

maskin mekano

VML15
BML15

CONTAINER MOBILE FEEDING UNITS



Great material flow

Using a feeding unit makes the production flow more efficient!

Feeding units are often overlooked in crushing and screening applications. A well designed hopper is essential for a smooth production flow and cuts costs for diesel and manpower. The advantages of the Maskin Mekano's high volume feeder range (BML 15 with belt feeder and VML 15 with vibrating feeder) include:

- Electric drive
- Great mobile solutions
- Great volume in the hopper
- Low feed-in-height -3.4 m (11.2')
- Wide reject grid -4 m (13.1')
- Self-cleaning reject grid
- Adjustable distance between bars

**Depending on equipment*

VOLUME



15 m³

WEIGHT



16.000*

TRANSPORT



Hook lift*



Trailer optimised*

CONSUMPTION



16 kWh

SET UP TIME



10 Min







The hopper

The volume of the hopper is 15 m³ and it is equipped with a heavy duty reject grid (optional). The distance between the bars is as standard 180 mm (7"), but that can be adjusted steplessly. The reject grid is tipped hydraulically via remote control and is tipped 90° for effective cleansing. The hopper is made of Hardox elements that can easily be swapped when needed. This is facilitated by lifting slings.

To best suit your needs, you can choose between belt feeder (BML 15) or vibration feeder (VML 15). A vibration feeder is very rough and can handle just about anything, including recycling masses. However, it has a smaller range for adjusting the speed and is more sensitive to sticky and damp material. A belt feeder has a variable feeding speed and is completely insensitive to moisture and is perfect for natural materials. However, it is less suitable for recycling masses containing steel reinforcement or sharp stones.

BML 15, belt feeder

The framework of the belt feeder is amply equipped with powerful rubberized rollers. It is driven by a cambered and rubberized drive pulley with a 7.5 kW gear. The speed is adjusted via a frequency controller and managed via radio transmitter. In the feeder outlet is a radio-operated feeding chute door that can be used when the amount fed must really be finely calibrated.

VML 15, vibrating feeder

The powerful vibrating table is as standard reinforced with Hardox. The movement is created with imbalance engines which are regulated via frequency controller by the radio transmitter. For special applications like lightweight material or small material flow the weighting of the imbalance motors can be adjusted. The VML version is also equipped with the hydraulic feeding chute door.

Stockpiling conveyor

The stockpiling conveyor of the BML 15 and VML 15 is driven by a rubberized motor pulley with a diameter of 420 mm (16.5"). Besides securing a reliable feed this also enables the use of really sturdy conveyor belts in demanding applications.

The conveyor is hydraulically folded for transport, and can also be raised and lowered to fit in your application.

Chassis

Our feeding units are built on a hook lift frame for easy and inexpensive transports (depending on weight). If you choose the high jacking legs, it is designed to drive in with a trailer underneath. The high jacking legs are folded in during transport to withstand the width of 3 meters (9.8'). There is an inspection platform at the stockpiling conveyor, if, for example, you equip your feeder with a metal detector. VML 15



and BML 15 are a sturdy construction of welded girders that provide very good stability but low weight. For towing within the working site there are wheels in the back.

Electrical drive

The BML 15 and VML 15 are electrically driven, like all Maskin Mekano plants, for best overall economy, a low carbon footprint and low noise emission.

Service & spare parts

Maskin Mekano's machines are known for their high and stable values on the used market. To a large extent this is due to the high quality, but also to the availability of spare parts, service and support. All spare parts are in stock in our factory in Jönköping and as a customer you always have access to support from our service technicians.

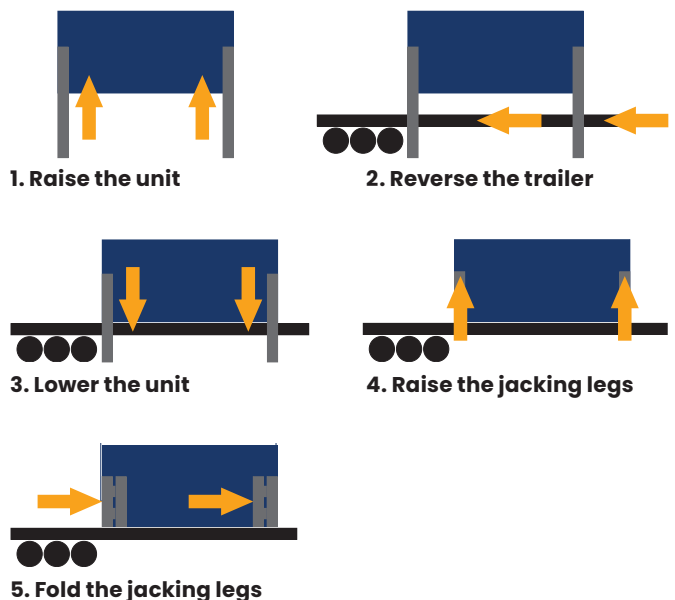
We at Maskin Mekano have extensive experience in the material handling industry and are more than happy to help you optimise your process.

