

A WIRTGEN GROUP COMPANY



KLEEMANN



MOBISCREEN EVO

MOBILE SCREENING PLANTS MSC 702 | 703 | 952 | 953 EVO



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The MOBISCREEN MSC EVO mobile screening plants are designed for a variety of application conditions and feed materials in natural stone and recycling.

In spite of the wide variety of tasks, the exact separation of fractions is clearly top priority. High precision is achieved thanks to optimal material flow, the best possible utilisation of the screening surface and the simple adjustment of screening parameters such as screening angle and vibrating amplitude. This applies both to individual applications as well as the interlinked combination of plants.



Focus on
precision



Output in the
foreground



Operability
at a glance



MOBISCREEN MSC 702 | 703 | 952 | 953 EVO



Feed hopper
8 m³ standard, 10 m³ optional

1,200 mm wide
feeding conveyor

SPECTIVE
CONNECT

1 Feed hopper

2 Feeding conveyor

3 Screen

4 Drive

5 Control system

> Material flow

> Handling



1 Feed hopper

- > Feed hopper with large capacity
- > Foldable slotted grate with 100 mm gap width for prescreening coarse material and therefore for feeding the plant with a defined grain size, can be folded hydraulically using a convenient radio remote control
- > Vibrating slotted grate⁺ for prescreening very large (max. 350 x 200 x 120 mm) and/or moist, sticky feed material, as well as for a sharp cut of the largest fraction through the mesh in the lower deck



1 Feed hopper

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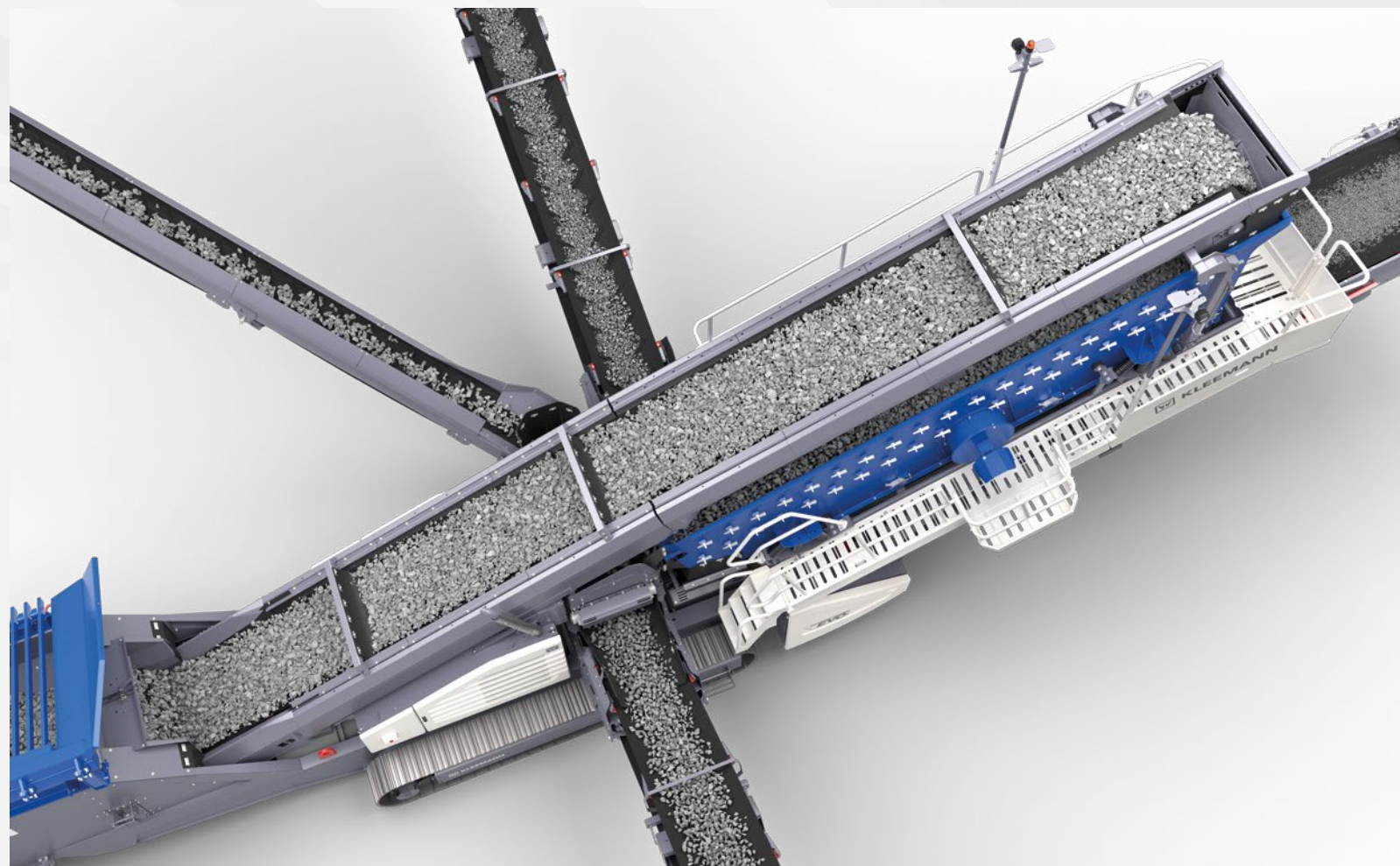
> Material flow

