

A WIRTGEN GROUP COMPANY



KLEEMANN



MOBISCREEN MSS PRO

MOBILE SCREENING PLANT MOBISCREEN MSS 1102 PRO



> HIGH-CAPACITY AND ROBUST - FOR POWERFUL OPERATION

MOBISCREEN
PRO

MOBISCREEN MSS 1102 PRO

Changing work locations and new applications often pose challenges for screening plants. Like other members of the scalper family, the MSS 1102 PRO can be individually equipped and adjusted to the specific application.

With its robust construction, the MSS 1102 PRO is designed for high feed capacities of up to 750 t/h. A generously dimensioned feed hopper, an impressive screening surface of 11.2 m² and very powerful discharge conveyors guarantee maximum material throughput. The plant can also be changed over from 3- to 2-way split and can therefore be used to produce and discharge either three or two final grain sizes.

Focus on
performance



Operability in
the foreground



Ergonomics
at a glance



MOBISCREEN MSS 1102 PRO



4,940 mm discharge height
of main discharge conveyor

11.2 m² screening surface

12.3 m³ hopper volume

1 Feed hopper

2 Digital solutions

3 Drive

4 Screen

> Material flow

> Handling



1 Feed hopper

- > Hopper rear wall can be easily folded for optimum material transfer even at low feed heights
- > Apron feeder⁺ for especially coarse material
- > Safe and convenient retraction and extension of the feeding unit and flaps and unlocking/locking of the hopper side walls incl. filling aids⁺ from the ground via the mobile control unit
- > Additional reinforcement of the hopper walls made of KRS with welded-on KRS wear plates⁺ for particularly abrasive feed material



