MOBICONE MCO 11 PRO

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1 Robust feeding unit
made from wear-resistant steel or with replaceable wear lining (optional)

2 Optimal crusher level
with Continuous Feed System CFS

Cone crusher with **3** large stroke for **maximum crushing capacity**

4 Comfortable automatic gap setting via touch panel

Wide and robust **7** **crusher discharge conveyor**

SPECTIVE

A Simple transportation
thanks to hydraulically folding crusher discharge conveyor and slide mechanism

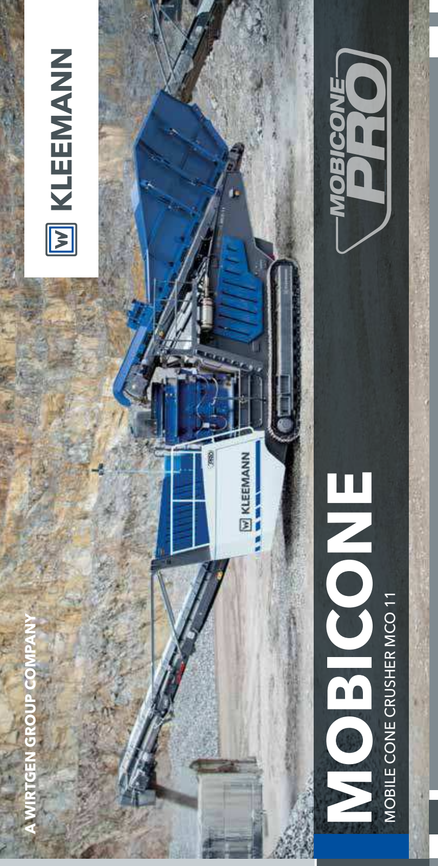
B Safety and ergonomics
with clear machine design

5 Low consumption thanks to efficient and powerful diesel-electric drive

6 Simple, intuitive control concept

MOBICONE PRO

The MOBICONE MCO 11 PRO is distinguished by its extremely robust design and very high performance. The plant can also be operated using an external power source and impresses with its low-maintenance operation.



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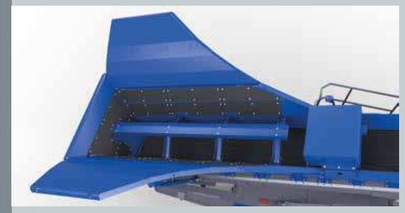
MOBILE CONE CRUSHER MCO 11

A WIRTGEN GROUP COMPANY

01 Feeding unit

- Hopper made from wear-resistant steel, filling aid for rear loading by wheel loader
- Support beam to protect the belt and for optimal material guidance during the material feed; robust feeding area with buffered rollers
- Magnetic remover (option) and metal detector in logical sequence for optimal operating reliability

Slide mechanism for adapting discharge pattern



Optional hopper with replaceable wear lining

02 CFS

- Continuous crusher loading thanks to Continuous Feed System (CFS):

1 The control is effected by monitoring

> the crusher level

> power consumption at the crusher

> speed of the crusher drive

> stockpile probe at the crusher discharge conveyor (optional)

2 Depending on the crusher level, the infinitely variable, frequency-controlled adaptation of the conveying capacity of the feeding conveyor is effected

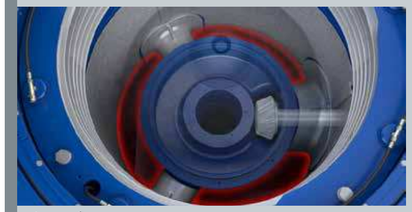
- Result: Optimal crusher level at all times for maximum performance and excellent final product quality

- Simple slide mechanism enables the adaptation of the material discharge pattern to the crusher for optimal filling

03 Crusher unit

- Cone crusher with large stroke for maximum crushing capacity
- Stable crusher design and high crusher drive power (250 kW)
- Large flow area, 3-arm crusher design (integrated drive shaft) for increased throughput
- Reliable overload system for protection in the case of material that cannot be crushed („Tramp Release System")

