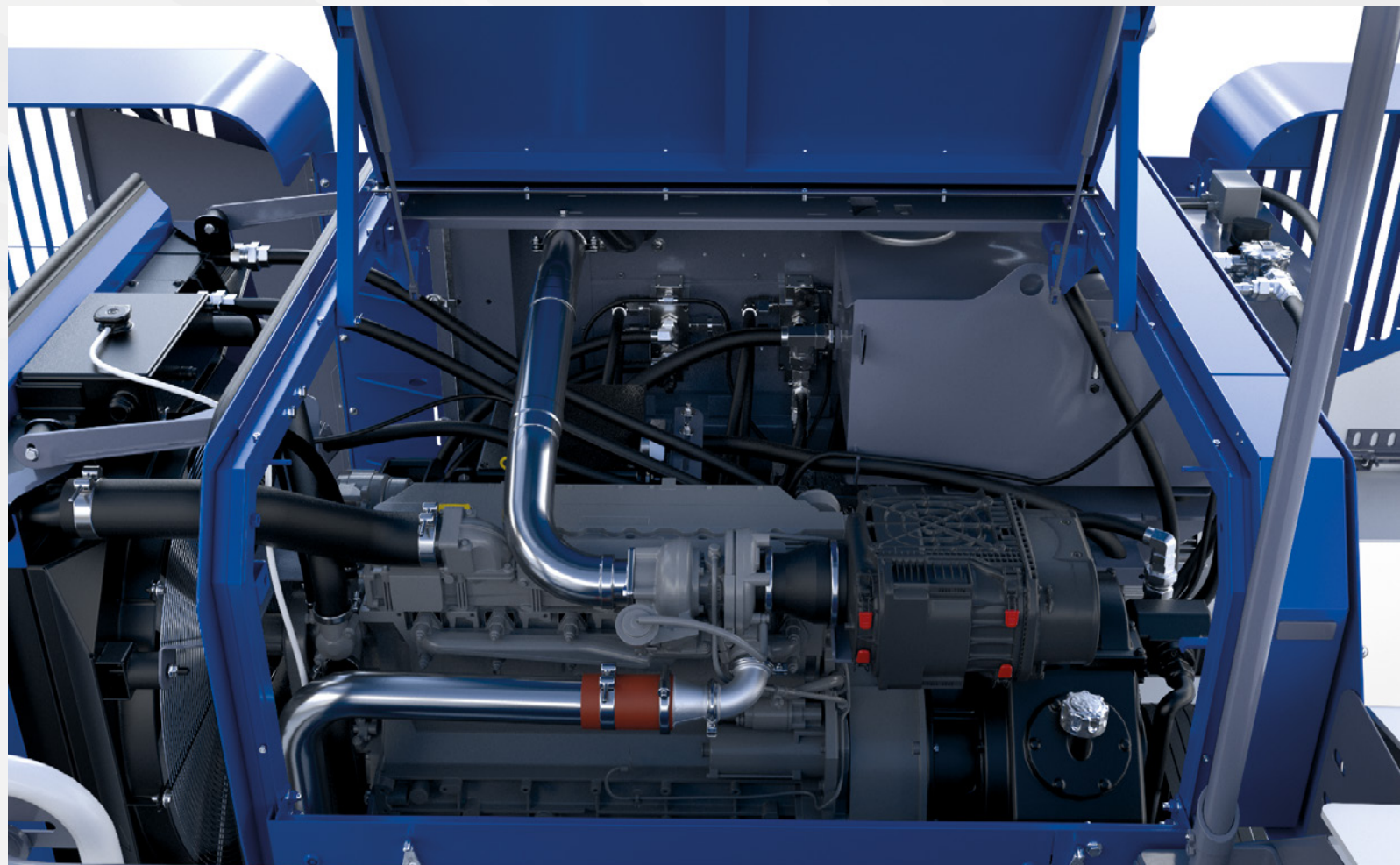
7 Magnetic separator and crusher discharge conveyor

> Handling



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⁺ (5 to 122 °F)



