

maskin mekano

SH 902

MOBILE FINAL SCREEN



Compact, capable and energy-efficient

Fantastic screening capability packed into an incredibly convenient format with superior production economy – let us introduce the SH 902. Built on a hook-lift frame, the SH 902 is easy and inexpensive to move with a hook truck. Its compact design and rubber wheels make it agile on the job site, even in tight spaces. Maskin Mekano's STE screen provides a lot of capacity in relation to its size and is a specialist in screening fine material – even when the weather refuses to cooperate.

All in all, these features make the SH 902 the perfect screener for any recycling application or in a crushing line where space is tight. The power from the crusher can typically drive the fully electric SH 902, which is incredibly energy-efficient.

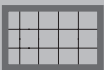
SH 902 – a key player in a green and circular future.

DECKS



2

SCREEN AREA



1.2 X 4.4

WEIGHT



10.500

TRANSPORT



Hook lift

CONSUMPTION



20 kWh

SET UP TIME



10 minutes







Because of the handy format and wide application possibilities the SH 902 will undoubtedly increase the versatility of your fleet of machines. Use it as a standalone screen, together with the crusher, a screening plant or in a stationary production line to split a fraction, instead of stopping the entire application for change of screening meshes.

Screen STE 2-53

The STE 2-53 is a four bearing screen with a strong 12 mm circular stroke and 11° elevation, operating at 800 rpm. It measures 1.2 x 4.4 metres on two decks. The STE-screen has an unsurpassed screening ability and responds very well to current clean screening requirements as well as high capacity demands.

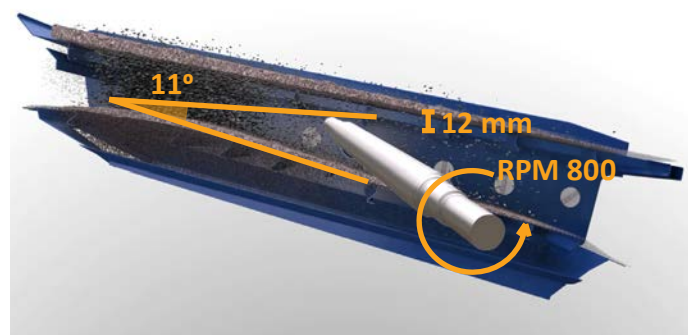
The upper deck screening media is side tensioned, the lower deck is end tensioned and both decks are very accessible. There

are covered inspection panels in the sides of the screen box and platforms with ladders on both sides of the screen for access. The lower deck can be installed with ball deck.

The Vibroblock concept

The Maskin Mekano Vibro Block 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 Vibro Block 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.

STEscreen 



VibroBLOCK 



FEATURE	EFFECT	RESULT
Powerful stroke	Effective stratification	High capacity
Almost horizontal	Effective separation	High quality



Feeding

The feed-in-height in the highest operation level is 3.4 m (11.1'), but it is easily adjusted with the jacking legs.

Stockpiling

The SH 902 is fitted with three 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 902 is mounted on a sturdy chassis. SH 902 is fitted with big rubber wheels for towing on site and it is simple to place the screen under feeding conveyors or a crusher conveyor. The hydraulic jacking legs are used in production mode.

