

maskin mekano

SH 1203

MOBILE FINAL SCREEN



Maximum screening performance in a handy format

Maskin Mekano is the market leader in mobile precision screening. Our unique STE screen combines high capacity with exceptional quality in the final product. Allowing the screen to become the bottleneck in your plant is both unnecessary and costly. A high-performance screen is the key to a profitable end product.

The SH 1203 is a mobile triple-deck screening station, particularly well-suited for the classification of asphalt materials or other fractions where high capacity and sharp screening curves are essential. It excels when screening very fine materials—or when the material is moist. The aggressive stroke of the STE screen delivers clean separation where many other screens fall short.

Thanks to its high support legs, keeping the area around the machine clean and tidy is easy. Its compact design allows the SH 1203 to be positioned exactly where you need to improve your screening results.

User-Friendly, Safe, and Sustainable

In addition, the SH 1203 is packed with user-friendly and safety-focused solutions to ensure a smoother, less hazardous work environment for operators.

Its low energy consumption makes the investment both economically sound and climate-smart.

DECKS



3

SCREEN AREA



1.4 X 4.8 (4.6 x 15.7')

WEIGHT



21.000

TRANSPORT



Trailer-optimized

CONSUMPTION



20 kW

SET UP TIME



10 Min



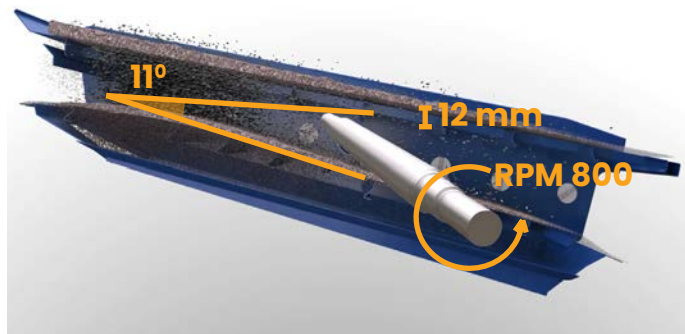




Screen STE 3-67

The STE 3-67 is a four bearing screen with a strong 12 mm circular stroke and 11° elevation, operating at 800 rpm. It measures 1.4 x 4.8 metres (4.6 x 15.7') on three decks. The STE-screen has an unsurpassed screening ability and responds very well to current clean screening requirements as well as high capacity demands.

The on-board wrap around sturdy cat walks ease inspection and provide maximum accessibility to the screen box. The upper deck screening media is side tensioned, and the feeding conveyor can be risen for a total overview of the upper deck. The chutes in front of the screen box are slideable to facilitate the change of meshes even more. The middle and lower deck are end tensioned and accessible via the rear of the screenbox where a platform comes in handy. There are covered inspection panels in the sides of the screen box for inspection. The lower deck can be installed with ball deck.



FEATURE

Powerful stroke

EFFECT

Effective stratification

RESULT

High capacity

Shallow inclination

Effective separation

High quality

The Vibroblock concept

The Maskin Mekano Vibroblock concept means the screen box is mounted on a vibration damped frame which prevents the vibrations from the screen from transmitting to the chassis. This saves the entire plant from damages caused by vibration, whilst the screening motion remains efficient. The Vibroblock design allows the STE screen to operate with the capacity of a four bearing screen as smooth as a two bearing screen, and keeps the power in the screen-box where it belongs.

Feeding

The feeding conveyor is wide in order to present an optimal spread across the screen. The feed-in-height in the highest operation level is 3.7 m (10.5'), but it is easily adjusted with the jacking legs.





Stockpiling

The SH 1203 is fitted with four hydraulically foldable on board stockpiling conveyors. Folding is performed without any twisting of belts and without any manual handling, which reduces set-up time. All drum motors are cambered and gummed.

Construction

The SH 1203 is mounted on a sturdy chassis. The four jacking legs are raised and lowered hydraulically, so the area around the plant is easy to keep clean. They also facilitate loading on a trailer. SH 1203 is fitted with big rubber wheels for towing on site, and there is a hook for handling placed in the rear, which makes it simple to place the screen under feeding conveyors or a crusher conveyor. For maximum operator security there are fully integrated stairs, hydraulically folded, with handrails and there are solid on board catwalks.

