A WIRTGEN GROUP COMPANY

KLEEMANN


# MC 110(i) EVO2

MOBILE JAW CRUSHER MOBICAT

MOBICAT EVO2

# MOBICAT MC 110(i) EVO2

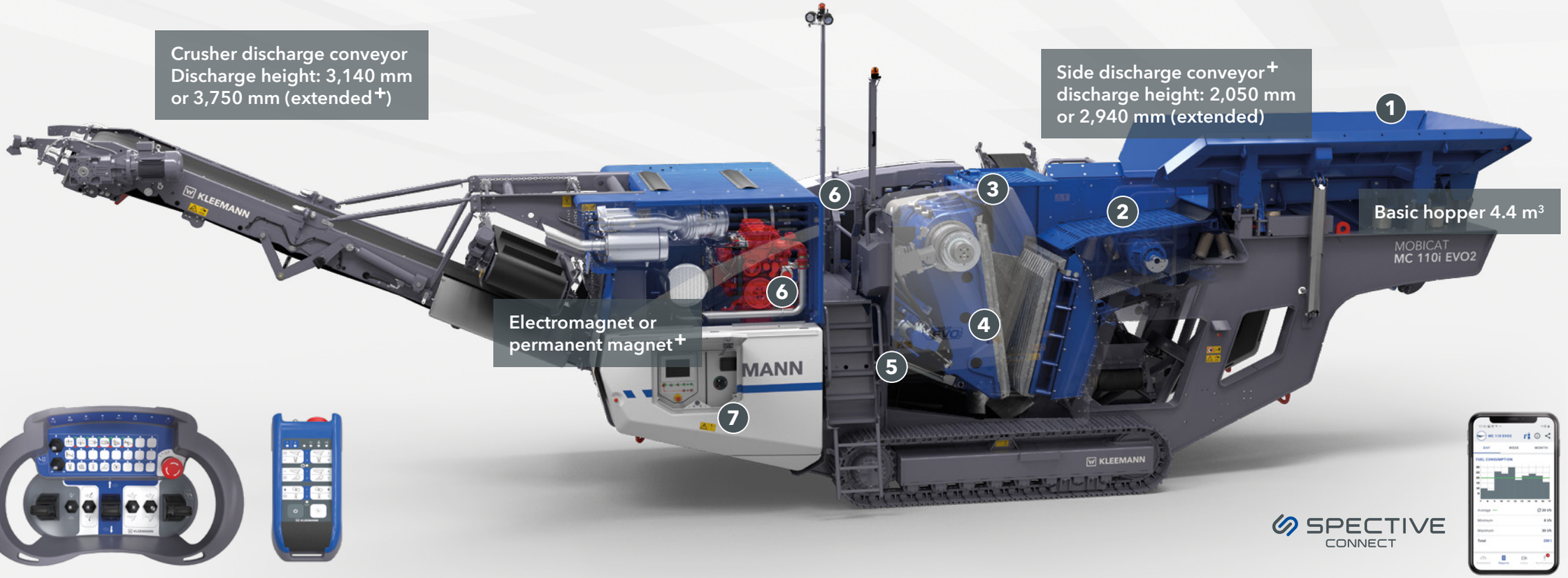
The cost-effective use of crushing and screening plants hinges on many factors. Whether costs per ton, efficient operation or optimal building site logistics – the MOBICAT MC 110(i) EVO2 jaw crusher excels when it comes to cost-effectiveness.


