

maskin mekano

CRUSHING, SCREENING AND RECYCLING



**BOOST YOUR PRODUCTIVITY
-MINIMIZE YOUR CARBON FOOTPRINT**



<p>FOUNDED</p>  <p>1956</p>	<p>OWNERS</p>  <p>Smedenman Family</p>
<p>EMPLOYEES</p>  <p>30</p>	<p>LOCATION</p>  <p>Jönköping, SE</p>
<p>MADE IN SWEDEN</p> 	<p>TURNOVER</p>  <p>15 Million EUR</p>

A family business

Maskin Mekano is a Swedish family-owned company with a long tradition of developing, manufacturing, and delivering crushing and screening plants. Founded in 1956, we have 70 years of experience in providing high-quality equipment for the construction, aggregate, and recycling industries.

Our mission is to deliver solutions that combine efficiency, reliability, and sustainability— helping our customers achieve maximum productivity with minimal environmental impact.

Our products & solutions

Maskin Mekano is proud of its modern range of mobile crushing and screening plants, developed through vast experience, know-how, and close relationships with our customers.

We specialize in mobile, semi mobile and stationary plants, designed with the operator in mind:

- Superior performance – engineered for high capacity and precision
- Electric drive – energy-efficient, cost-effective, and environmentally friendly
- User-friendly design – safe, intuitive, and easy to maintain

All products are continuously developed and improved by our professional engineers to meet the demands of tomorrow's industry. Built in Sweden, they carry the hallmark of Scandinavian quality and durability.

Innovation & The Vibrobloc Concept

Innovation has always been a cornerstone of Maskin Mekano. In 2015, we introduced the remarkable Vibrobloc concept – a groundbreaking solution that set new standards in screening technology.

With the Vibrobloc, the screen box is mounted on a vibration-damped frame that prevents vibrations from being transmitted to the chassis. This innovation protects the entire plant from vibration-related damages, while maintaining highly efficient screening through the aggressive stroke of the Maskin Mekano STE-screens.

This concept ensures longer service life, reduced maintenance, and improved performance – delivering more value to our customers.

Investing in the Future

Maskin Mekano is dedicated to continuously presenting even more productive and user-friendly solutions, pushing mobile crushing and screening equipment one step further into the future.

By focusing on electric drive systems, modular solutions, and customer-driven innovation, we reduce fuel consumption, emissions, and operating costs – making our products the smartest long-term investment.

Our Customers

We serve companies in:

- Crushing & screening – quarrying and aggregates
- Recycling – handling construction waste, excavation material, and other recycled fractions
- Contracting – mobile solutions for on-site crushing and screening

Our customers value us not only for our technology, but also for our commitment to service, spare parts, and long-term partnerships.

Why Choose Maskin Mekano?

- 70 years of expertise in crushing & screening
- Scandinavian-built quality – robust and reliable



- Electric drive for lower operating costs and sustainability
- User-friendly, safe, and efficient designs
- A trusted partner with strong aftermarket support

Let's Grow Together

At Maskin Mekano, we believe in long-term partnerships. Whether you are an end user, contractor, or dealer, you can count on us to deliver solutions that make a difference.

Electric drive since 1980

We manufactured our first electric screening plant already in the 80's and all our plants have been electrically driven the latest 20 years. Some of the plants can be delivered with a diesel generator (either on-board or on a lifting frame), but they can all be plugged in to mains. 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.

As an example the fuel consumption per hour for the ECO6 is 4.5 litres when a diesel generator is used. Compared to hydraulically driven screeners the CO₂-emission is reduced with 75% and the noise impact is lowered with 10 dB. If you run it on mains it uses 22 kWh per hour, which reduces emissions with 84%. Electrical drive is not only profitable, it is about our environment and a question of credibility for the crushing and screening industry.



