

Technical information

MOBISCREEN MSC 952 EVO

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Track-driven screening plants

Use in natural stone and recycling

MOBISCREEN MSC EVO

Series

HIGHLIGHTS

- > Classifying screening plant
- > Mobile double-deck screening unit (MSC 952 EVO)/
triple deck screening unit (MSC 953 EVO)
- > Screen casing size 9.5 m²
- > H-DRIVE diesel-hydraulic drive
- > Maximum feed size 160 x 100 x 60 mm

Mobile classifying screening plants MOBISCREEN MSC EVO

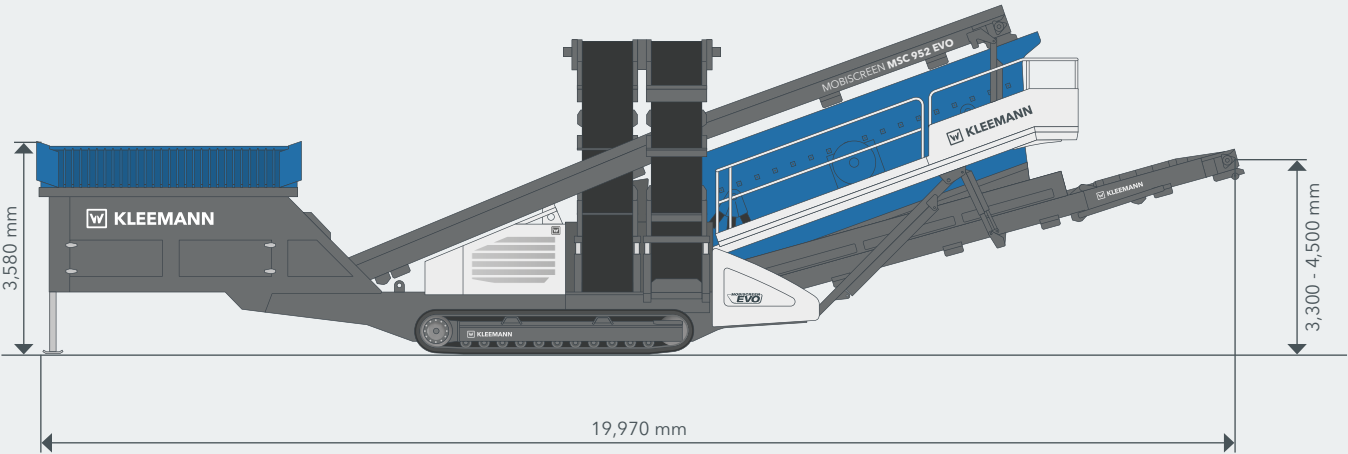
The mobile screening plants MOBISCREEN MSC 952/953 EVO are equipped with a 9.5 m² screen casing. The double- or triple-deck classifying screens impress with a feed capacity of up to 500 t/h and thus meet the highest output demands.



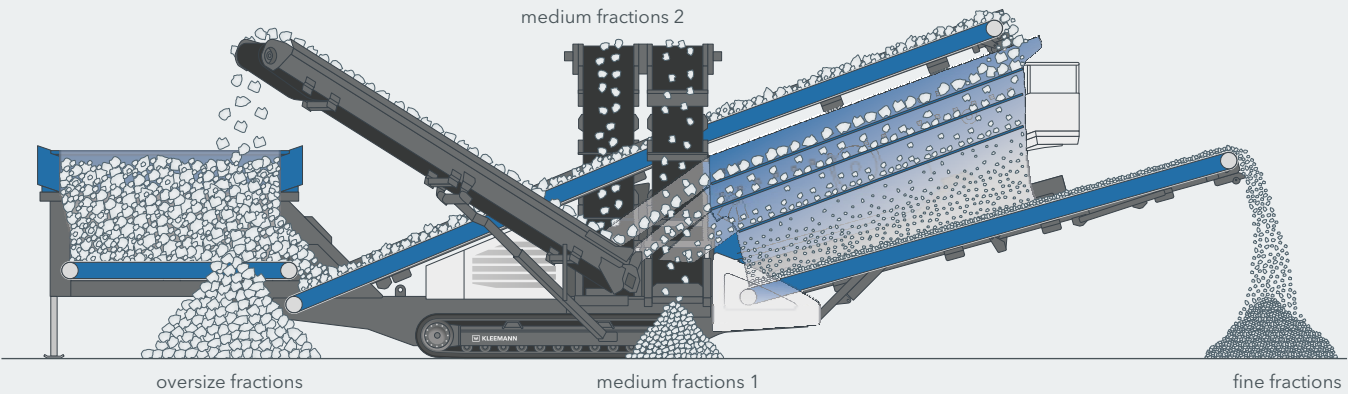
TECHNICAL DATA	MSC 952 EVO	MSC 953 EVO
Feeding unit		
Feed capacity up to approx. (t/h)	500	500
Max. feed size (mm)	160 x 100 x 60	160 x 100 x 60
Feed height - foldable slotted grate (mm)	3,580	3,580
Hopper volume (m³)	8	8
Hopper discharge conveyor		
Width x Length (mm)	1,200 x 3,500	1,200 x 3,500
Feeding conveyor		
Width x Length (mm)	1,200 x 12,000	1,200 x 12,000
Screening unit		
Type	Double-deck classifying screen	Triple-deck classifying screen
Width x Length (mm)	1,550 x 6,100	1,550 x 6,100
Fine grain discharge conveyor		
Width x length (extended) (mm)	1,200 x 8,100	1,200 x 8,100
Discharge height approx. (mm)	3,300 - 4,500	3,300 - 4,500
Discharge conveyor overflow lower deck (medium grain)		
Width x Length (mm)	800 x 10,200	800 x 10,200
Discharge height approx. (mm)	5,000	5,000
Discharge conveyor overflow centre deck (medium grain)		
Width x Length (mm)	-	800 x 10,200
Discharge height approx. (mm)	-	5,000
Transfer conveyor		
Width x Length (mm)	-	650 x 1,800
Discharge conveyor overflow upper deck (oversize grain)		
Width x Length (mm)	800 x 10,200	500 x 8,900
Discharge height approx. (mm)	5,000	5,020
Power supply unit		
Drive concept	diesel-hydraulic	diesel-hydraulic
Power pack manufacturer	John Deere	John Deere
Power supply unit output (kW)	94 - 98 ¹⁾	94 - 98 ¹⁾
Transport position dimensions		
Height approx. (mm)	3,385	3,385
Length approx. (mm)	17,960	17,960
Width approx. (mm)	3,000	3,200
Transport weight basic system - max. equipment approx. (kg)	33,000 - 40,500	37,000 - 44,500