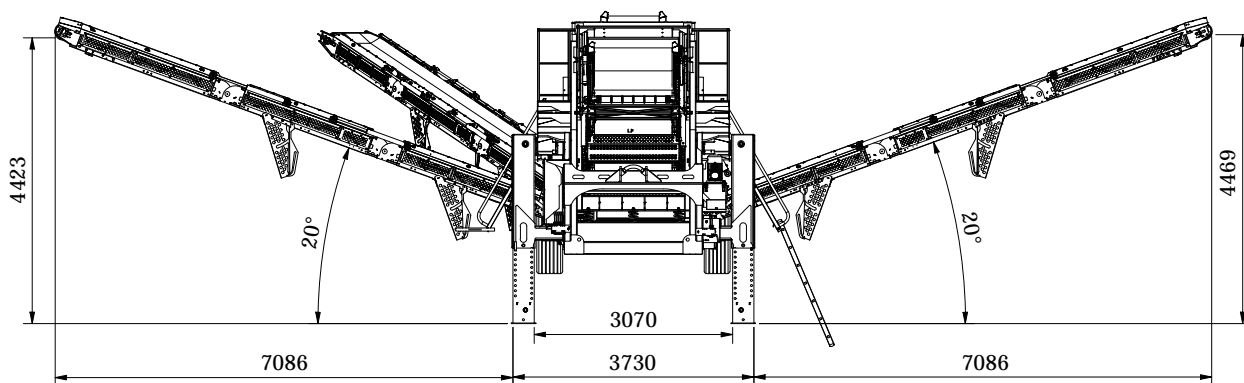
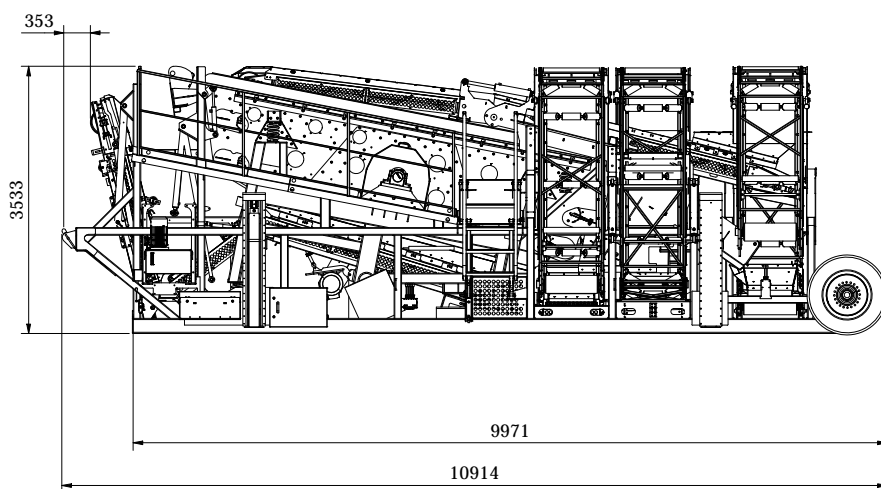
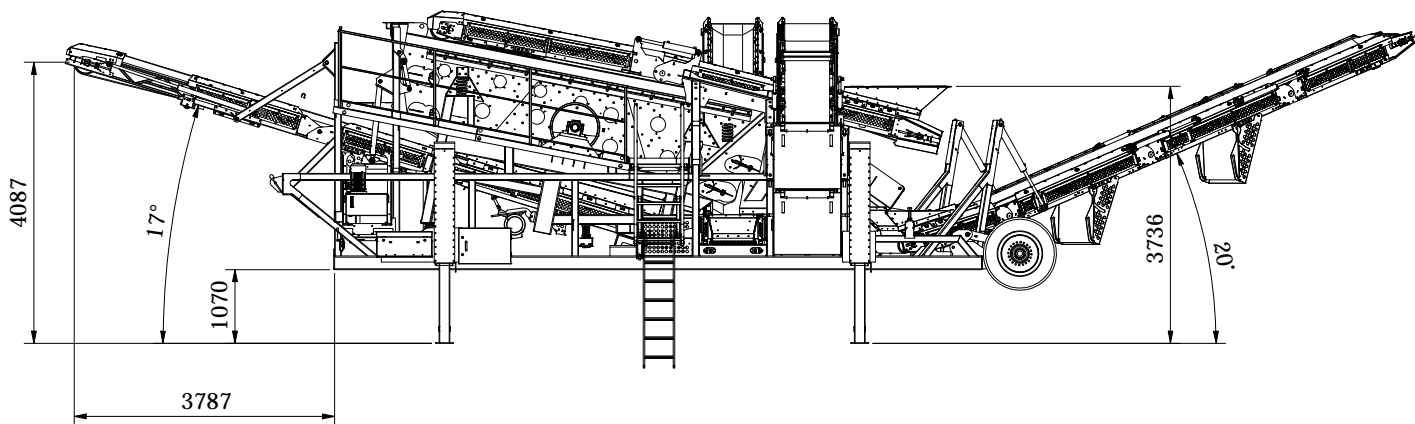
Electric drive for low costs