- **Reduce production costs**
- **Reduce noise impact**
- **Reduce down-time**
- **Reduce carbon footprint**

PRODUCTION EXAMPLE: REDUCING CARBON FOOTPRINT

Machinetype	Consumption	CO ₂	CO ₂ -emission	Reduction
Hydraulically driven plant	18 l/h	3 kg/l	54 kg/h	
Maskin Mekano ECO6, diesel generator	4.5 l/h	3 kg/l	13.5 kg/h	75%
Maskin Mekano ECO6, on mains	22 kW/h	400 g/kWh	8.8 kg/h	84%

THE STE SCREEN

The unique screening technology



Master of fines

Fines separation or final sizing operations are often highly demanding. The purchaser requires clean end fractions that are consistent regardless of external conditions as weather and dampness. Even when the crushing is carried out perfectly and the material is ever so cubical, a poor final screen is devastating. The Swedish manufacturer Maskin Mekano possesses an unique screen box design, the STE screen, well-known for its superior efficiency in relation to screening area. The Maskin Mekano STE range is designed to enable screening with high accuracy in conjunction with high capacity. The secret is a powerful stroke combined with low inclination.

A powerful stroke provides fast and effective stratification, i.e. the division of the material flow into beds of different particle sizes. So the fines material cascades to the lower end and is sieved through the screening media. As an aggressive stroke boosts the capacity the STE screen operates with a 12 mm stroke.

A slow material transportation over the screening media is required to achieve clean end fractions, as the near-size particles need to be exposed to the meshes sufficiently. Consequently the STE screen is almost horizontal, with an inclination of 11°. This allows for accurate separation of fine and short fractions like 0-2, 2-4, 4-8, 8-11 and 11-16.

FEATURE

Powerful stroke

EFFECT

Effective stratification

RESULT

High capacity

Flat inclination

Effective separation

High quality

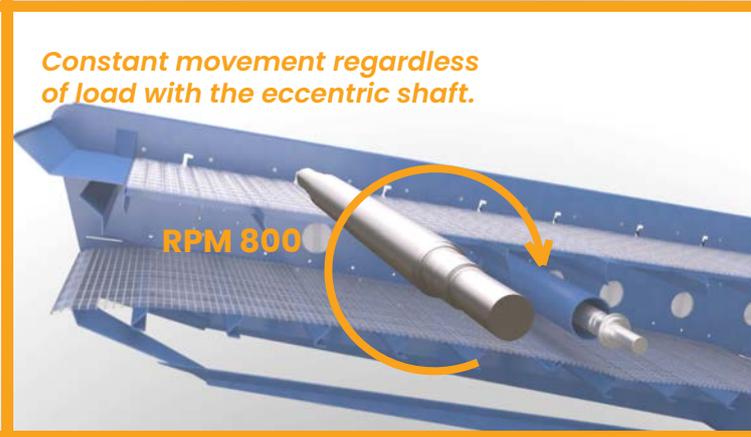
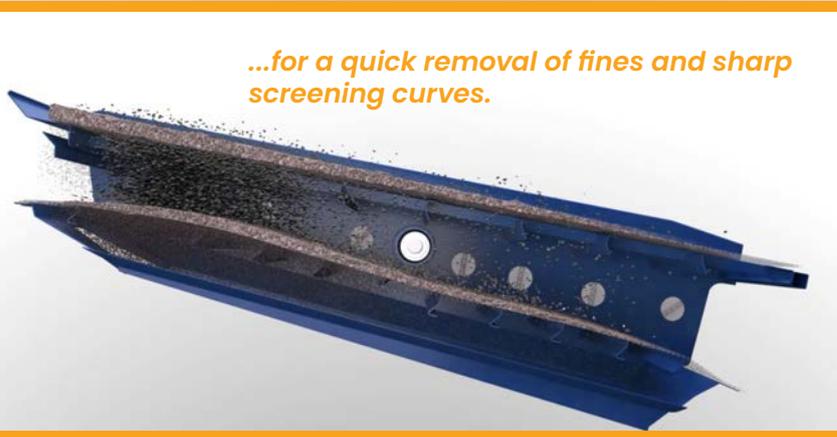




A powerful stroke...



in combination with a flat inclination,



= Superior and reliable screening results in all kinds of weather with the STE screen

VIBROBLOCK

Preserve the power, prevent vibration damage

The STE screen is four bearing so the rpm and stroke remain the same regardless of load. This provides a consistent screening result and a predictable behaviour. When conditions change a need for calibration often occurs, e.g. when material freezes in the screening box or meshes are swapped from lightweight to heavier. With Vibrobloc this is no longer necessary.

With the Vibrobloc concept 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 Vibrobloc design allows the STE screen to operate with the capacity of a four bearing screen as smooth as a two bearing screen.



The Vibrobloc design features the screen box and motor mounted on vibration damped frame. This allows us to fully make use of the STE screen with its powerful stroke and prevent vibrations transmitting via the chassis to other sensitive components. Thus unequalled operation reliability is ensured without any sacrificing of screening performance.

