

maskin mekano

**S 1803**





## Mobile productivity, the new chapter

We are finally able to present a mobile fine screening station that will match the output capacity of modern crushing plants. The screen does have the capacity to handle a huge material flow, but also has the scalping accuracy that will meet all requirements.

The screen-box is designed in cooperation with Skako. The screening area is almost 11 m<sup>2</sup> on each deck, but the overall format is still manageable.

The operating costs are the lowest in the market thanks to the electrical drive. All solutions in the machine are developed with the operator in mind, taking user-friendliness to the next level.







## Heavy-duty chassis

The S 1803 is mounted on a sturdy chassis construction of welded girders on a triple bogie. A strong structure that provides exceptional operation and towing stability. During operation the plant rests on six individual hydraulic jacking legs. The screen and the onboard catwalks are placed on a rugged foldable bridge which is lowered for transport or when changing meshes.

## The SFI 3-108 screen

Sorting is carried out in a new screen box designed by Maskin Mekano in collaboration with Skako. The triple deck single axle screen box is two bearing with a screening surface on each deck of 6x1.8 m. It has a powerful circular stroke (9 mm), a 18° incline and operates at scarcely 960 rpm.

The upper deck is side tensioned and the lower decks are end tensioned. Accessibility to the screen box for ease of maintenance and change of meshes is further enhanced by a new construction of the chutes, which are mounted on a sliding unit. Changing meshes is performed when the screen is levelled horizontally, so the rear catwalk can be used for access to the rear end.

## Smooth stockpiling

The S 1803 is fitted with four onboard conveyors for great stockpiling capability. All conveyors are fully integrated and hydraulically folded without any twisting of belts, set-up time is less than 10 minutes. The motorized pulleys are gummed for operating security even in bad weather.

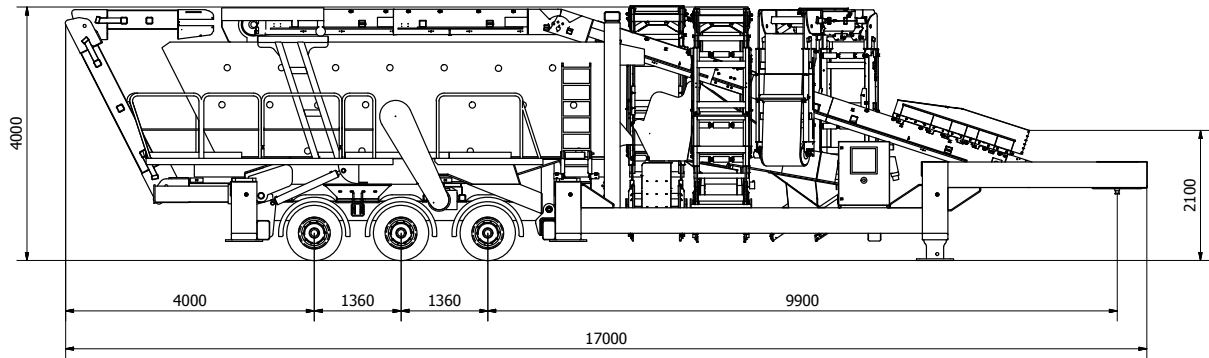
## Electric drive for low costs and security

All Maskin Mekano plants are electrically driven which means their diesel consumption is up to 60% lower than hydraulically driven plants. Noise impact is reduced to a minimum. The electrical cabinet is fitted with sockets for interlocking with crusher or extra conveyors, providing possibility to stop these units via the emergency stops on the S 1803.

## Safe investment

Because of the rugged construction a Maskin Mekano plant keeps the value like no other plant. The outstanding capacity and low operating costs make the investment profitable. The high second-hand value makes it safe. All wear and spare parts are stored in Jönköping and all customers are given professional advice and support from our service engineers.





### Technical Specification Maskin Mekano S 1803

<i>Transport Length</i>	17.0 m
<i>Transport Width</i>	3.0 m
<i>Transport Height</i>	4.0 m
<i>Machine Weight</i>	approx. 32.0 tonnes (not including Dieselgenerator set)
<i>Screenbox</i>	SFI 3-108 Screening surface 1.8 x 6.0 m on three decks Single axle 18° incline Electric motor 22.0 kW
<i>Main conveyor</i>	Width 1200 mm Length 11.0 m Electric drum motor 7.5 kW
<i>Side conveyors</i>	Belt width 650 mm Length 9.0 m Electric drum motor 4.0 kW
<i>Rear conveyor</i>	Belt width 1600 mm Length 11.0 m Electric drum motor 5.5 kW
<i>Electric equipment</i>	Distribution box with safety breaker, safety disconnection breaker, emergency stop, preregulator as well as extra motor socket. Power inlet with 125 A CEE-device
<i>Hydraulic equipment</i>	Hydraulic aggregate for setting up and folding of the conveyors. Motor 4.0 kW
<i>Wheel- and towing device</i>	Tripla axel bogie with brakes and plate spring. Wheel dimension 22.5/65/385, 10 bolt. Towing device, 2" kingping.