

A WIRTGEN GROUP COMPANY



KLEEMANN



MSS 802i EVO

MOBISCREEN MOBILE SCREENING PLANT



MOBISCREEN MSS 802i EVO

Changing work locations and new applications often pose challenges for screening plants. The MOBISCREEN MSS 802i EVO mobile screen for coarse materials is ideally equipped for this.

The wide range of screen media and the simple setting of the screening parameters make it easy to adapt the MSS 802i EVO to new operating conditions. If a fine end-product needs to be screened from a very coarse feed material, the plant can be quickly converted from three to two end-grain sizes.



Focus on flexibility



Operability in the foreground



Ergonomics at a glance



MOBISCREEN MSS 802i EVO



Basic hopper 11,9 yd³

Screening surface 81 ft²

Crusher discharge conveyor
Discharge height 13'3"

1 Feed hopper

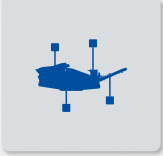
3 Drive

> Material flow

2 Control system

4 Screen

> Handling and sustainability



1 Feed hopper

- > Hopper rear wall foldable at three heights for optimum material transfer even at a low feed height
- > Filling aids⁺ that can be folded independently from one another for simple wheel loader feeding from the side and rear
- > Apron feeder⁺ for feeding sharp abrasive material
- > Moving the feeding unit in and out and folding as well as unlocking/locking the filling aids can be carried out safely and conveniently from the ground with the mobile remote control
- > KRS wear plates⁺ are interchangeable, easy to replace



⁺ Option

1 Feed hopper

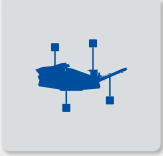
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2 Control system

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



⁺ Option

1 Feed hopper

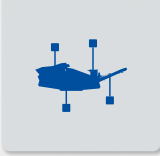
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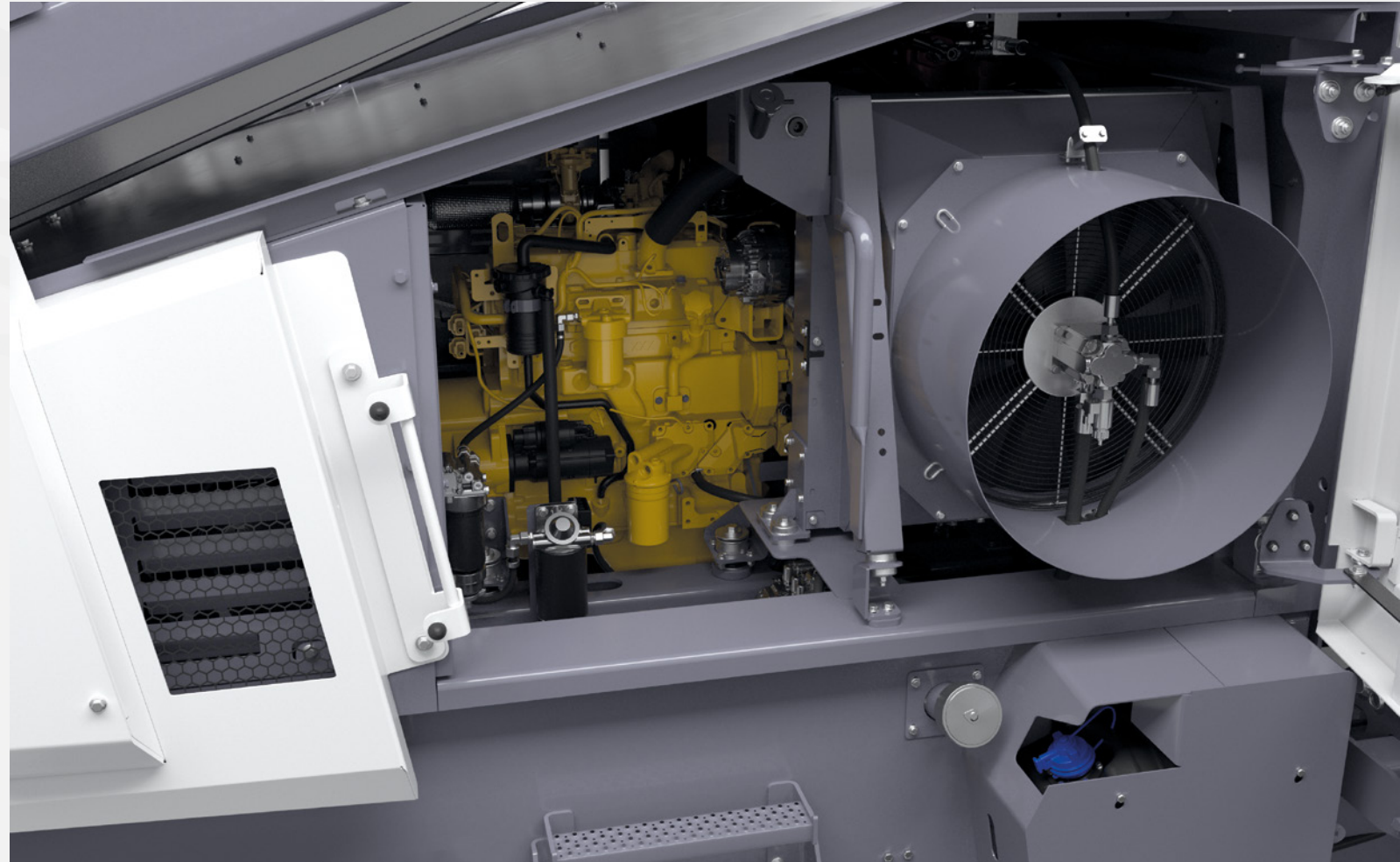
3 Drive