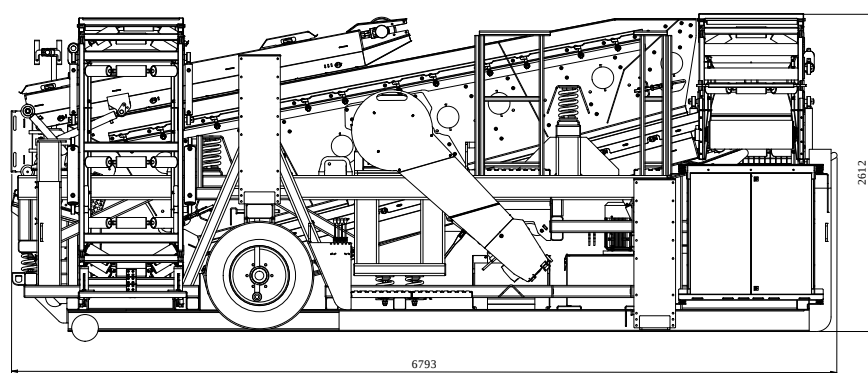
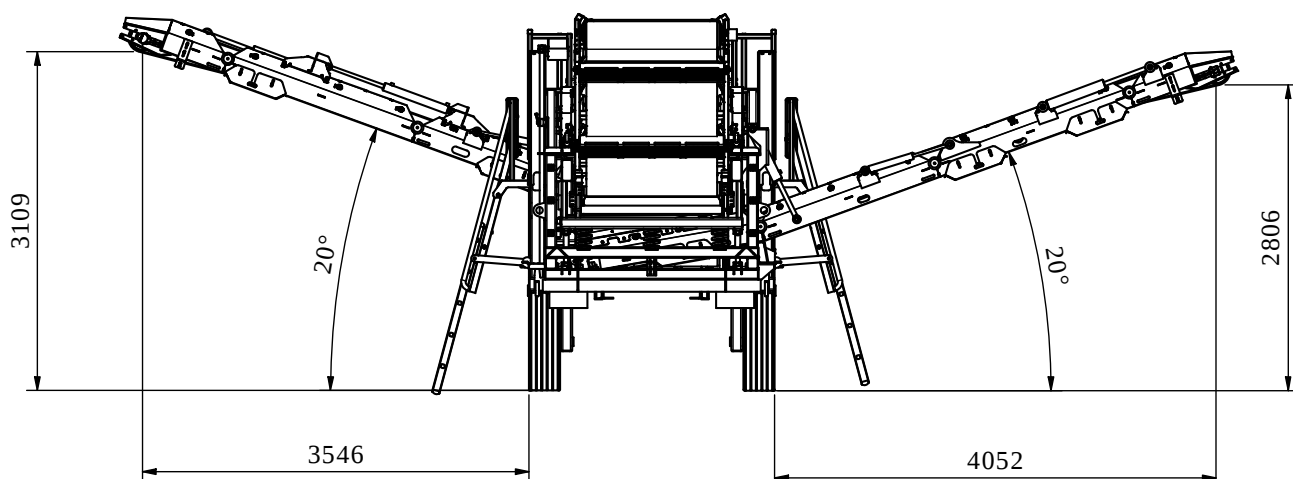
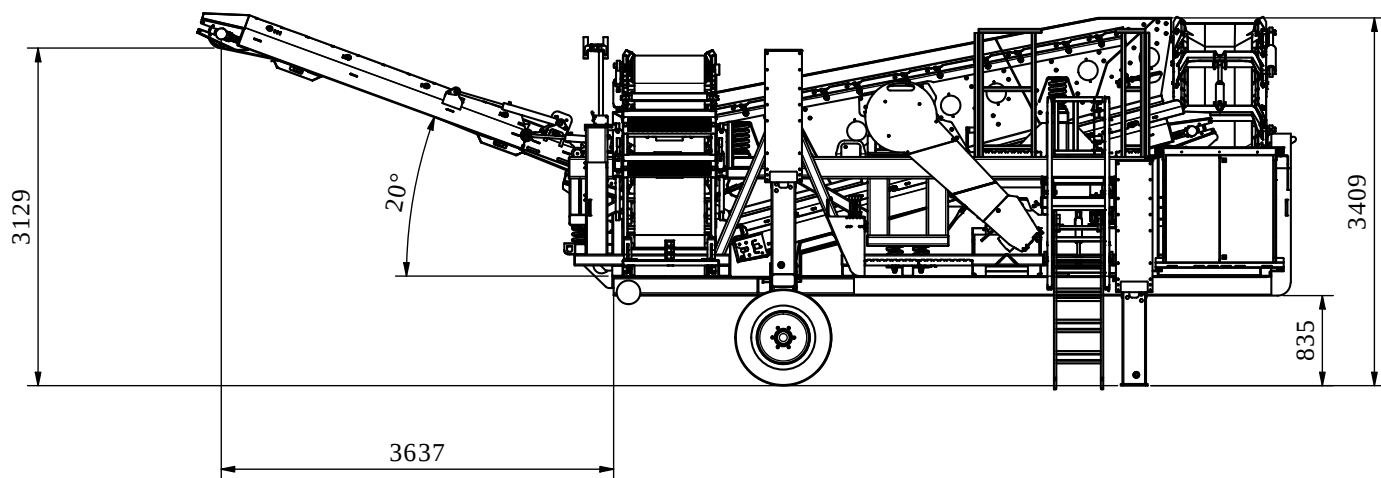
Electric drive for low costs