¹⁾ depending on respective exhaust gas standard

OPERATING POSITION MSC 952 EVO



MATERIAL FLOW MSC 953 EVO



Thanks to compact transport dimensions, short set-up times and a large selection of screen surfaces, the classifying screening plants MSC EVO can be used flexibly. For efficient processing of large volumes, the design of the material flow has been optimised: starting with the feed hopper that widens in the material direction of flow, to the wide feeding conveyor and on to the generously

dimensioned screening surface. Operation is via an intuitive mobile operating device that can be inserted at three points on the machine. All functions can therefore be controlled simply from a safe distance and operating statuses and machine functions can be viewed easily at all times.

STANDARD EQUIPMENT

- > Double-deck classifying screen (MSC 952 EVO), Triple-deck classifying screen (MSC 953 EVO)
- > Hopper unit 8 m³
- > Dosing flap on hopper unit for continuous material flow
- > Foldable slotted grate, gap width 100 mm, hydraulic folding (remote control, small)
- > Feeding conveyor, smooth belt with flat scraper
- > Removable, wired machine control system used for controlling all driving and movement functions, adapting settings and reading out machine data and troubleshooting aids
- > John Deere Operations Center™: platform for digital solutions for optimising processes, machines and services – and to simplify maintenance planning
- > Standard-compliant lighting concept for illuminating the work platforms and the chain drives when in motion

OPTIONS

- > SPECTIVE CONNECT displays all important machine information along with the current status of material stockpiles (stockpile monitoring) directly on your smartphone
- > Hopper unit 10 m³
- > Vibrating slotted grate, middle gap width in the upper deck: 110 mm, lower deck optionally covered with square mesh
- > Cleated feeding conveyor prevents the feed material from rolling back when there is a low or no fine and medium grain content
- > An additional head scraper is mounted on the feeding conveyor (if no chevron is installed)
- > Feeding conveyor anti-rollback device prevents the material from rolling back when there is a low or no fine and medium grain content

OPTIONS

- > Screen blankets prevent feed material from jumping over from the upper deck
- > Oversize grain conveyor of the MSC 953 EVO can be configured on the left or right (retrofit not possible)
- > An overbelt magnetic separator reliably extracts magnetic components from the feed material
- > Belt cover for the feeding conveyor or fine grain discharge conveyor
- > External power supply – for efficient mains operation, possible to change between two energy sources: own propulsion (diesel engine) or external power supply
- > Start-stop system for low consumption in idle phases
- > Radio remote control: crawler chassis, automatic folding function of the slotted grate, hopper discharge conveyor On/Off and speed setting, emergency stop
- > Remote control for foldable slotted grate, in addition to cable control (omitted if plant has radio remote control)
- > Line coupling for interlinking with other KLEEMANN plants, also available as wireless version
- > Large selection of screen media for all decks with different clear mesh sizes
- > Straps with screen beaters for use with sticky material
- > Water spray system for dust reduction
- > Raised engine air intake reduces dust
- > Dust seal between feeding conveyor and screen box reduces dust emissions and improves protection against flying rock on the upper deck
- > Premium lighting for extended illumination of the material flow (transfer points and stockpiles)
- > Storage compartment for tools and spare parts (cannot be combined with external power feed)
- > Breakaway cords on all relevant conveyor belts
- > Additional hydraulic connection for operating a stockpile belt
- > Upgrade kit for wet classification (only MSC 953 EVO)

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