COMPACT SCREENERS

ECO1

Recycle on site



DECKS	SCREEN AREA	TRANSPORT
		
1	1.2 x 2.2	
CONSUMPTION	SET UP	WEIGHT
		
7 kW	2.2 l/h	3 Min
		8.500 KG

TRANSPORT LENGTH: 6.8 m/22.3'
TRANSPORT WIDTH: 2.2 m/7.4'
TRANSPORT HEIGHT: 2.7 m/8.8'

As an entrepreneur in today's circular economy, you have the chance to broaden your services and manage your materials in a smarter way. There is no faster way to increase the value of a material than by sorting it. With your own screening plant that is mobile, cost-efficient, and easy to start up, you can boost your profitability while becoming a key player in building a more sustainable world.

- Small foot-print
- Sturdy vibrating feeder
- Quick and easy change of meshes
- On-board diesel generator (Stage V)
- Two foldable stockpiling conveyors
- Wheels for towing on site



ECO2



DECKS SCREEN AREA TRANSPORT



2



1.2 x 2.2



CONSUMPTION



8 kW



2.5 l/h

SET UP



3 Min

WEIGHT



10.000

TRANSPORT LENGTH: 6.6 m/21.8'

TRANSPORT WIDTH: 2.3 m/7.6'

TRANSPORT HEIGHT: 2.6 m/8.6'

The ECO plants are ideal for urban recycling due to compact size, low noise impact and quick set up time (less than 5 minutes). The powerful and sturdy feeder can handle most materials and the aggressive screen sort even damp materials with great efficiency. The capacity is usually between 100–200 tonnes/h. Save time and money by recycling on site.

- Small foot-print
- Sturdy beltfeeder
- Quick and easy change of meshes
- On-board diesel generator (Stage V)
- Three foldable stockpiling conveyors
- Wheels for towing on site



ECO4

Changeouts made easy



DECKS SCREEN AREA TRANSPORT



2



1.2 x 3.0



CONSUMPTION



18 kW

SET UP



5 Min

WEIGHT



15.000

TRANSPORT LENGTH: 8,5 m/27.9'

TRANSPORT WIDTH: 2.5 m/8.2'

TRANSPORT HEIGHT: 3.2 m/10.5'

- Powerful belt feeder
- Remote controlled reject grid
- Feed-in-height 3.2 m
- Hopper capacity 3.4 m³
- Three foldable stockpiling conveyors
- Diesel generator optional

With the ECO4, Maskin Mekano introduces a revolutionary innovation to simplify screen mesh changes. The entire screen box is slideable! This makes it quick and easy to switch between different materials, making it profitable to screen even smaller stockpiles.

Maskin Mekano's hook-lift program is extremely popular, and we are pleased to offer increased capacity in the same compact and flexible format.



ECO6

For fast transports

SCREENING TRAILER



DECKS SCREEN AREA TRANSPORT



2



1.4 x 4.8



CONSUMPTION



22 kW

SET UP



10 Min

WEIGHT



24.000

TRANSPORT LENGTH: 13.6 m/44.6'

TRANSPORT WIDTH: 2.55 m/8.4'

TRANSPORT HEIGHT: 4.0 m/13.1'

- Powerful belt feeder
- Remote controlled reject grid
- Feed-in-height 3.4 m
- Hopper capacity 7m³
- Three foldable stockpiling conveyors
- Diesel generator optional

Between workplaces at 80 km/h! ECO6 is registered and approved to tow as a trailer in the EU, which means you can drive everywhere, even on highways, with no need of special permits. Smooth, fast and easy to transport in other words. The ECO6 is robust and well-built with the operator's safety in focus, fixed sturdy walkways and railings are examples of this, as are the unique intervention protections.



