

# Bark topper RM 2120



## Operating instructions

Issue date: 19th February 2021 / V1.0

**Before the initial start-up, read and keep at the machine for future use.**

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# 1 Product description

## 1. Intended use

MAYER Bark Topper RM 2120 allows scattering of bark or sawdust on the surface of the pots to reduce the growth of moss and weeds.

Other means of use of the machine, besides the ones listed here, are not permitted – and they are considered improper use.

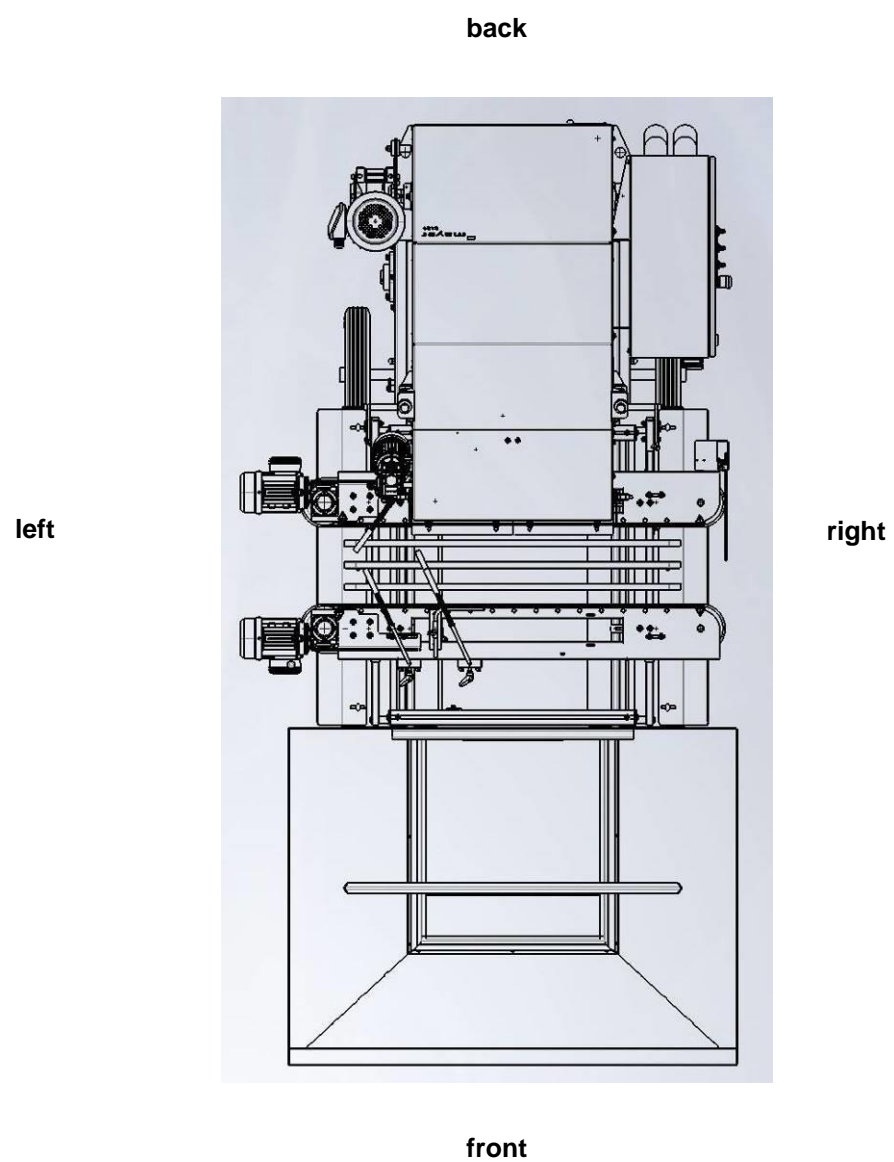
If the MAYER RM 2120 is not used in accordance with the regulations, safe operation of the machine is not guaranteed.

Usage for intended purpose involves reading the operating instructions and compliance with the regulations, especially safety regulations stated in them. Furthermore, every inspection and maintenance should be performed in specified time.