> Handling



2 Feeding conveyor

- > Efficient screening surface usage thanks to extra-wide smooth or cleated feeding conveyor⁺
- > The movable feeding conveyor allows optimal loading via the impact plate at different screen casing angles and for different material compositions
- > Three anti-rollback devices mounted above the feeding conveyor prevent uncontrolled rolling back and rock bouncing
- > Fine grain and feeding conveyor head scraper⁺ for even better cleaning of the feeding conveyor, especially with very fine and sticky feed material



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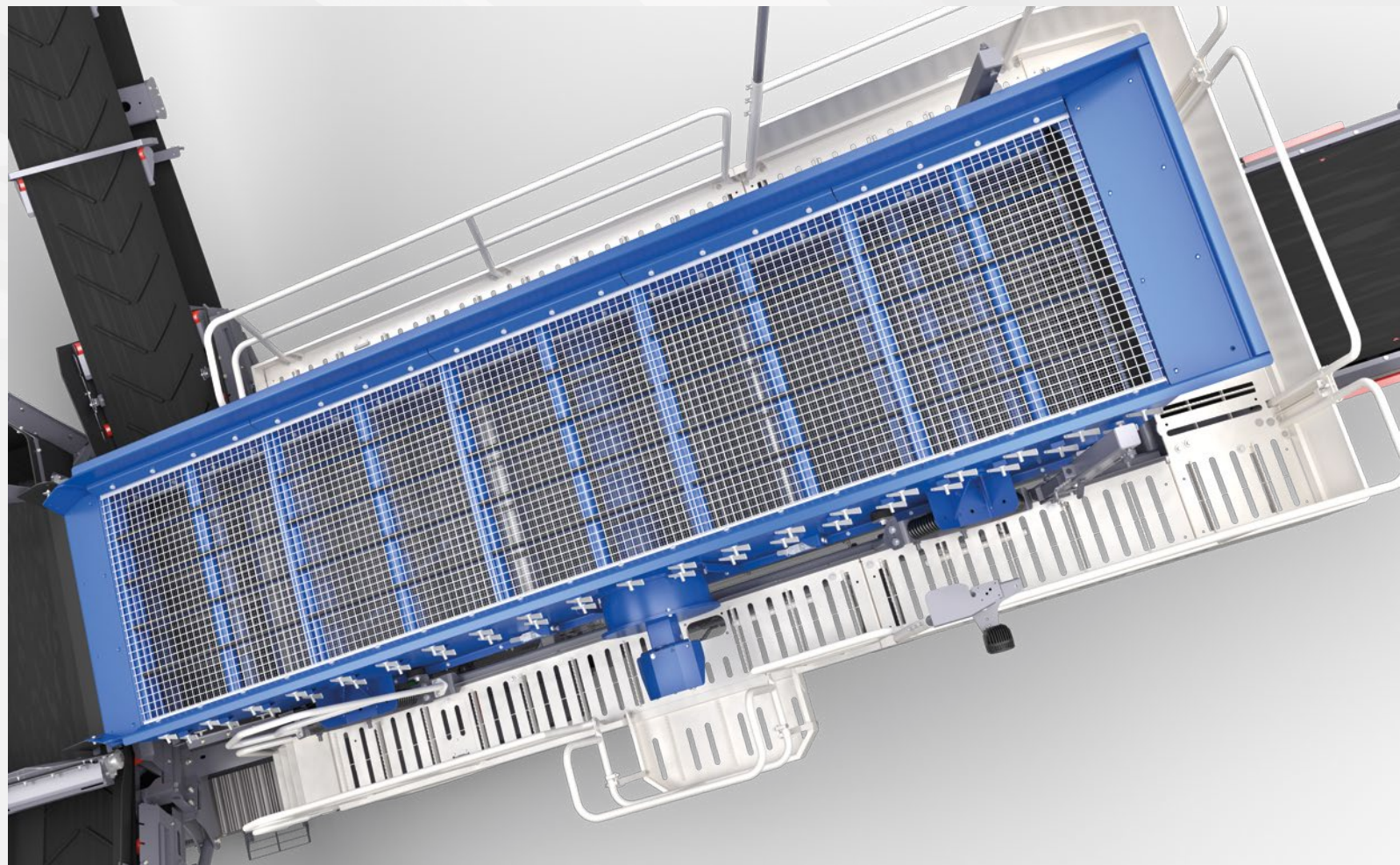
> Material flow