VERSATILE SCREENERS

Ls 1202

Adapt for your needs



DECKS	SCREEN AREA	TRANSPORT
		
2	1.4 x 4.8	
CONSUMPTION	SET UP	WEIGHT
		
22 kW	4.5 l/h	10 Min
		24.000

TRANSPORT LENGTH: 16.9 m/55.4'
TRANSPORT WIDTH: 3.0m/9.8'
TRANSPORT HEIGHT: 4.2 m/13.8'

Ls 1202 PD



Ideal for professional top soil production with grinder on board

Ls 1203



DECKS SCREEN AREA TRANSPORT



3



1.4 x 4.8



CONSUMPTION



24 kW

SET UP



10 Min

WEIGHT



28.000

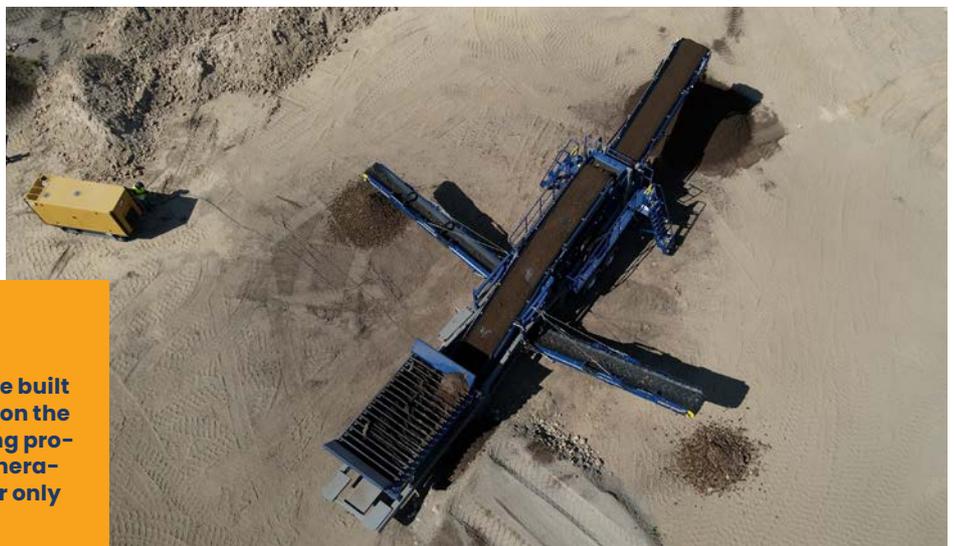
TRANSPORT LENGTH: 17.3 m/56.7'

TRANSPORT WIDTH: 3.0 m/9.8'

TRANSPORT HEIGHT: 4.2 m/13.8'

Versatile screening plants with powerful feeding units. They will boost your productivity whether you use them in the quarry, for sand, top soil production or recycling. Crushed material can be separated down to 1 mm, but feeding a 0-250 mm is no problem either. Because of the powerful stroke all kinds of difficult or wet materials are able to be processed as well. They come in various editions; with belt feeder or vibrating feeder, the optional diesel generator (mounted on a lifting frame to put it out of reach from dust), fitted with a grinder the Ls 1202 PD becomes a giant top soil screener and it also comes as the recycling (R) edition.

- Belt feeder or vibrating feeder
- Hopper volume 8 m³
- Remote controlled reject grid
- Feed in height 3.2 m as standard
- Optional diesel generator on lifting frame
- Can be fitted with a rooter
- Catwalks and foldable stairs with railings
- Foldable on board stockpiling conveyors



If you choose a diesel generator it will be built on a lifting frame, which can be placed on the screening plant during transport. During production it is ideal to place the diesel generator where it is safe from dust. We deliver only stage V diesel generators.

COMPACT FINAL SCREENS

SH 1202

Great performance, small footprint



DECKS  2	SCREEN AREA  1.4 x 4.8	TRANSPORT  Trailer
CONSUMPTION  20 kW	SET UP  10 Min	WEIGHT  18.000
TRANSPORT LENGTH: 9.5 m/31' TRANSPORT WIDTH: 3.0 m/9.8' TRANSPORT HEIGHT: 3.2 m/10.5'		

Compact but very capable final screens. Because of the handy format and wide application possibilities these will undoubtedly increase the versatility of your fleet of machines. Use them as a standalone screen, together with the crusher, a screening plant or in a stationary production line to split a fraction. Quick to set up and easy to use!