⁺ Option

1 Feed hopper

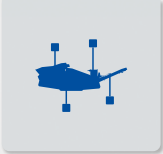
3 Drive

> Material flow

2 Digital solutions

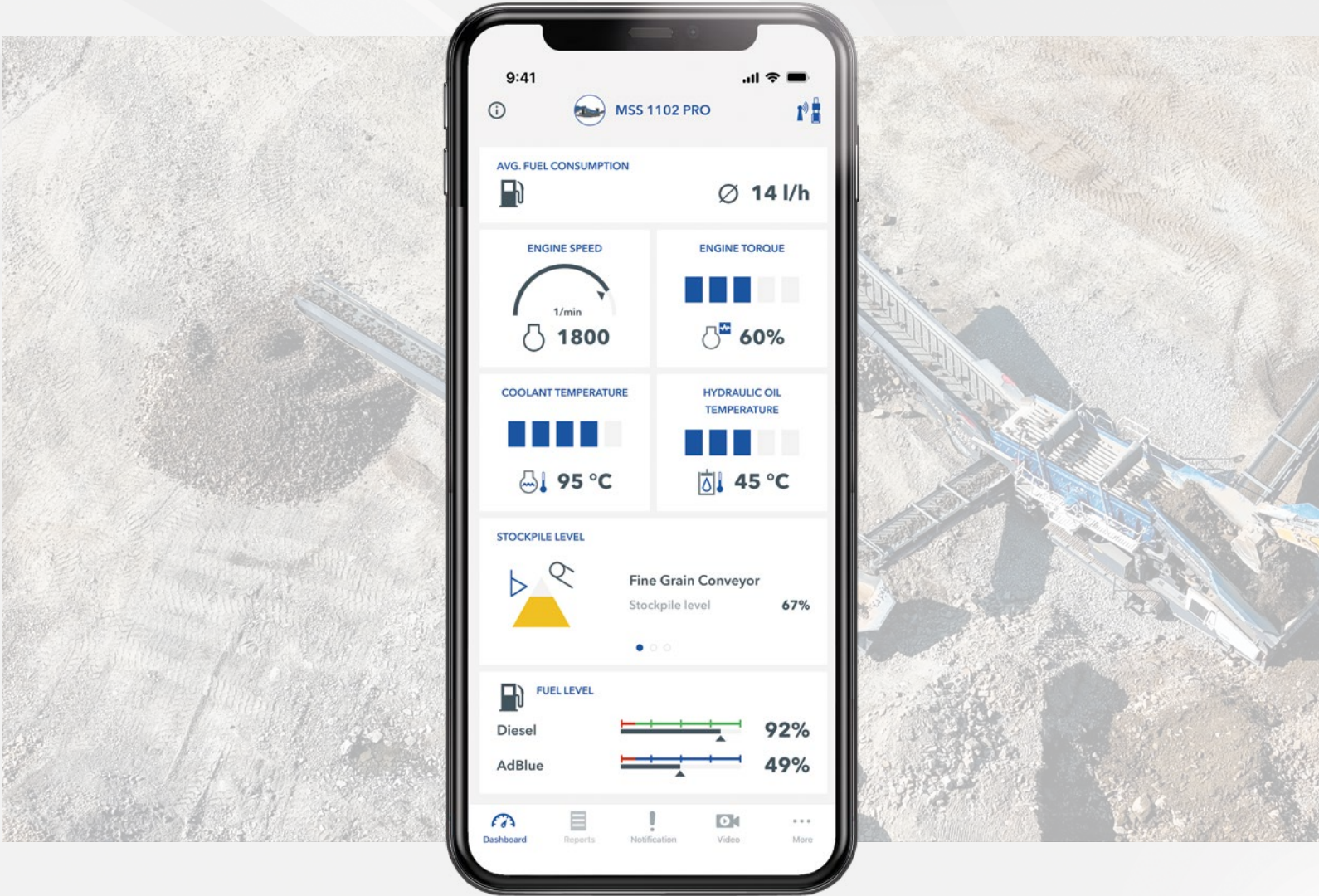
4 Screen

> Handling



2 Digital solutions

- > Simple operating concept reduces the risk of operating errors
- > Mobile, wired operating device for perfect viewing of the executed functions from a safe distance
- > John Deere Operations Center™: platform for digital solutions to optimise processes, machines and services – and to simplify maintenance planning
- > SPECTIVE CONNECT+ for displaying all important machine information directly on the smartphone
- > SPECTIVE radio remote control+: for control of all setting functions, the driving function, the hopper discharge conveyor as well as further functions such as the water spray system
- > Better planning and analysis of the plant thanks to the telematics solution
- > Automatic start for starting production easily and quickly