- > Well-thought-out hydraulics concept H-DRIVE 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 ⁺



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



⁺ Option

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4 Screen

- > Large selection of screen media for application flexibility, configuration diversity of individual screen segments
- > Screen box angle can be adjusted from 15 to 20 degrees for optimisation of the screening capacity combined with high product quality
- > Screen blankets⁺ and/or chain curtain⁺, can be installed in two positions on the screen box, for adaptation of the upper deck to difficult feed material
- > Lower deck with banana profile, 5° angle on the infeed side for improved screen efficiency; flatter angle on the discharge side for increased final product quality



⁺ Option

1 Feed hopper

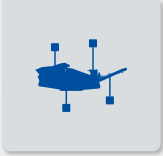
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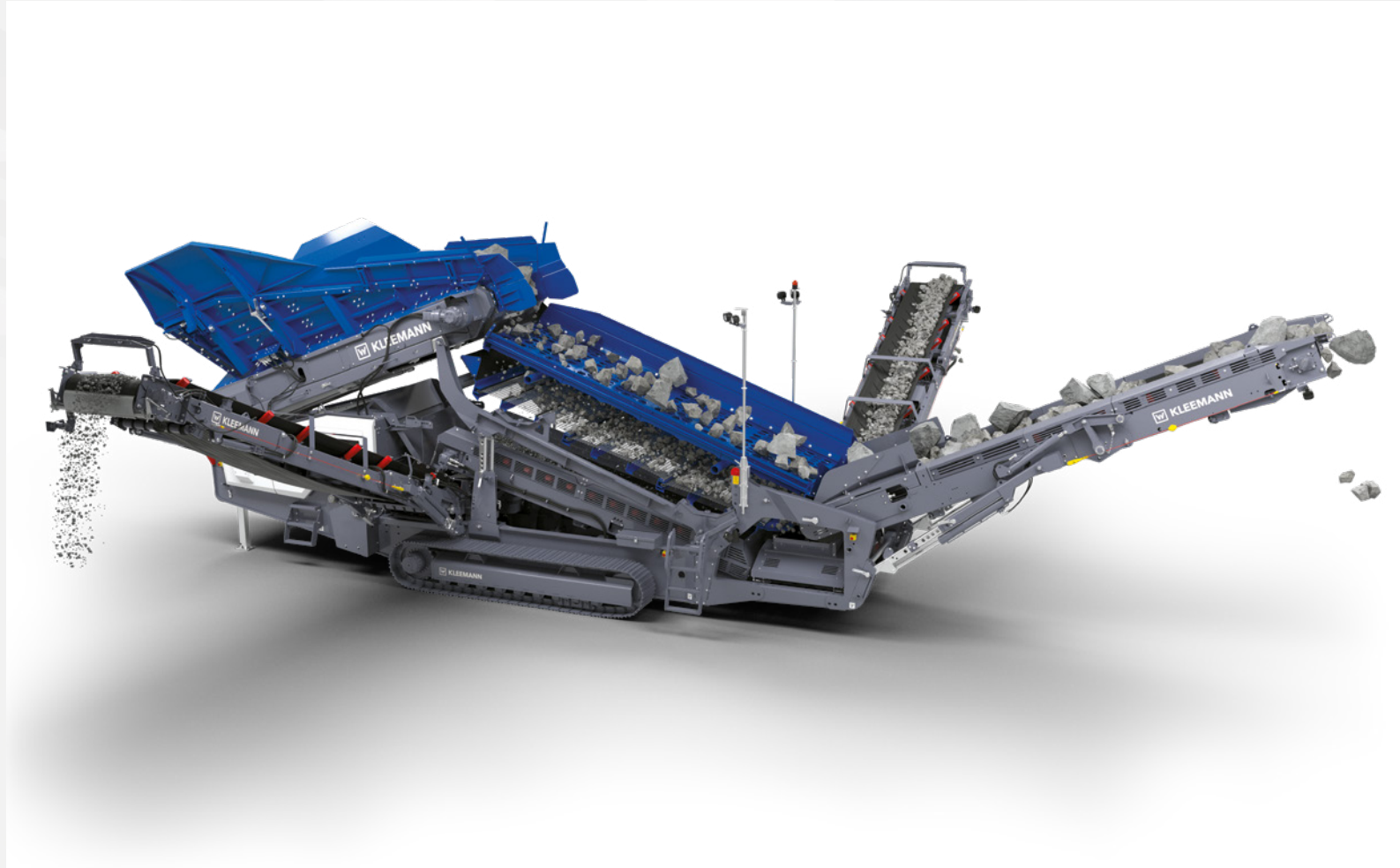
> Material flow

> Handling and sustainability



> Material flow

- > Optimized material guidance with 55"-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 easily via remote control
- > Magnetic separator⁺ and magnetic conveyor head drum⁺ protect downstream crushers and increase material quality
- > Generous material transfer to the screen deck for ideal usage of the screening surface
- > High discharge heights and therefore higher stockpiles through extended main discharge conveyor⁺ and telescopic side discharge conveyor⁺
- > Line coupling allows process and safety-related connection to all KLEEMANN EVO and PRO plants; optimised material flow and enhanced safety throughout the entire plant train