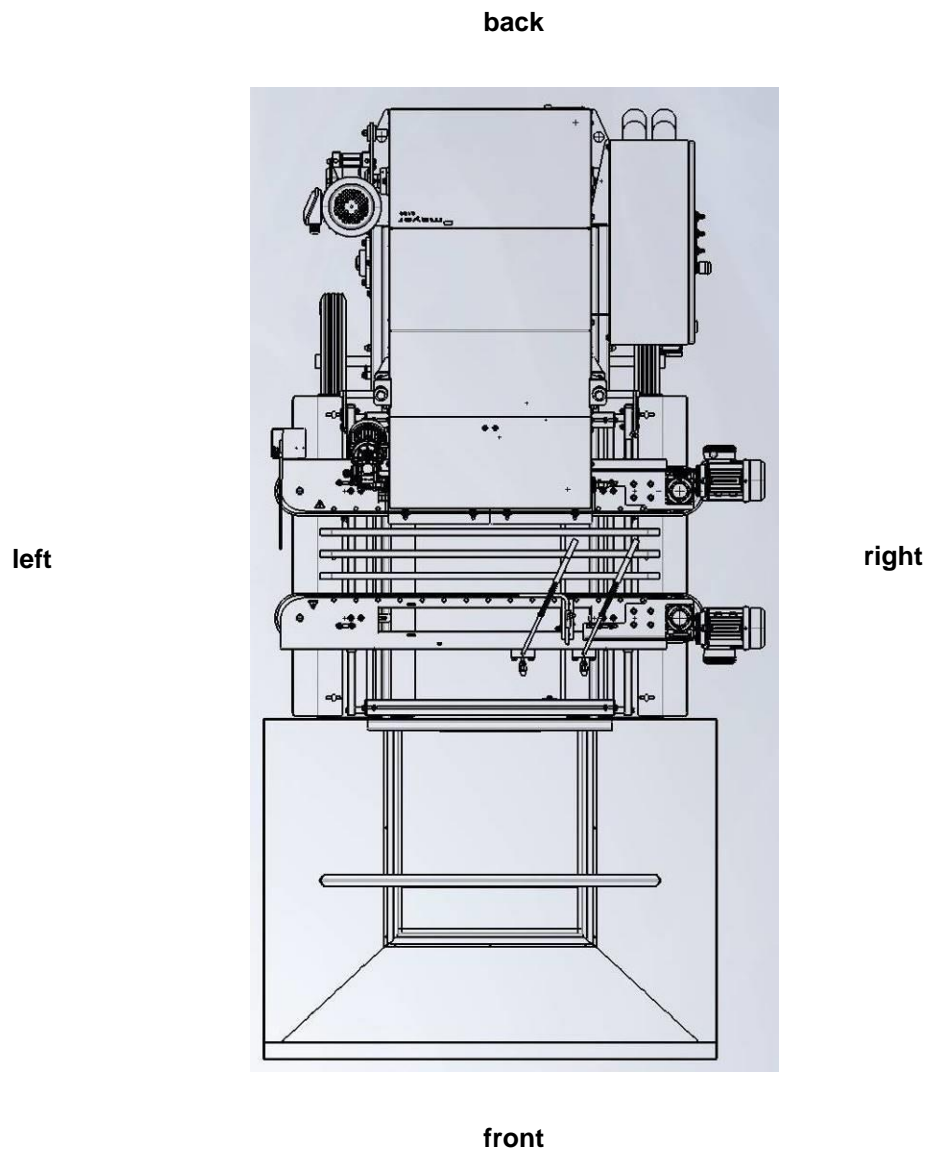
The manufacturer accepts no liability for damages resulting from improper use. The operator of the MAYER Bark topper RM 2120 is solely responsible for personal injuries or property damages.