Overload system

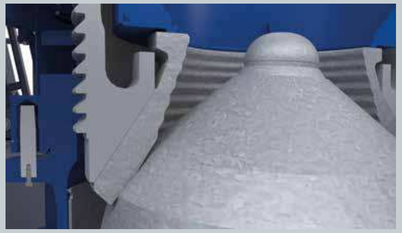


Larger flow area

- Simple tool change without sealing compound

04 Gap setting

- Fully automatic gap setting during operation
- Fully automatic zero point detection



- Can be operated safely and comfortably from the ground, simple and intuitive adjustment via touch panel, no setup times

05 Drive unit

- Innovative layout of drive unit:

> Lower level: Diesel engine with generator, lubricating oil supply of crusher, good service accessibility to all key components, can be easily refilled from the ground

> Upper level: Crusher drive, external power supply (optional), drive with cooling

> Good weight distribution

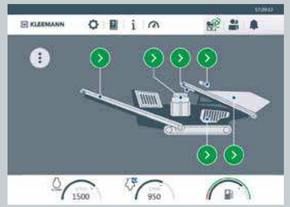
- Efficient and powerful diesel-electric drive for low consumption
- External power supply (optional) for even more efficient use in quarries
- High-performance electric drives of belts; low-consumption, reduced risk of hydraulic leaks

06 Control system

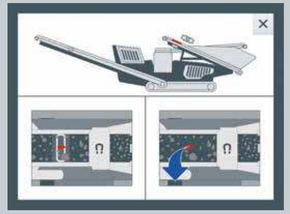
- Simple and intuitive control concept
- 12" touch panel with menu-guided operation and visualisation

- Door-in-door system with separate flap in control cabinet – plant can be controlled through small flap
- All components and functions can be controlled; status display of all components such as speed, temperature, pressure, etc.; quick fault detection, display in plain text format

- Perfect protection of control elements by dust-proof and vibration-proof control cabinet
- Radio remote control for operating all key components
- Optional camera system for monitoring crusher and hopper, remote monitor in excavator (optional)



Intuitive representation of plant overview



Information on simple troubleshooting

SPECTIVE

07 Crusher discharge conveyor

- Wide and robust crusher discharge conveyor
- Extended crusher discharge conveyor for higher discharge height available as option; hydraulically foldable for transportation
- Function-monitored crusher discharge conveyor; when at a standstill the material feeding is switched off
- Optional extended belt cover to reduce dust, available for both belts
- External oversize grain returning from downstream mobile screening plant optional, can be mounted on both sides
- Optional stockpile probe

A Transport

- Simple transport preparation with hydraulic functions:

> Extended discharge conveyor (incl. cover)

> Filling aids

> Moving the feeding unit

- Extended crusher discharge conveyor can be folded in hydraulically for transportation

- Transport in one unit (except optional return conveyor) on flat-bed truck possible
- Simple slide mechanism of feeding unit for quick setup, no need to dismantle parts for transportation

B Safety and ergonomics

- Fast and convenient service possible thanks to access to all components
- All hydraulic cylinders are equipped with safety valves (lowering/brake holding valves), every cylinder remains in its current position in the event of a shutdown or malfunction
- Simple refuelling from the ground
- Water spray system and LED lighting included in basic plant; advanced lighting optional
- Electric oil level check for diesel engine, can be easily read on display

Good service accessibility

Advanced lighting (optional)

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MOBILE CONE CRUSHERS MOBICONE

TECHNICAL INFORMATION	MCO 11 PRO
Feed capacity up to approx.(t/h)	470
Crusher system size (mm)	1,100
Max. feed size (mm)	240
Approx. transport height (mm)	3,850
Approx. transport length (mm)	18,060
Approx. transport width (mm)	3,000
Approx. transport weight (kg)	49,000

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