+ Option

1 Feed hopper

3 Drive

> Material flow

2 Digital solutions

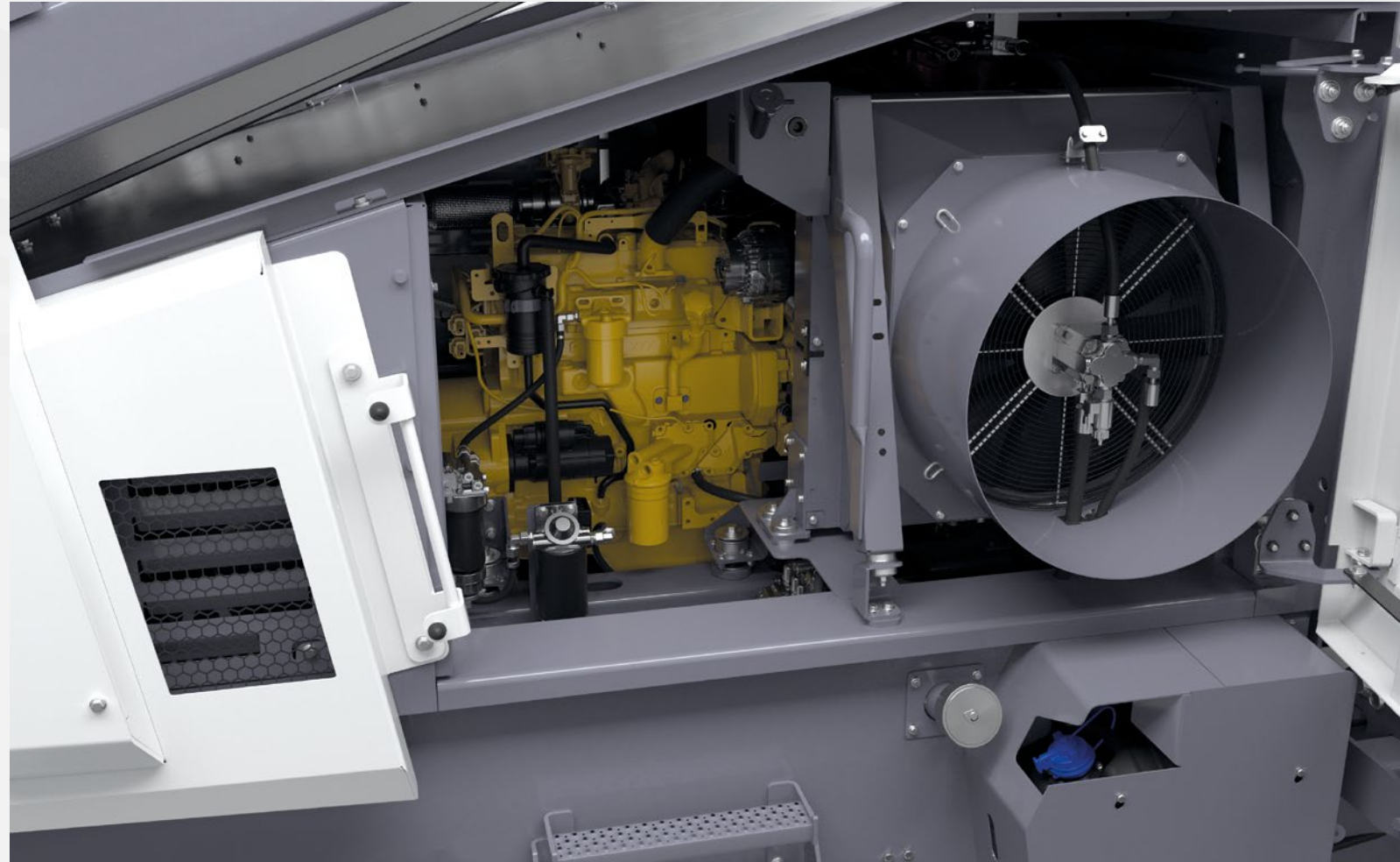
4 Screen

> Handling



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 future-proof work and lower operating costs thanks to electro-hydraulic Dual-Power drive⁺



