

A WIRTGEN GROUP COMPANY



**KLEEMANN**



# MOBISCREEN MSS EVO

MOBILE SCREENING PLANT MOBISCREEN MSS 502i EVO | MSS 802i EVO



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Changing work locations and new applications often pose challenges for screening plants. The MOBISCREEN EVO mobile screening plants for coarse materials are ideally equipped for this.

The wide range of screening surfaces and the easy setting of screening parameters allow the MSS EVOs to be easily adapted to new operating conditions. If a fine end-product needs to be screened from very coarse feed material, the plants can be quickly converted from three to two final grain sizes.



Focus on flexibility



Operability in the foreground



Ergonomics at a glance



# MOBISCREEN MSS 502i EVO | MSS 802i EVO



Hopper volume  
MSS 502i EVO: 8.4 yd<sup>3</sup>  
MSS 802i EVO: 11.9 yd<sup>3</sup>

Screening surface  
MSS 502i EVO: 58 ft<sup>2</sup>  
MSS 802i EVO: 81 ft<sup>2</sup>

Main discharge conveyor  
discharge height  
MSS 502i EVO: 13' 2"  
MSS 802i EVO: 13' 3"

1 Feed hopper

3 Drive

> Material flow

2 Operating concept

4 Screen

> Handling and sustainability



## 1 Feed hopper

- > MSS 802i EVO: Hopper rear wall can be folded to three different heights for optimum material transfer even at low feed heights
- > MSS 502i EVO: Hopper rear wall can be easily folded
- > Independently folding filling aids<sup>+</sup> for easy wheel loader feeding from the side and rear
- > Apron feeder<sup>+</sup> for especially coarse material
- > Safe and convenient retraction and extension of the feed unit and folding and unlocking/locking of the filling aids from the ground via the mobile control unit
- > MSS 802i EVO: Interchangeable<sup>+</sup> KRS wear plates, easy to replace



<sup>+</sup> Option

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## 2 Operating concept

- > Simple operating concept reduces the risk of operating errors
- > Mobile, wired operating device for perfect viewing of the executed functions from a safe distance
- > Radio remote control<sup>+</sup> for comfortable control of the driving function and the hopper discharge conveyor
- > Better planning and analysis of the plant thanks to the telematics solution
- > Automatic start for starting production easily and quickly



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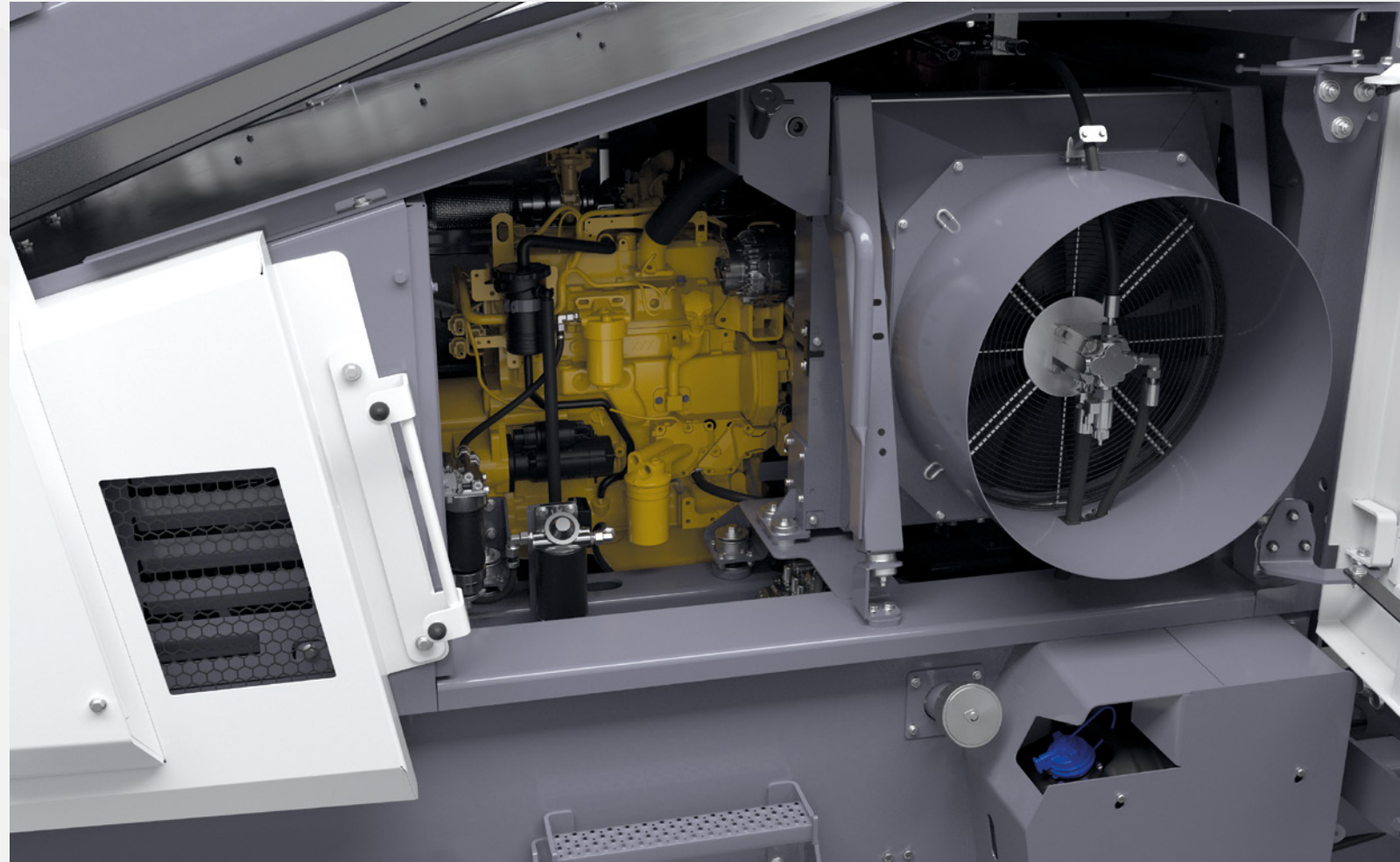