Customise your feeder

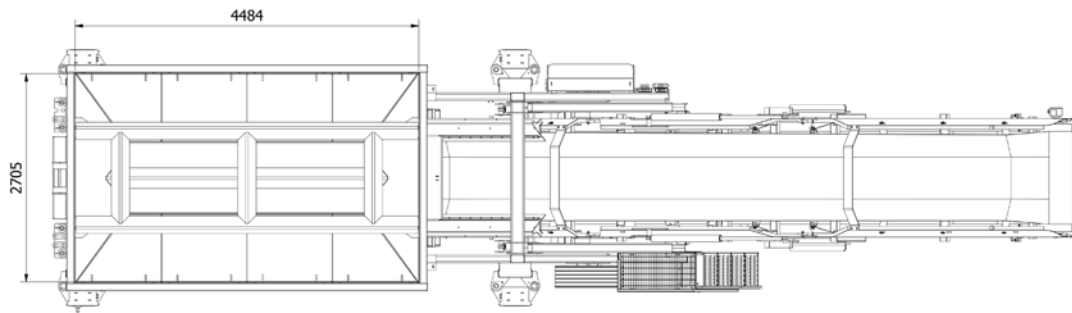
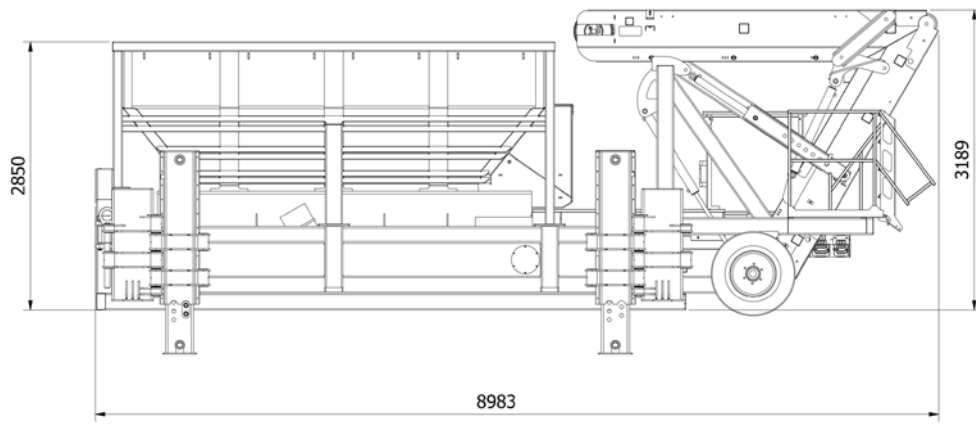
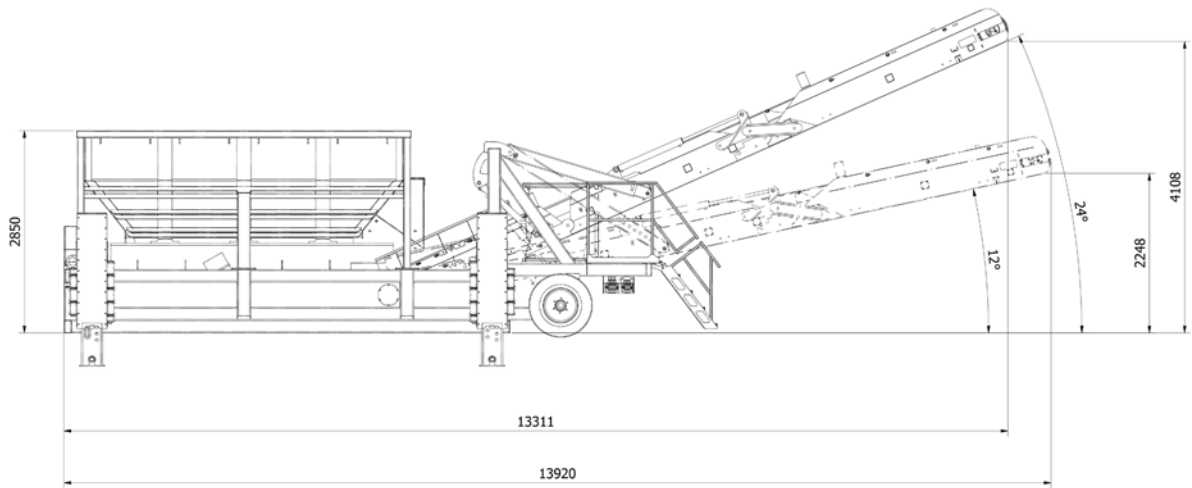
To perfectly fit your application, you can choose between belt feeder (BML 15) or vibration feeder (VML 15). In addition, there are the following options to customize your feeder:

- High foldable hydraulic jacking legs
- Foldable reject grid
- Tilted foldable reject grid (for aggregates)
- Metal detector with picking station
- Heating in the feeder
- Lighting tower

Trailer optimised loading







Technical Specification Maskin Mekano BML 15/VML 15

<i>Transport Length</i>	8.9 m (29.1')
<i>Transport Width</i>	3.0 m (9.8')
<i>Transport Height</i>	3.2 m (10.5')
<i>Machine Weight</i>	approx. 16 tons (depending on equipment)
<i>Belt feeder</i>	Width 1200 mm (3.9') Length 4000 mm (13.1') Electric motor 7.5 kW
<i>Vibrating feeder</i>	Width 1100 mm (3.6') Length 4000 mm (13.1') Electric motor 2 x 3.2 kW
<i>Hopper & Reject grid</i>	Volume 15 m ³ Feeding width 4.0 m (13.1') Standard distance between bars 180 mm (7"), adjustable Hydraulic tipping and self cleaning reject grid
<i>Rear conveyor</i>	Belt width 1200 mm (3.9') Length 10.0 m (32.8') Electric drum motor 15 kW
<i>Electric equipment</i>	Electrical distribution box with touchscreen mounted on the machine including safety breaker, safety disconnection breaker, emergency stop, preregulator as well as extra motor socket. Power inlet with 63 A CEE-device
<i>Hydraulic equipment</i>	Hydraulic aggregate for setting up, folding of the conveyor and grid lift Motor 4.0 kW
<i>Wheel- and towing device</i>	Mounted on a hook-lift frame Wheels for towing on site Chassis adapted for trailer transport* Hydraulic jacking legs for elevation to production mode*

*Option

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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