⁺ Option

1 Feed hopper

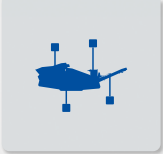
2 Digital solutions

3 Drive

4 Screen

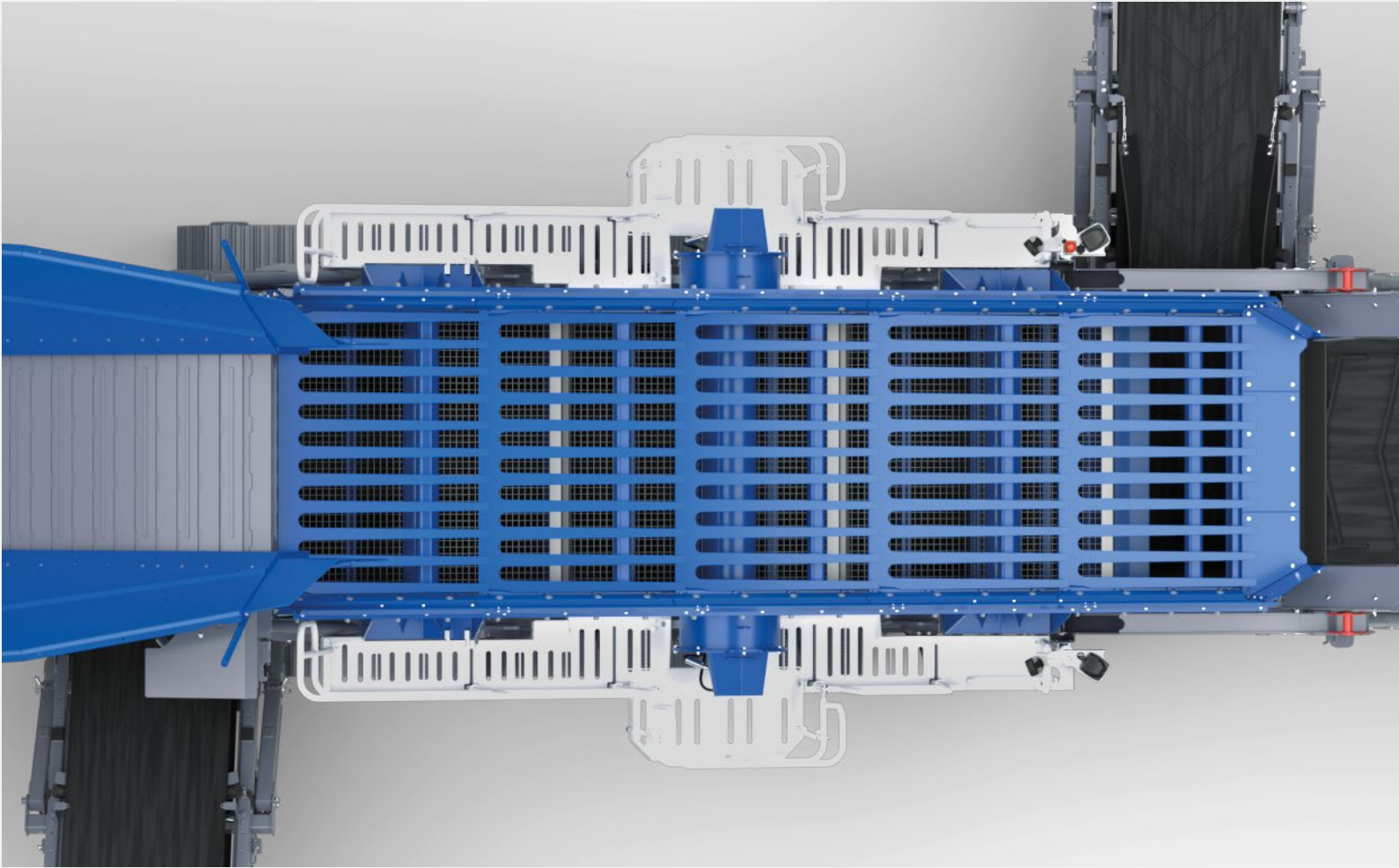
> Material flow

> Handling



4 Screen

- > Large selection of screen media for application flexibility, configuration diversity of individual screen segments
- > Screen casing angle with a wide adjustment range of 12.5 - 17° to optimise the screening capacity while maintaining high product quality
- > Screen blankets⁺ and/or chain curtain⁺, 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 feed side for improved screening efficiency; flatter angle on the discharge side for increased final product quality



⁺ Option

1 Feed hopper

2 Digital solutions

3 Drive

4 Screen

> Material flow

> Handling



> Material flow

- > Optimised material flow with 1,600 mm-wide main discharge conveyor for higher plant performance
- > Simple conversion from 3 to 2 final grain sizes increases application flexibility
- > Speed of all conveyor belts can be adjusted steplessly
- > Generous material transfer to the screen deck for ideal usage of the screening surface
- > Line coupling⁺ allows process and safety-related technical coupling with 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. If desired, it is also possible to install stockpile probes on 2 or all 3 discharge conveyors.
- > Additional hydraulic connection⁺ for operating a stockpile conveyor



⁺ Option

1 Feed hopper

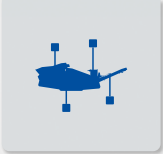
2 Digital solutions

3 Drive

4 Screen

> Material flow

> Handling



> Safety and 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⁺ 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 work platforms and horizontally adjustable screen casing enable ergonomic access to all screen decks
- > Support feet ensure stability during operation
- > Water spray system for dust reduction; with electric water pump⁺ for autonomous supply of the spray system
- > Load-dependent fan ensures lower noise emissions and optimised consumption

> 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



⁺ Option

1 Feed hopper

2 Digital solutions

3 Drive

4 Screen

> Material flow

> Handling



TECHNICAL INFORMATION		MSS 1102 PRO
Type		Scalping screen
Screen decks		2
Screening surface (mm)		1,830 x 6,100
Feed capacity up to approx. (t/h)		750
Max. feed size (mm)		880 x 550 x 330
Transport height approx. (mm) *		3,580
Transport length approx. (mm) *		18,275
Transport width approx. (mm) *		3,000
Transport weight of basic plant - max. configuration (kg)		41,500 - 46,000

* without options



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