**A focus on cost-effectiveness**

**Operability in the foreground**

**An eye on sustainability**

# MOBICAT MC 110(i) EVO2








SPECTIVE CONNECT



1 Feeding unit

2 Prescreen

3 Continuous Feed System CFS

4 Crusher unit

5 Overload systems

6 Drive

7 SPECTIVE operating concept

> Handling and sustainability

+ Option

# 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




+ Option

## 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

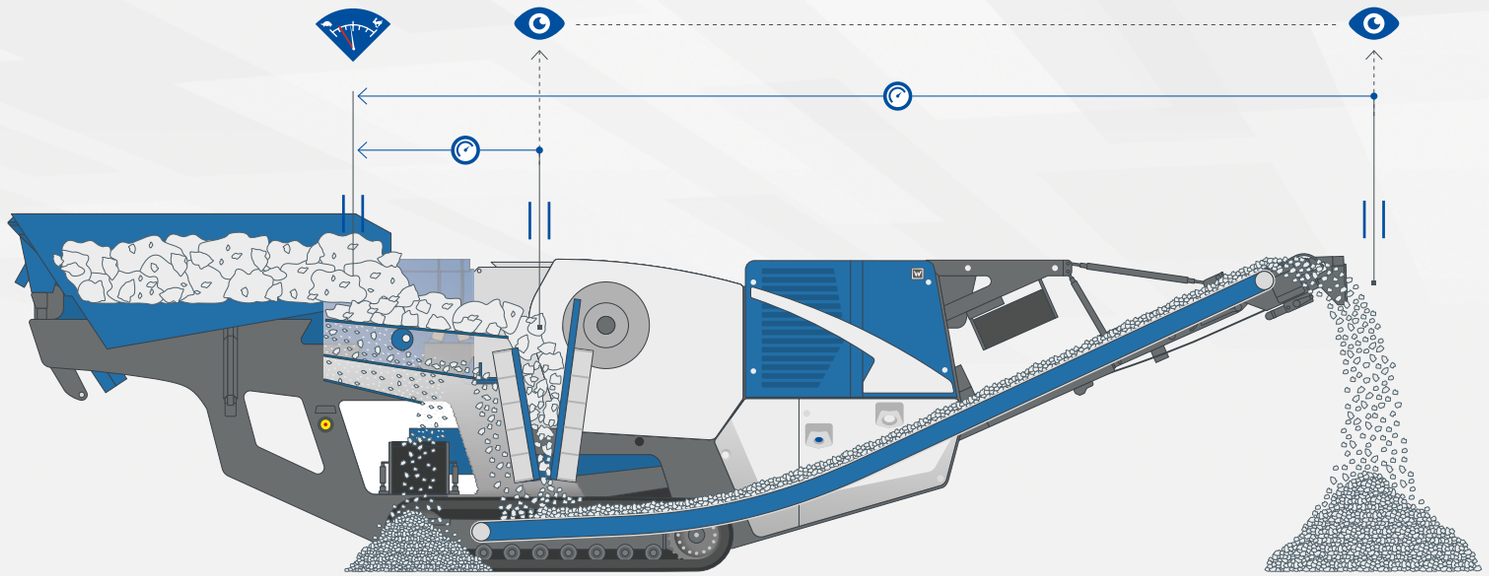
1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