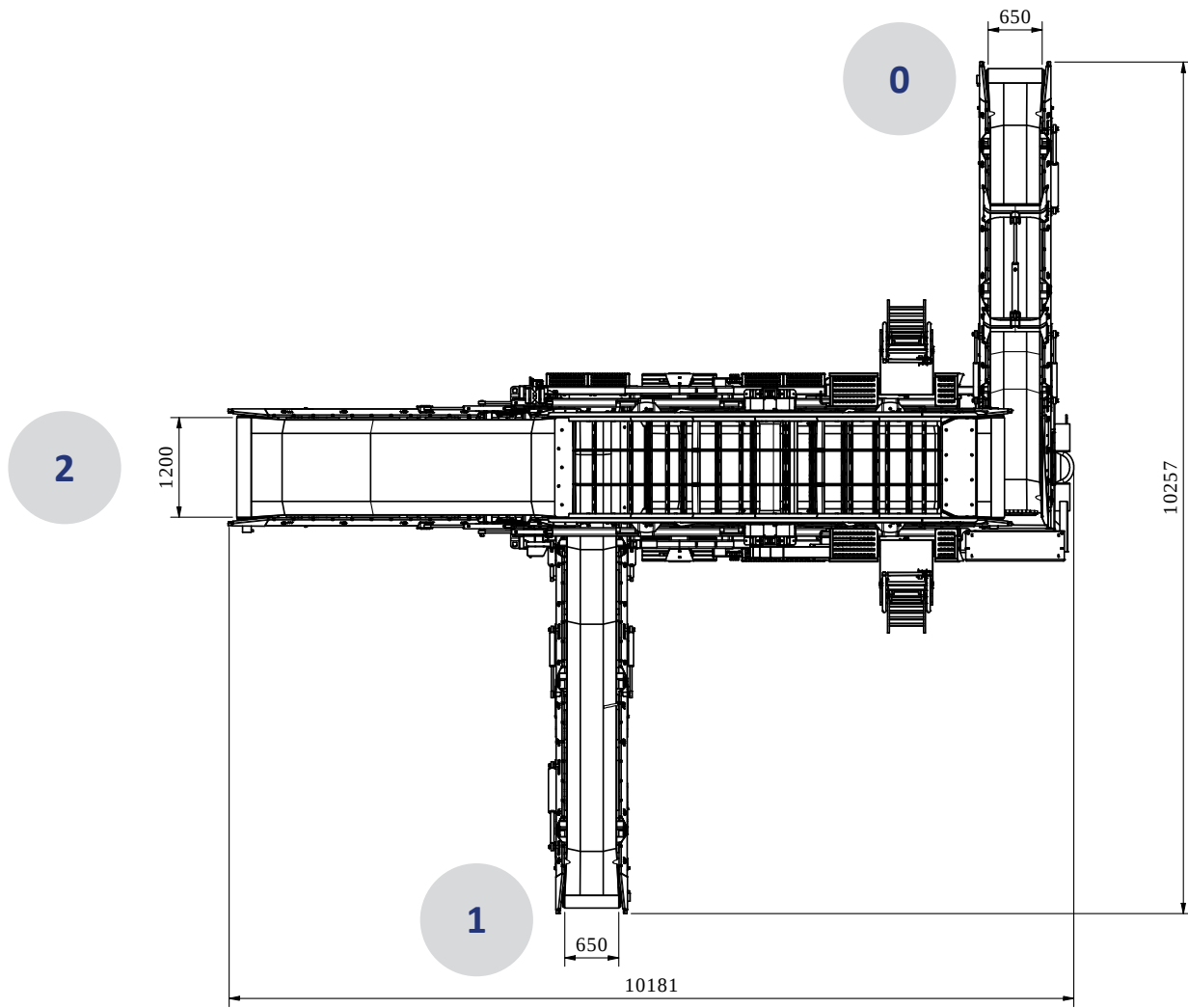
All Maskin Mekano plants are electrically driven which means their diesel consumption is up to 80% lower than hydraulically driven plants. Noise impact is also reduced to a minimum. The electrical cabinet is fitted with sockets for interlocking with crusher or extra conveyors, providing possibility to stop these units via the emergency stops on the SH 902.