### 3 Drive

- > Well-thought-out hydraulics concept for efficient power transmission and reduced operating costs
- > Flexible refuelling from both sides
- > Ease of physical and visual access to all components relevant to maintenance
-  Electric operation through external power supply for emission-free work and lower operating costs thanks to electro-hydraulic Dual-Power drive<sup>+</sup>



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



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## 4 Screen

- > Large selection of screen surfaces for application flexibility, configuration diversity of individual screen segments
- > Screen casing angle with a wide adjustment range of 15.4 - 20° to optimize the screening performance while maintaining high product quality
- > Material brakes<sup>+</sup> and/or chain curtain<sup>+</sup>, can be installed in two positions on the screen casing, for adapting the upper deck to difficult feed material
- > Lower deck with banana profile, steeper angle of screen media on the inlet side for improved screening efficiency; flatter angle on the discharge side for increased final product quality



<sup>+</sup> Option

1 Feed hopper

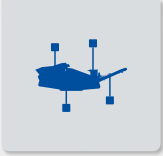
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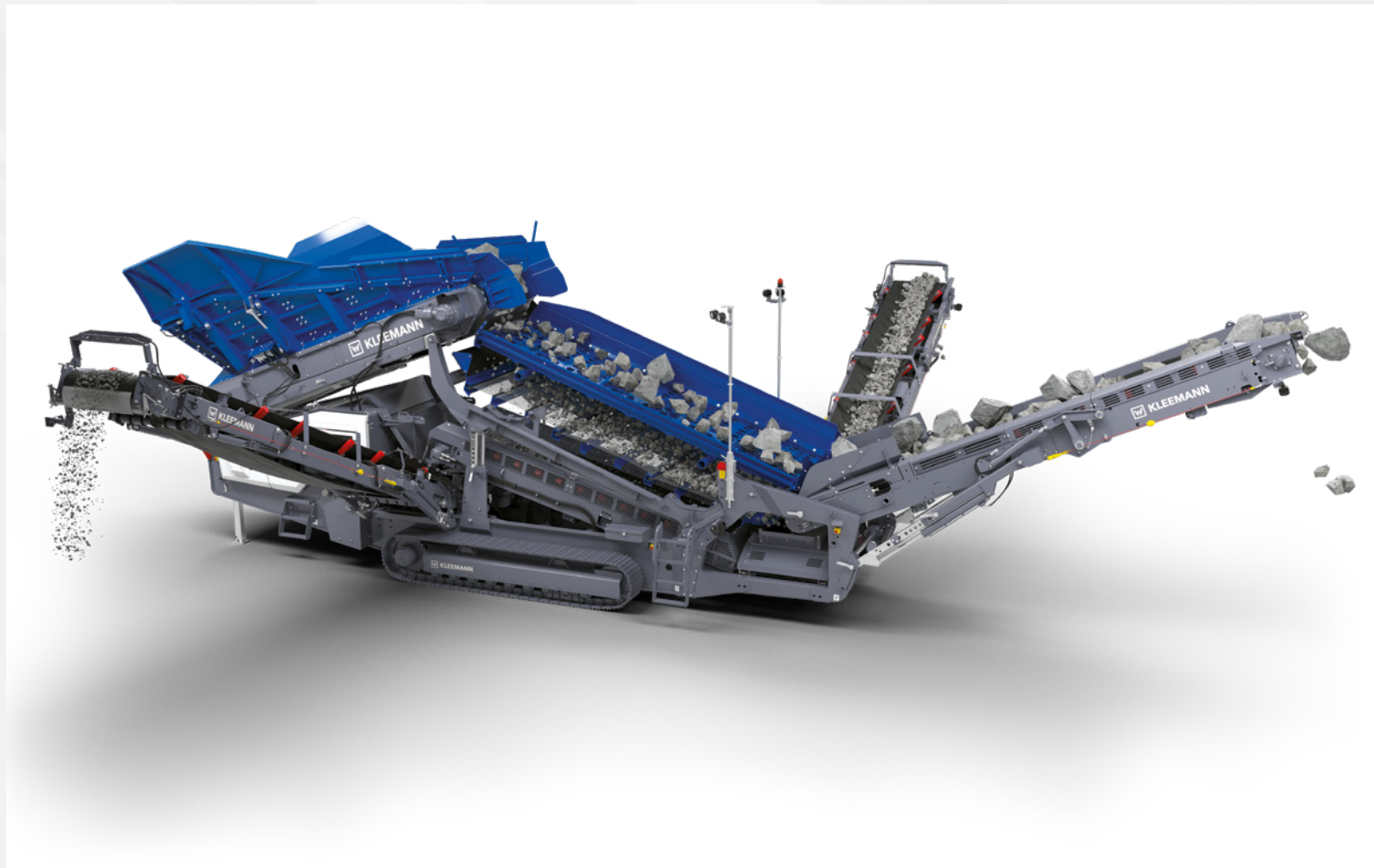
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## > Material flow