1 Feeding unit

2 CFS Continuous Feed System

3 Crusher unit

4 Control system

5 Drive

6 Control system

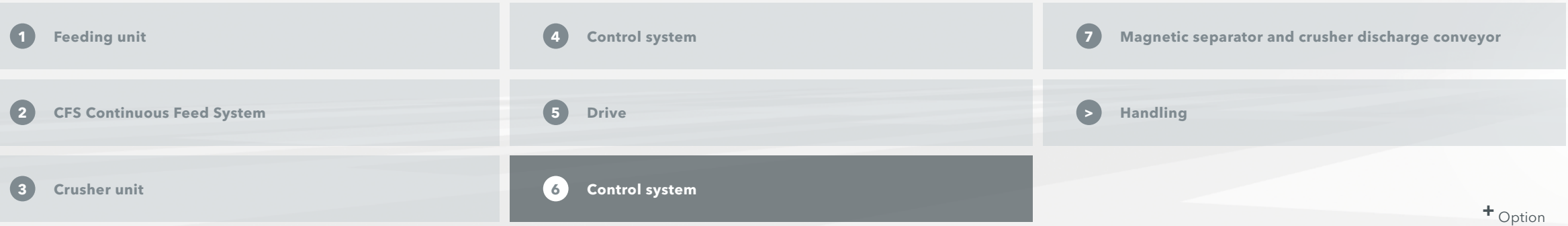
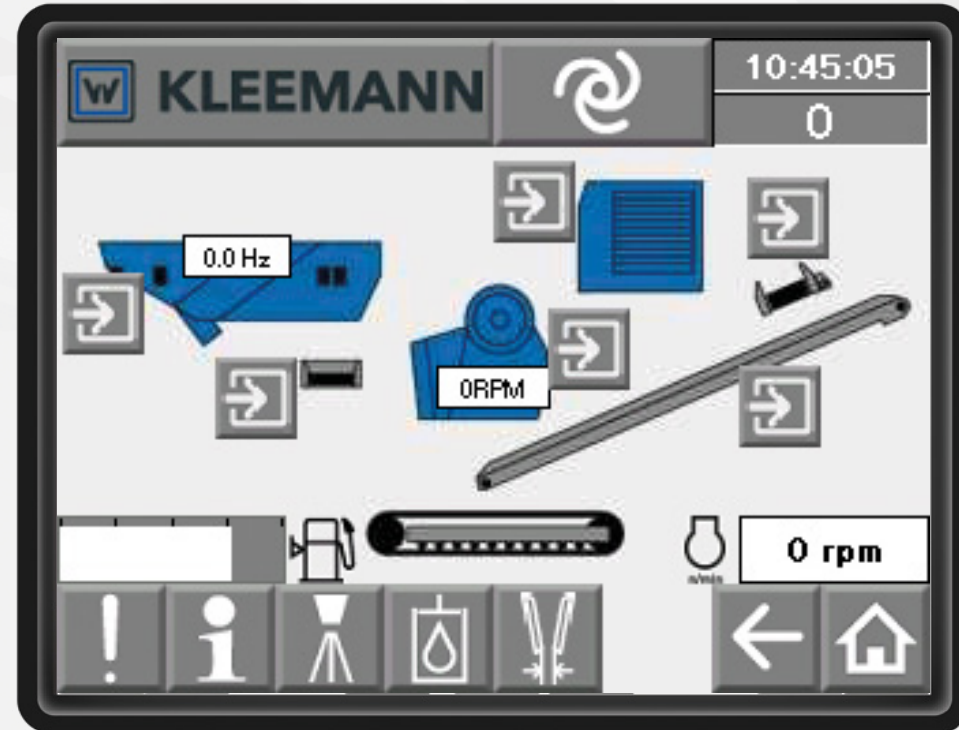
7 Magnetic separator and crusher discharge conveyor

> 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



1 Feeding unit

2 CFS Continuous Feed System

3 Crusher unit

4 Control system

5 Drive

6 Control system

7 Magnetic separator and crusher discharge conveyor

> Handling



> 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. city 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



1 Feeding unit

2 CFS Continuous Feed System

3 Crusher unit

4 Control system

5 Drive

6 Control system

7 Magnetic separator and crusher discharge conveyor

> Handling

TECHNICAL INFORMATION

MC 100i EVO

Feed capacity up to approx. (US t/h)	243
Crusher inlet width x depth (inch)	37" x 22"
Feed size max. (inch)	34" x 21"
Transport height approx. (inch) *	10' 6"
Transport length approx. (inch) *	42' 6"
Transport width approx. (inch) *	9' 10"
Transport weight of basic plant - max. configuration (lbs)	66,150 - 78,300
* without options	



WIRTGEN AMERICA

6030 Dana Way
Antioch, TN 37013
USA

T: +1 615 501 0600

M: info.america@wirtgen-group.com

 www.wirtgen-group.com/america