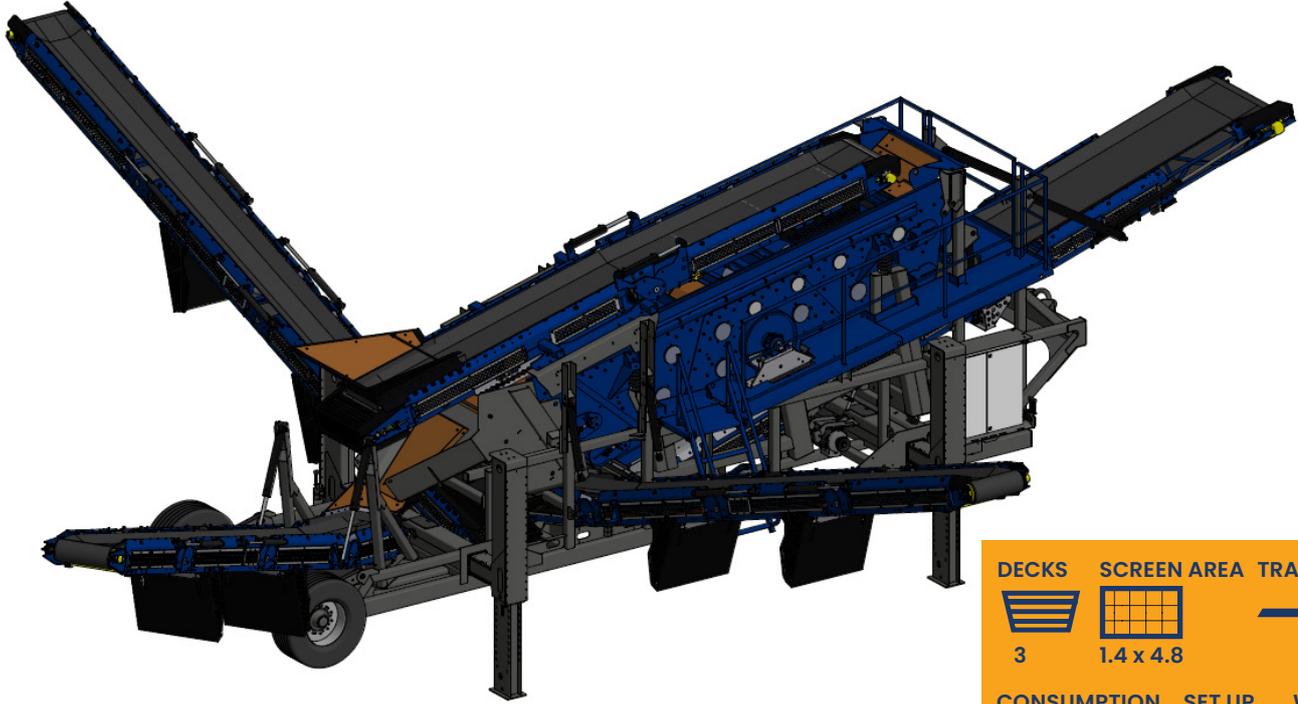
- Hydraulic jacking legs
- Screening media change-outs fast and safe
- Sturdy and safe catwalks
- Foldable stairs with railings
- Foldable on board stockpiling conveyors
- No twisting of conveyor belts when folded
- Wheels and hook for towing on site
- Can be fitted with ball-deck



SH 902

DECKS  2	SCREEN AREA  1.2 x 4.4	TRANSPORT 
CONSUMPTION  20 kWh	SET UP  10 Min	WEIGHT  10.500
TRANSPORT LENGTH: 6.8 m/22.3' TRANSPORT WIDTH: 2.3 m/7.5' TRANSPORT HEIGHT: 2.6 m/8.5'		

SH 1203



DECKS  3	SCREEN AREA  1.4 x 4.8	TRANSPORT 
CONSUMPTION  20 kW	SET UP  10 Min	WEIGHT  21.000
TRANSPORT LENGTH: 11.0 m/36' TRANSPORT WIDTH: 3.0 m/9.8' TRANSPORT HEIGHT: 3.55 m/11.6'		

A screening plant is a workplace. During the designing process much emphasis has been placed on creating a safe work environment. Maskin Mekano's engineers have developed several new and reliable safety guards.

To facilitate the change of screen meshes, Maskin Mekano also has a number of unique solutions. Proper catwalks are located on the side and behind the screen box and are reached via hydraulic folding stepladders equipped with handrails and a self-closing barrier. The feeding conveyor folds straight up for complete access to the upper deck. In front of the screen, the chute can be rolled away hydraulically. There is also a hatch for mixing middle and oversize fractions without any need of screening media removal.