> Handling



3 Screen

- > High screening efficiency thanks to simple adaptation of the screen angle and vibrating amplitude of the screen casing to the feed material properties
- > Two plant sizes with screening surfaces of 7 or 9.5 m² to meet maximum performance requirements
- > The screening surface is easy to change thanks to good accessibility
- > Large selection of screen media⁺ for all decks with different mesh widths; beater cords⁺ for use with sticky material



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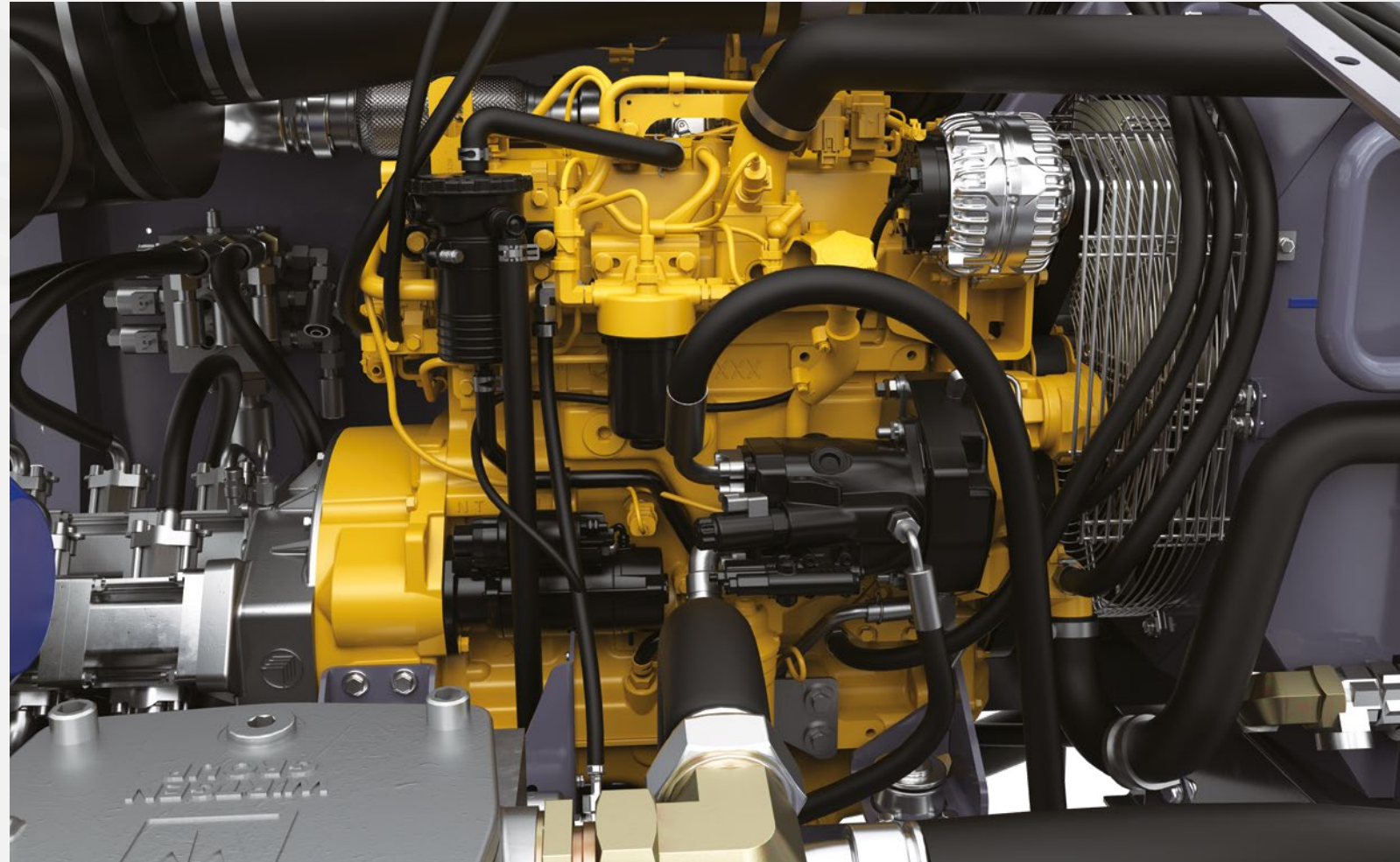
> Material flow