- > The stockpile probe⁺ required for process coupling can be placed on any discharge conveyor of the plant for more application flexibility
- > Hydraulic port⁺ for operating a stacker



⁺ Option

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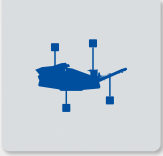
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> Safety & ergonomics

- > Quick and convenient service due to very good access to all components requiring maintenance
- > LED lighting included in basic configuration; Premium lighting⁺ for extended illumination of the material flow and transfer points
- > Simple and fast cleaning of the hopper discharge conveyor underpass thanks to a removable chute
- > Extended, extra-wide work platforms and horizontally adjustable screen box enable easy 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 easy to operate drive control system

> Environment

- > Pre-installed water spray system for dust reduction; electric water pump⁺ to supply pressurized water supply to the spray system
- > Temperature-controlled smart fan reduces the noise level and diesel consumption



⁺ Option

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TECHNICAL INFORMATION

MSS 802i EVO

Type	Scalping screen
Screen decks	2
Screening surface	5' 1" x 16'
Feed capacity up to approx. (US t/h)	551
Max. feed size	32" x 20" x 12"
Transport height approx. *	11' 2"
Transport length approx. *	52'
Transport width approx. c*	9' 10"
Transport weight of basic plant - max. configuration (lbs)	70,350 - 84,900

* without options



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