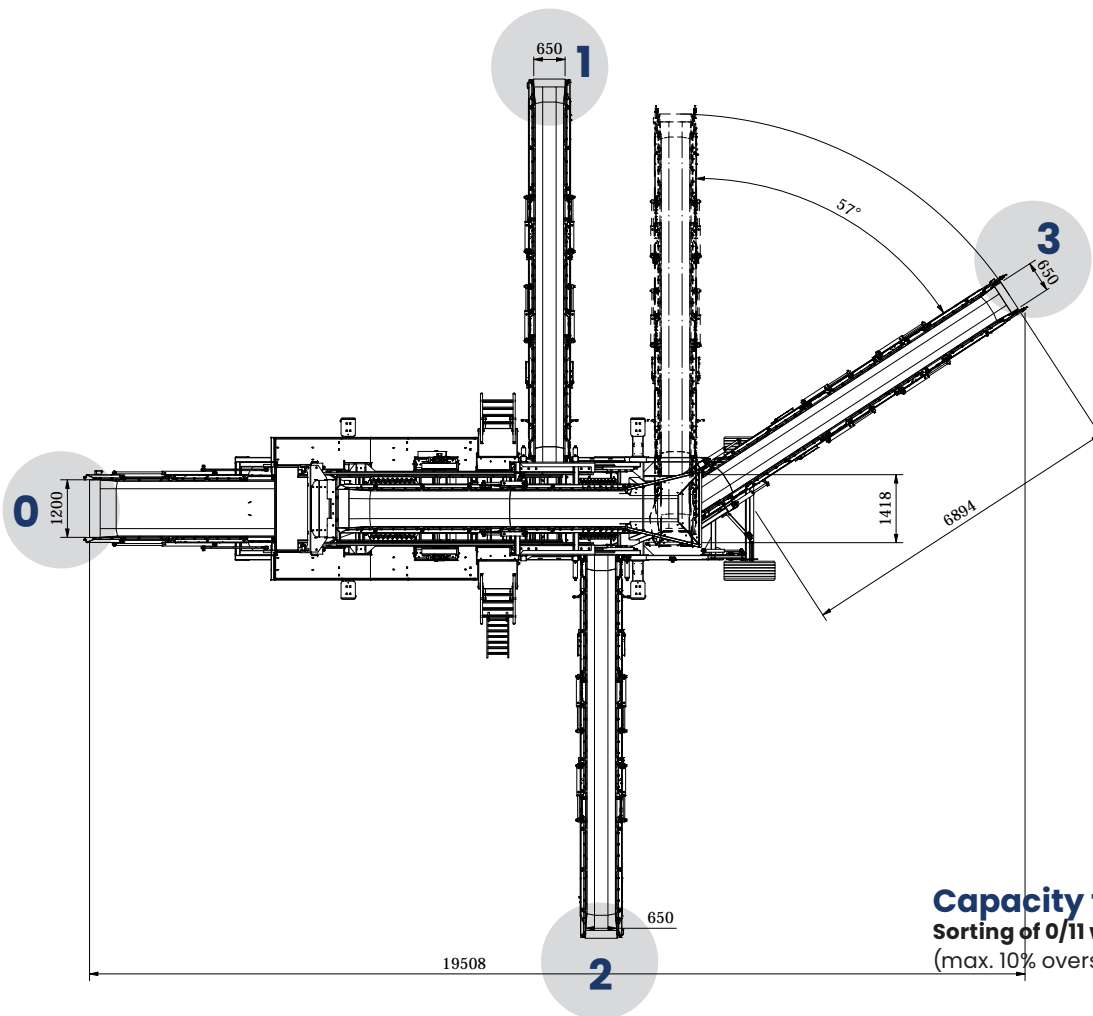
All Maskin Mekano plants are electrically driven. Hydraulics is only used for linear motions (such as jacking legs, catwalks and folding of conveyors) which reduces the risk of harmful leakages of hydraulic oil to a minimum. Compared to hydraulically driven screeners the CO₂-emission is reduced with 80% and the noise impact is lowered with 10 dB. Electrical drive is not only profitable, it is about our environment and a question of credibility for the crushing- and screening industry.