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4 Drive

- > Well-thought-out hydraulics concept for efficient power transmission and reduced operating costs
- > Start-stop system⁺ for optimised consumption when idling
- > 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



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5 Control system

- > 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⁺ for comfortable control of the driving function, the hopper discharge conveyor and the foldable slotted grate
- > Automatic start & stop for a quick and easy start of production and safe stopping
- > John Deere Operations Center™: a platform for digital solutions to optimise processes, machines and services, and to simplify maintenance planning
- > SPECTIVE CONNECT⁺ displays all important machine information and the current status of material stockpiles (stockpile monitoring) directly on your smartphone



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> Material flow

- > Optimised material flow thanks to increasing feed hopper width, effective transfer to the extra-wide feeding conveyor
- > Dosing flap on the hopper unit, which is either lockable or can be adjusted using weights, ensures a continuous material flow
- > Robust impact plate on the feeding conveyor distributes material evenly on the screening surface
- > Overbelt magnetic separator above the feeding conveyor enables reliable extraction of magnetic components from the feed material
- > High discharge heights and therefore higher stockpiles, hydraulic port⁺ for operating a stacker, resulting in reduced use of the wheel loader
- > Conveying speed of all side discharge conveyors, the hopper discharge conveyor and the transfer conveyor are steplessly adjustable
- > The oversize grain conveyor⁺ can be flexibly configured on the left or right (cannot subsequently be changed)
- > Line coupling⁺ 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. Also available in a wireless version
- > The stockpile probe required for process coupling can be mounted on any discharge conveyor or on all discharge conveyors simultaneously, for more flexibility in application



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> **Safety & ergonomics**

- > Quick and convenient service possible due to very good accessibility to all maintenance-related components
- > All function- and safety-related hydraulic cylinders are equipped with lowering brake valves; in the event of shutdown or malfunction, the cylinders remain in their current position
- > Long and wide work platforms; horizontally adjustable screen casing for ergonomic changing of the screen surfaces in the lower deck
- > Increased air intake⁺ for longer filter life
- > Automatic air filter monitoring for longer change intervals
- > Standard-compliant LED lighting included in the basic package; premium lighting⁺ available for extended illumination of the material flow and transfer points
- > Start-stop system⁺ for optimised consumption in idle phases
- > Dust-reduction through water spraying system⁺, belt covers⁺ on the feeding and fine-grain conveyors, and a dust protection on the upper deck feeding conveyor

> **Transport**

- > Space-saving transport position and ample ground clearance for easy transport
- > Stepless speed control of the crawler carrier chain ensures precise loading and positioning
- > Quick and easy conversion from transport to working mode and back again



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TECHNICAL INFORMATION	MSC 702 EVO	MSC 703 EVO	MSC 952 EVO	MSC 953 EVO
Type	Classifying screen	Classifying screen	Classifying screen	Classifying screen
Screen decks	2	3	2	3
Screening surface (mm)	1,550 x 4,500	1,550 x 4,500	1,550 x 6,100	1,550 x 6,100
Transport weight of basic plant - max. configuration (kg)	30,500 - 38,000	33,500 - 41,000	33,000 - 40,500	37,000 - 44,500



KLEEMANN GmbH

Manfred-Wörner-Str. 160
73037 Göppingen
Germany

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

 **www.kleemann.info**