In addition, Maskin Mekano's development team have worked hard to minimise the need for operator intervention on the machine. An example of this is that there are 4 lubrication points only and the option of choosing central lubrication.

**Focus on
operator safety
and userfriendliness**

Slidable chutes facilitate screening media change-outs. The screen box is very accessible from all directions.



PREMIUM FINAL SCREENS

For unequalled capacity

SH 1502



DECKS	SCREEN AREA	TRANSPORT
 2	 1.8 x 5.2	
CONSUMPTION	SET UP	WEIGHT
 22 kW	 15 Min	 25.000

TRANSPORT LENGTH: 8.8 m/28.8'
TRANSPORT WIDTH: 3.0 m/9.8'
TRANSPORT HEIGHT: 3.2 m/10.5'

The 1500 screener generation is developed to meet the current demands of higher capacity, better screening accuracy, lower costs, less noise impact, small CO₂ footprint and safer work environment. They are designed to match the biggest mobile crushers and huge material flows and combines the benefits of mobile and stationary screening. Thanks to the high jacking legs it is easy to keep the area around the plant clean.

They are high performing final screens but also smooth to work with, they are fitted with rubber wheels for transports on site, there is a hook in the rear, they are simple to place under feeding conveyors or a crusher conveyor. The compact transport sizes makes them ideal for trailer transports. Most trailers can be reversed between the high jacking legs for simple loading.

- Wheels and hook for towing on site
- Optimised trailer loading
- High hydraulic legs for production mode
- Sturdy and safe catwalks
- Screening media change-outs fast and safe
- Foldable on board stockpiling conveyors
- Can be fitted with ball-deck

SH 1503



DECKS	SCREEN AREA	TRANSPORT
 3	 1.8 x 5.2	
CONSUMPTION	SET UP	WEIGHT
 24 kW	 15 Min	 30.000

TRANSPORT LENGTH: 9.8 m/32.1'
TRANSPORT WIDTH: 3.0 m/9.8'
TRANSPORT HEIGHT: 3.55 m/11.6'

THE MODULE CONCEPT

Build your crushing plant

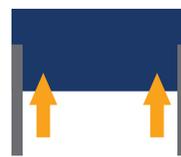


The ambition of the new modular crushing and screening concept from Maskin Mekano is to combine the best of stationary crushing and screening plants with the versatility of a mobile plant. In production, these machine units on their high jacking legs resemble stationary plants while being very easy to move between different work sites. With the modules for crushing, screening and feeding designed by Maskin Mekano it is easy to create an optimised plant with high capacity that is also sustainable, safe and versatile.

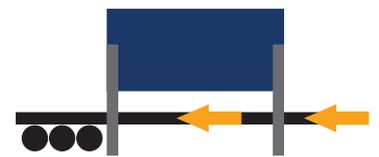
The control systems are interlocking, and the emergency stop circuits are also compatible with the entire Maskin Mekano modular program, which means that no matter in which constellation the machines are combined in, you can create a safe workplace. All machines in the modular program are equipped with sturdy and extensive walkways with proper railings and gates and folding stairs with railings.

- Electric drive
- Interlocking control systems and emergency stop loops
- User-friendly and operator safe design
- Easy and safe set-up
- No removal of machine parts before transport
- Loading and unloading without lifting assistance
- Transport width $\leq 3.0\text{ m}$

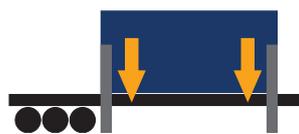
Trailer optimised loading



1. Raise the unit



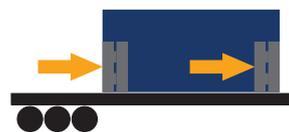
2. Reverse the trailer



3. Lower the unit



4. Raise the jacking legs



5. Fold the jacking legs



VSI CRUSHERS

For shaping

VW 200-4



CRUSHER VSI	DECKS 3	TRANSPORT
CONSUMPTION ~250 kW	SET UP 20 Min	WEIGHT 39.000 KG
TRANSPORT LENGTH: 18.8 m/61.6' TRANSPORT WIDTH: 3.0 m/9.8' TRANSPORT HEIGHT: 4.5 m/14.7'		

The demand for high-end crushed products with consistent quality are constantly rising. Therefore we proudly present our VSI crushers which are complete plants with everything you need on board. Thanks to the electrical drive, production will be cost effective whether you need manufactured sand or better cubicity.