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 examples two-deck screens

Sorting of 0/8 with approved curves (max. 10% oversize /15% undersize)

			900-range	1200-range	1500-range
	Size	Share	tonnes/h	tonnes/h	tonnes/h
0	0/2	51%	48	59	83
1	2/4	19%	18	22	32
2	4/8	29%	27	34	47
			94	115	162

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

			900-range	1200-range	1500-range
	Size	Share	tonnes/h	tonnes/h	tonnes/h
0	0/8	72%	94	115	162
1	8/11	14%	18	22	32
2	11/16	14%	18	22	32
			130	160	225

Sorting of 0/32 with approved curves (max. 10% oversize /15% undersize)

			900-range	1200-range	1500-range
	Size	Share	tonnes/h	tonnes/h	tonnes/h
0	0/8	46%	91	114	159
1	8/16	21%	43	53	74
2	16/32	33%	67	83	116
			200	250	350

Technical Specification Maskin Mekano SH 902

<i>Transport Length</i>	6.8 m
<i>Transport Width</i>	2.3 m
<i>Transport Height</i>	2.65 m
<i>Machine Weight</i>	approx. 10.5 tonnes, depending on equipment
<i>Screenbox</i>	STE 2-53 Screening surface 1.2 x 4.4 m on two decks Single axle mechanically controlled with 12 mm stroke 11° incline Motor 11.0 kW, 400 V
<i>Collecting conveyor</i>	Belt width 1200 mm Length 4.3 m Drum motor 3.0 kW, 1 m/s
<i>Fines conveyor</i>	Belt width 650 mm Length 5.6 m Drum motor 3.0 kW, 1.0 m/s Height under the drum drive 3.1 m (in elevated mode)
<i>Mid size conveyor</i>	Belt width 650 mm Length 6.3 m Drum motor 3.0 kW, 1.0 m/s Height under the drum drive 2.9 m (in elevated mode)
<i>Over size conveyor</i>	Belt width 1200 mm Length 9.0 m Drum motor 4.0 kW, 1.0 m/s Height under the drum drive 3.2 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 on chassis 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 63 A CEE-device
<i>Wheel- and towing device</i>	Hook-lift frame Wheels for towing on site 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.

ADVANTAGES OF ALL OUR PLANTS:

CARBON FOOTPRINT



Electric drive
OR low emissions

VIBRATIONFREE



The Vibroblock
concept

SCREEN CAPACITY



Aggressive stroke

NOISE IMPACT



Very low

OPERATOR SAFETY



Protection according
to regulations

OVERVIEW



Touchscreen in
electrical cabinet

MADE IN SWEDEN



maskin mekano

Address: Maskin Mekano AB, Box 9083, 550 09 Jönköping, SWEDEN,

Phone: + 46 36 31 74 00

E-mail: info@maskinmekano.se

www.maskinmekano.se