

Technical information

MOBISCREEN MSS 1102 PRO



Track-mounted screening plant

For use in natural stone

MOBISCREEN MSS PRO

Series

HIGHLIGHTS

- > Screen for coarse elements
- > Mobile double-deck screening unit
- > H-DRIVE diesel-hydraulic drive
- > Maximum feed size 35" x 22" x 13"

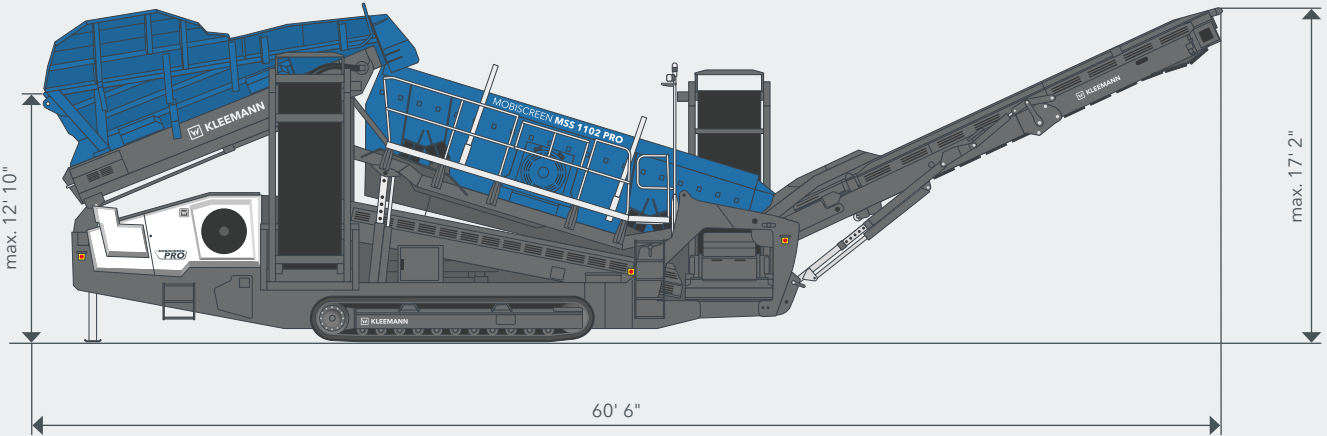
MOBISCREEN MSS 1102 PRO mobile coarse screening plant

The MOBISCREEN MSS 1102 PRO mobile screening plant is used as a scalping screen – mainly in quarries and for large-scale earth-moving projects. The comprehensive range of screen media and easy setting of the screening parameters enable the screening plant to be easily adapted to new operating conditions. Operation is convenient via a modern control system. Maintenance work can be carried out easily thanks to good accessibility.