- VSI crusher by Techroq
- Capacity about 200 tonnes/h
- Hydraulic lifting legs
- Catwalks and foldable stairs with railings
- On board stockpiling conveyors
- Sockets for interlocking
- Connecting emergency stop loops



VH 200

CRUSHER VSI	TRANSPORT
CONSUMPTION ~250 kW	SET UP 15 Min
WEIGHT 26.000 KG	
TRANSPORT LENGTH: 13.0 m/42.6' TRANSPORT WIDTH: 3.0 m/9.8' TRANSPORT HEIGHT: 3.6 m/11.8'	

CH180-PS

CONE CRUSHERS



CRUSHER

Cone

TRANSPORT


WEIGHT

43.000

CONSUMPTION

~300 kW

TRANSPORT LENGTH: 14.2 m/46.6'
TRANSPORT WIDTH: 3.0 m/9.8'
TRANSPORT HEIGHT: 3.6 m/11.8'

The crusher CH180-PS is part of Maskin Mekano's new modular range. The crushing plant is a conveyor in/conveyor out unit with a pre screen and an on-board return conveyor that makes it compatible with Maskin Mekano's final screen SH 1503 for closed circuit. The crusher is Sandvik's reliable and versatile cone crusher CH440 with high capacity in relation to size.

- Cone crusher CH 440 by Sandvik
- Interlocking control systems and emergency stop loops
- User-friendly and operator safe design
- Easy and safe set-up
- No removal of machine parts before transport
- Loading and unloading without lifting assistance
- Transport width <3.0 m, i.e. no need for an escort car



MOBILE FEEDERS

For efficient production

VML 15



VOLUME	TRANSPORT	WEIGHT
 15 m ³		 16.000
CONSUMPTION		
 16 kW		
TRANSPORT LENGTH: 8.9 m/29.1'		
TRANSPORT WIDTH: 3.0 m/9.8'		
TRANSPORT HEIGHT: 3.2 m/10.5'		

Using a feeding unit makes the production more efficient. A well designed feeder is essential for a smooth flow, cuts costs for diesel and manpower and reduces the carbon footprint. The the Maskin Mekanos feeder range consists of BML 7 and BML 15 with belt feeder and VML 15 with vibrating feeder and are mounted on a hook lift chassis, if the high jacking legs are chosen it is easy to load them on a trailer, and there are wheels in the rear for towing as well.

- Hopper volume: 15 m³ (made of Hardox)
- Feed in height: 2.8 m
- Wide loading area: 4 m
- Self-cleansing hydraulically folded reject grid (optional)
- Sturdy construction
- Foldable on-board stockpiling conveyor
- Wheels for towing on site

BML 7

VOLUME	TRANSPORT	WEIGHT
 7 m ³	 Hook-lift	 8.400
CONSUMPTION		
 16 kW		
TRANSPORT LENGTH: 7.6 m/24.9'		
TRANSPORT WIDTH: 2.3 m/9.8'		
TRANSPORT HEIGHT: 3.2 m/10.5'		



FC 25

WET PROCESSING

From waste to valuable resource



Adjustment of machine sand for concrete production. Making marketable products from surplus fractions. Recycling. The need for washing and adjusting screening curves can have several causes. Maskin Mekano offers the versatile FC program, highly compatible with our standard machines. The combination possibilities are many. We can build the plant completely stationary, completely mobile or as a combination of both. Water management can be designed as simply in/out or completely recircular. There are several different forms of sedimentation solutions depending on access to water and space. Fresh water equivalent to evaporation must of course always be available regardless of the recycling rate.

The process is characterized by reliability, energy efficiency and low water consumption.

Service, support and spare parts

Maskin Mekano's machines are known for their operating reliability. Together with our partners, you can expect a high level of technical support and fast delivery of spare parts, which are always stocked. The professional Maskin Mekano service engineer team is always ready to support you with qualified guidance, service, reparation and maintenance. We will help you maximize your productivity, install your plant and educate your operators.

Spare parts are stocked in Jönköping as well as the most common screen meshes.

SPARE PARTS **SCREEN MESHES**



Stocked in
Jönköping

SCREEN MESHES

Stocked in
Jönköping



Professional
engineers



Operator
education

OPTIMISE YOUR PROCESS



Let us help you raise your
productivity



Support-online is optional for most of
our products.



Your partner for productivity



maskin mekano

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