# 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



1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

# 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+


1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

# 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

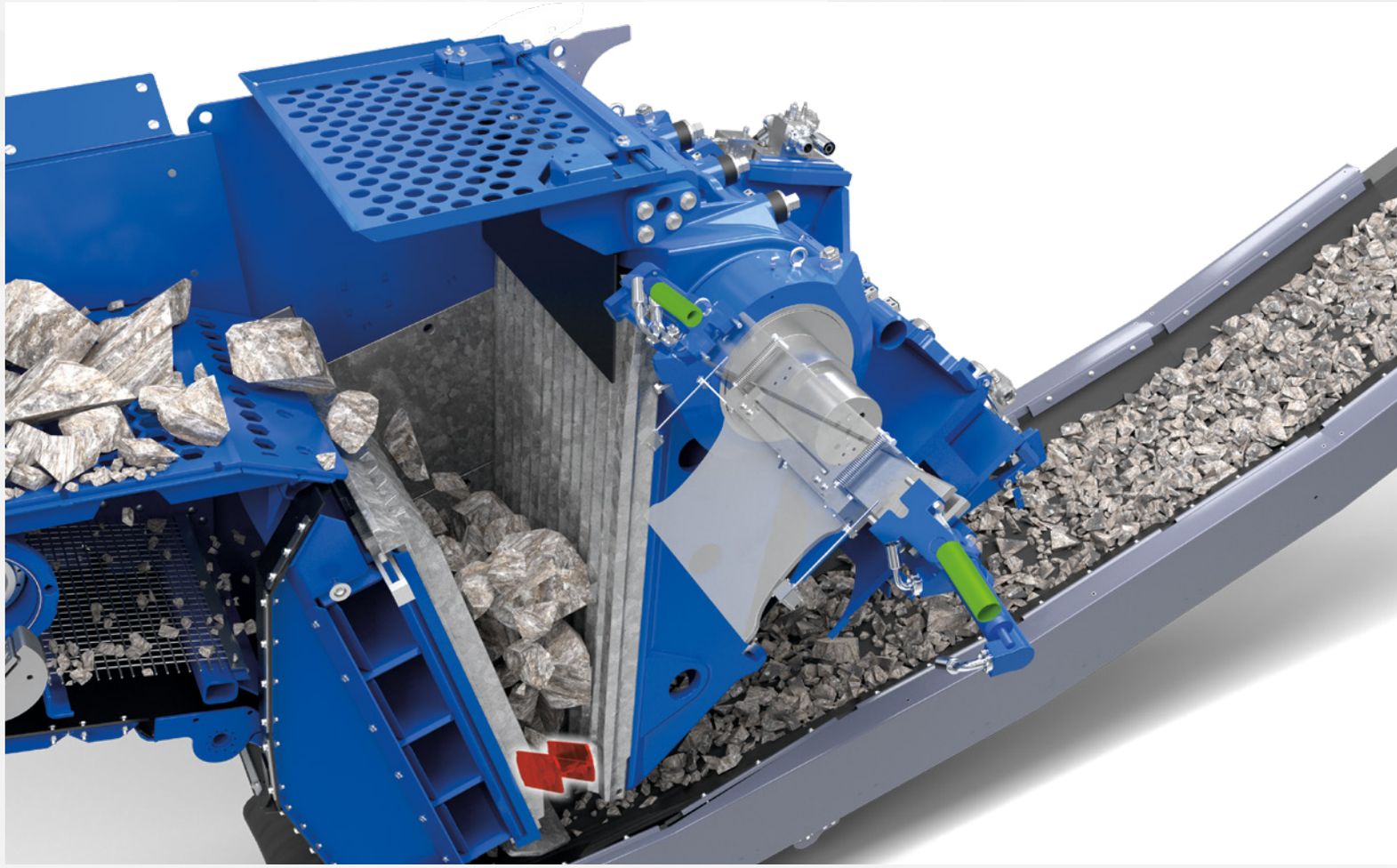
Active overload system+:
> even faster response to overload for preventing damage to the crusher
> Automatic repositioning of the crushing gap – for constant product quality

### 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



1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

## 6 Drive

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


**KLEEMANN**
SUSTAINABILITY

KLEEMANN SUSTAINABILITY describes innovative technologies and solutions which are consistent with the sustainability objectives of the WIRTGEN GROUP.

1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

# 7 SPECTIVE operating concept

> **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

> **Camera system+:** for convenient monitoring of crusher and hopper, remote monitor in the excavator also available with radio extension, additional connection to SPECTIVE CONNECT

> **Operations center:** platform for digital solutions for process and service optimisation as well as easier maintenance planning

> **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+:** for crusher discharge conveyor to determine production data


1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

## > Accessibility and safety

> 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

## > Transport

> High flexibility for changing work locations, short set-up times

> Compact design – for applications in tight building sites (e.g. town centres)