Profitable 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 advise and support from our service engineers.







Capacity three deck screens*
 Sorting of 0/11 with approved curves
 (max. 10% oversize /15% undersize)

			STE 3-67	STE 3-94
	Size	Share	tonnes/h	tonnes/h
0	0/2	43%	59	83
1	2/4	16%	22	32
2	4/8	24%	34	47
3	8/11	16%	22	32
			138	194

Sorting of 0/16 with approved curves
 (max. 10% oversize /15% undersize)

			STE 3-67	STE 3-94
	Size	Share	tonnes/h	tonnes/h
0	0/4	51%	82	115
1	4/8	21%	34	47
2	8/11	14%	22	32
3	11/16	14%	22	32
			160	225

Sorting of 0/16 with approved curves
 (max. 10% oversize /15% undersize)

			STE 3-67	STE 3-94
	Size	Share	tonnes/h	tonnes/h
0	0/2	37%	59	83
1	2/4	14%	22	32
2	4/8	21%	34	47
3	8/16	28%	45	63
			160	225

*These capacity examples are done in crushed granite, the performance in crushed concrete is similar

Technical Specification Maskin Mekano SH 1203

<i>Transport Length</i>	11.0 m (10.0 m in the lower part)
<i>Transport Width</i>	3.0 m
<i>Transport Height</i>	3.55 m
<i>Machine Weight</i>	approx. 21 tonnes, depending on equipment
<i>Screenbox</i>	STE 3-67 Screening surface 1.4 x 4.8 m on three decks Single axle mechanically controlled with 12 mm stroke 11° incline Motor 11.0 kW, 400 V
<i>Feeding conveyor</i>	Belt width 800 mm Length 7.0 m Drum motor 5.5 kW, 1.25 m/s
<i>Mid size conveyors</i>	Belt width 650 mm Length 9.7 m Drum motor 4.0 kW, 1.0 m/s Height under the drum drive 4.4 m (in elevated mode)
<i>Over size conveyor</i>	Belt width 650 mm Length 9.0 m Drum motor 4.0 kW, 1.0 m/s Height under the drum drive 4.3 m (in elevated mode)
<i>Fines conveyor</i>	Belt width 1200 mm Length 8.0 m Drum motor 5.5 kW, 1 m/s Height under the drum drive 3.9 m (in elevated mode)
<i>Catwalks and ladders</i>	Catwalks and ladders are hydraulically folded Access for changing the screening media provided behind the screen box
<i>Hydraulic equipment</i>	Hydraulic aggregate for folding of conveyors, stairs, and jacking legs. Motor 4.0 kW, 24 V pump
<i>Electric equipment</i>	Distribution box with integrated touchscreen and push buttons, safety breaker, safety disconnection breaker, emergency stop, preregulator as well as extra motor socket. Emergency stops also on conveyors and chassis. Power inlet with 125 A CEE-device
<i>Wheel- and towing device</i>	Hook-lift frame for handling within the work site Optimized for easy trailer loading Hydraulic jacking legs for elevation to production mode

Our policy is one of continuous improvement and we reserve the right to change the detailed specification of our products at any time without prior notice.



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