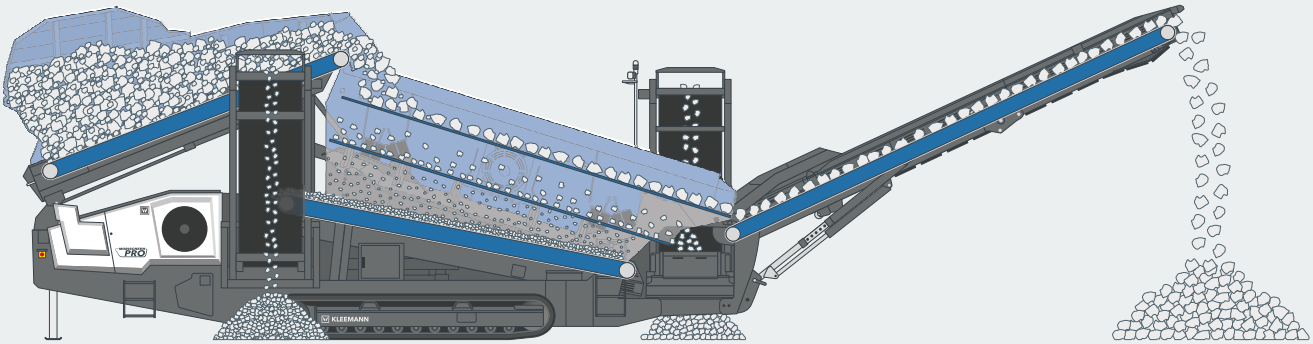


| TECHNICAL DATA | MSS 1102 PRO |
|--|-----------------------------|
| Feeding unit | |
| Feed capacity up to approx. (US t/h) | 827 |
| Max. feed size | 35" x 22" x 13" |
| Feed height approx. | 12' 10" |
| Hopper volume (yd³) | 16.1 |
| Hopper discharge conveyor | |
| Width x length | 56" x 14' 9" |
| Screening unit | |
| Type | Double-deck scalping screen |
| Top deck width x length | 6' x 20' |
| Bottom deck width x length | 6' x 17' 7" |
| Fine grain conveyor | |
| Width x length | 56" x 17' 6" |
| Fine grain discharger conveyor | |
| Width x length | 40" x 27' 1" |
| Discharge height approx. | 10' 1" - 13' 7" |
| Discharge conveyor for medium grain | |
| Width x length | 40" x 27' 1" |
| Discharge height approx. | 9' 7" - 13' 1" |
| Discharge conveyor for oversize grain | |
| Width x length | 63" x 24' 9" |
| Discharge height approx. | 10' 6" - 16' 2" |
| Power supply unit | |
| Drive concept | diesel-hydraulic |
| Power pack manufacturer | John Deere |
| Power supply unit output (hp) | 220 |
| Transport position dimensions | |
| Height approx. | 11' 9" |
| Length approx. | 59' 11" |
| Width approx. | 9' 10" |
| Transport weight of basic plant - max. equipment approx. (lbs) | 83,850 - 101,550 |

OPERATING POSITION



MATERIAL FLOW



With its robust construction, the MSS 1102 PRO is designed for high feed capacities of up to 827 US t /h. A generously dimensioned feed hopper, an impressive screening surface of 120 ft² 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.

STANDARD EQUIPMENT

- > Double-deck screening unit
- > Generously dimensioned hopper unit, hydraulically foldable
- > Feeding conveyor, smooth belt
- > Simple conversion from 3 to 2 final grain sizes
- > 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 optimizing processes, machines and services – and to simplify maintenance planning
- > Lighting concept in compliance with standards for lighting work platforms, the operator's position and crawler carrier chains in driving operation
- > Support feet ensure stability during operation

OPTIONS

- > Hopper filling aids for rear loading (removable) with a wheel loader
- > SPECTIVE CONNECT for displaying all important machine information directly on the smartphone
- > SPECTIVE radio remote control: Crawler chassis, control of all setting functions, hopper discharge conveyor ON/OFF and speed setting, emergency stop and further operating functions such as a water spray system

OPTIONS

- > Apron feeder for feeding very coarse material
- > Side discharge conveyors with mirror-image configuration
- > Screen blanket or chain curtain reduces the speed of the feed material; can be installed on feeding or discharge side or in both positions of the screen casing
- > Cleaning brush for the apron feeder
- > Release cords on conveyor belts for safe stopping in the event of an emergency
- > Diesel refuelling pump: hose system incl. pump
- > External power supply – for efficient mains operation, possibility to change between two energy sources: Own propulsion (diesel engine) or external power supply
- > Line coupling for interlinking with other KLEEMANN plants, also available in a wireless version
- > Large selection of screen media for all decks, individual configuration option for the individual screen segments
- > Straps with screen beaters for use with sticky material
- > Electric water pump for autonomous supply of the water spray system
- > Premium lighting for extended illumination of the material flow (transfer points and stockpiles)
- > Welded-on wear lining made of wear-resistant steel (KRS)
- > Additional hydraulic connection for connection of a stockpile conveyor



Economic operation of the machine also requires choosing the correct wear parts. KLEEMANN original parts are ideally tuned to the requirements of users and machines. Thanks to our application know-how and expert advice, we help our customers to find the optimal wear part for their individual application. Further information: parts.wirtgen-group.com

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