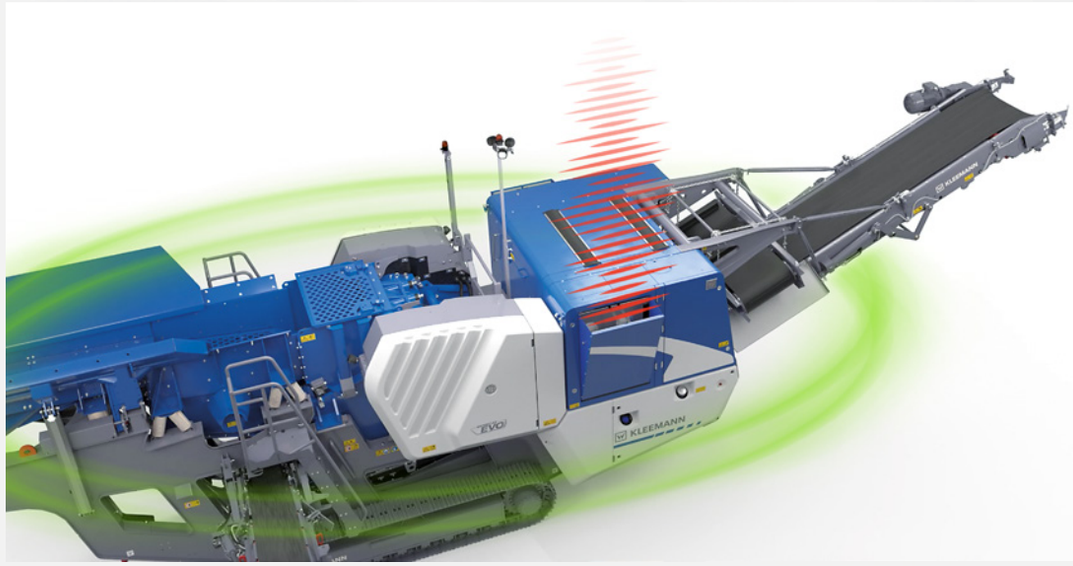
> Simple transport thanks to hydraulic functions (e.g. side discharge conveyor, crusher discharge conveyor) and a transport height of 3,400 mm

## > Environment

> Noise reduction: Insulation of the noise sources through power pack housing, reduction of noise by 7 compared to the predecessor model

> Dust containment: effective spray system at different material transfer points of the plant, e.g. crusher inlet, crusher discharge conveyor, side discharge conveyor

> Reduced consumption in shorter breaks thanks to ECO mode: all machine components – with the exception of the diesel engine and crusher – can be switched off at the push of a button



KLEEMANN SUSTAINABILITY

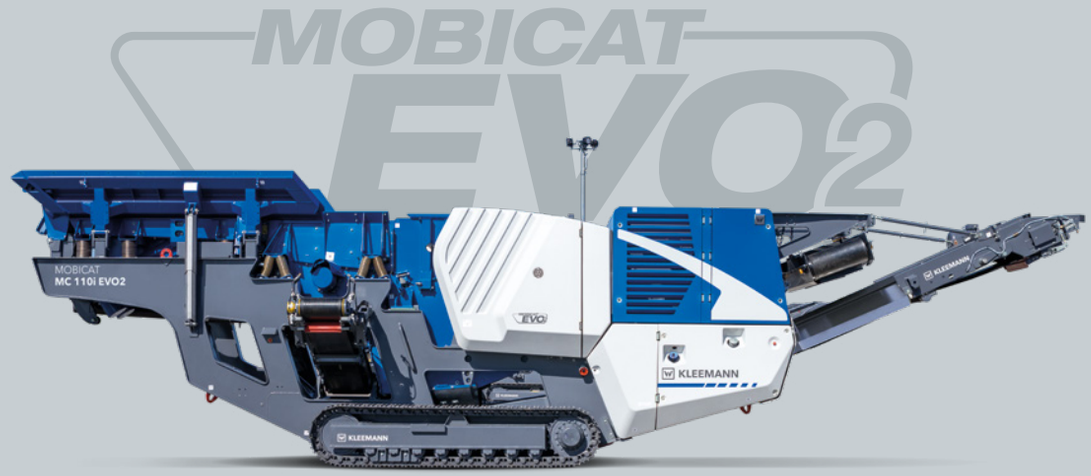
1 Feeding unit
2 Prescreen
3 Continuous Feed System CFS
4 Crusher unit
5 Overload systems
6 Drive
7 SPECTIVE operating concept
> Handling and sustainability

+ Option

A WIRTGEN GROUP COMPANY

KLEEMANN

| TECHNICAL INFORMATION | MC 110(i) 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 | |




**KLEEMANN GmbH**

Manfred-Wörner-Str. 160
73037 Göppingen
Germany

T: +49 7161 206-0
M: info@kleemann.info

**www.kleemann.info**