- > Optimized material guidance with 48" (MSS 502i EVO)/ 56" (MSS 802i EVO) wide main discharge conveyor for higher production output
- > Simple conversion from 3 to 2 final grain sizes increases application flexibility
- > Speed of all conveyor belts can be adjusted steplessly
- > Magnetic separator<sup>+</sup> (MSS 802i EVO only) and magnetic drum<sup>+</sup> protect downstream crushers and increase material quality
- > Generous material transfer to the screen deck for ideal usage of the screening surface
- > Large discharge heights and therefore higher stockpiles thanks to extended main discharge conveyor<sup>+</sup> and extendable side discharge conveyors<sup>+</sup> (MSS 802i EVO only)
- > Line coupling<sup>+</sup> allows process and safety-related technical coupling with all KLEEMANN EVO and PRO plants; optimized material flow and enhanced safety throughout the entire plant train
- > The stockpile probe<sup>+</sup> required for process coupling can be placed on any discharge conveyor of the plant for more application flexibility
- > MSS 802i EVO: additional hydraulic port<sup>+</sup> for operating a stockpile conveyor



<sup>+</sup> Option

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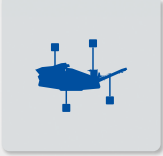
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## > Safety & ergonomics

- > Quick and convenient service thanks to very good access to all components requiring maintenance
- > LED lighting in compliance with standards included in the basic configuration; Premium lighting<sup>+</sup> for extended illumination of the material flow and transfer points
- > Simple and fast cleaning of the hopper discharge conveyor underflow thanks to a removable chute
- > Extended, extra-wide work platforms and horizontally adjustable screen casing enable ergonomic access to all screen decks

## > Transport

- > Folding of the side discharge conveyors without the disassembly of parts reduces set-up times and the risk of damage
- > Precise loading and positioning of the plant thanks to stepless drive control

## > Environment

- > Pre-installed water spray system for dust reduction; with electric water pump<sup>+</sup> for autonomous supply of the spray system
- > Temperature-controlled fan reduces the noise level and diesel consumption



<sup>+</sup> Option

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TECHNICAL INFORMATION	MSS 502i EVO	MSS 802i EVO
Type	Scalping screen	Scalping screen
Screen decks	2	2
Screening surface	4' 5" x 13' 1"	5' 1" x 16'
Feed capacity up to approx. (US t/h)	386	551
Max. feed size	26" x 16" x 10"	32" x 20" x 12"
Transport height approx. *	10' 3"	11' 2"
Transport length approx. *	47' 3"	51' 12"
Transport width approx. *	9' 10"	9' 10"
Transport weight of basic plant - max. configuration (lbs)	58,450 - 73,950	70,350 - 84,900

\* without options



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