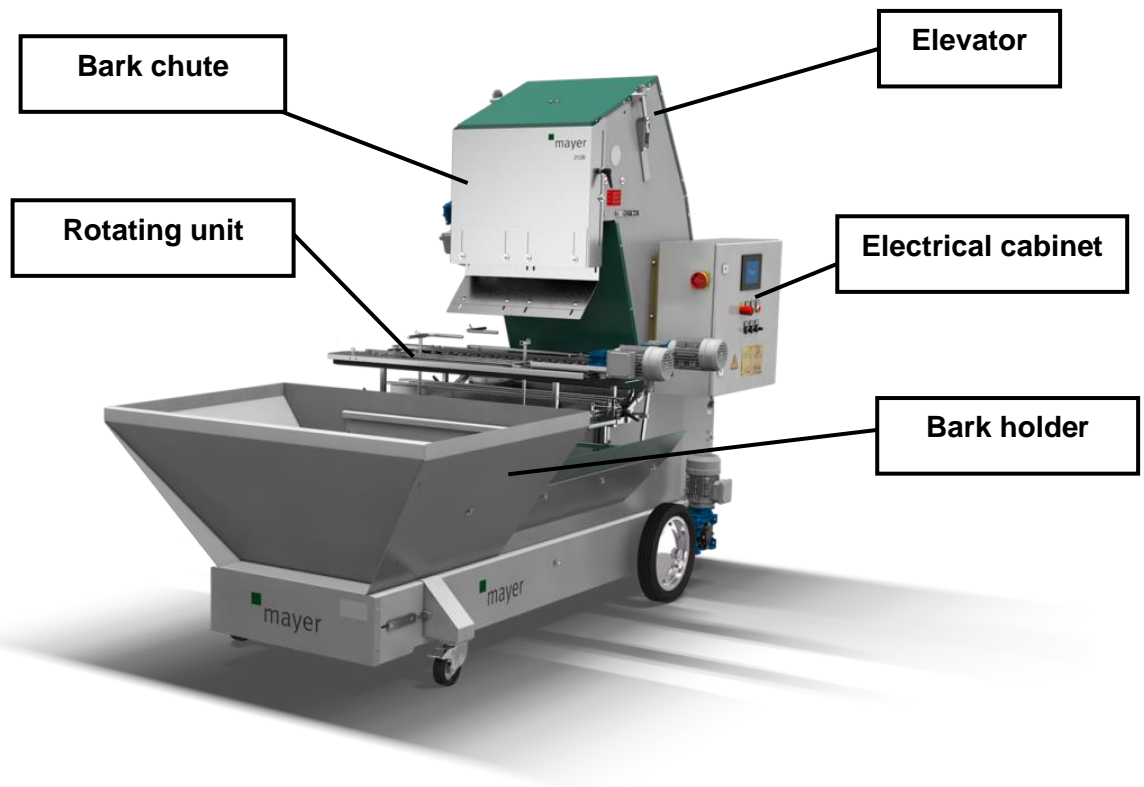
## 2 Structure

Plan view with pots from right to left



- Plan view with pots from left to right





### 3 Functional description

Filled pots are transported to the rotating unit on a conveyor belt. The inlet of the pots can be configured either from right to left or from left to right, depending on purchase order, as described in chapter 1.2 “Structure”.

Shovels in the elevator housing convey the bark on the dispensing conveyor which is located in the upper part of the elevator. A conveyor belt, located in the bark holder, ensures that the bark is always transported in the direction of the elevator.

The front side of the rotating unit is equipped with a sensor which is activated by the incoming pots and then the machine starts to spread bark.

In case of round pots, two drive belts rotating at different speed in opposite direction start to operate, which moves the pots under the bark chute and moves them around.

In case of square pots, the two drive belts have to move at the same speed into the same direction. The direction can be set on the control panel, the speed can be set on the switch board with the help of a potentiometer (cf. chapter 6.1 “Settings”).

The dispensing conveyor in the elevator housing starts up while the pots are transported through under the bark chute.

A vibrating unit ensures even distribution of the spreading material, at the end of the rotating unit pot scrapers remove excess material.

Pots land at the outlet of the belt on the conveyor belt.

For different pot heights the drive belts, the distance of the vibrating unit and the height of the pot scrapers must always be readjusted (cf. Chapter 6.1 Settings).

#### 4 Technical data

<b>Make</b>	<b>Mayer</b>
<b>Machine type</b>	<b>Bark topper</b>
<b>Series</b>	<b>RM 2120</b>
<b>Length / width / height</b>	280 / 150 / 210 cm
<b>Working height</b>	ca. 88 cm
<b>Weight</b>	700 kg
<b>Power connection</b>	400V/50Hz, 5-polig
<b>Power input</b>	2,04 kW
<b>Capacity of bark holder</b>	1 m <sup>3</sup>
<b>Pot size</b>	Round pots from 9 up to 40 cm diameter Square pots 9-27 cm edge length
<b>Noise level</b>	75dB (A)

**Please note!**

**When placing orders for accessories and spare parts, make sure to have information about the machine type and number at your hand!**



## 5 EC - Declaration of Conformity

In accordance with Annex II / A of the EC Machinery Directive (2006/42/EC)

The manufacturer:

**Mayer Ipari és Kereskedelmi BT.**  
**Georg Mayer út 1. 9341 Kisfalud / Hungary**

**Mayer GmbH & Co. KG**  
**Maschinenbau und Verwaltung**  
**Poststr. 30 89522 Heidenheim / Germany**

hereby attests that the machine described in the following:

**Manufacturer: Mayer**  
**Type: Bark topper**  
**Series: RM 2120**  
**Year of construction: from 2021**

fully meets the health and safety regulations specified in the following EC Machinery Directive(s):

**2006/42/EC**

*Applicable harmonized standards:*

EN ISO 12100:2011	Safety of machinery. General principles for design. Risk assessment and risk reduction (ISO 12100:2010)
EN 60204-1:2010	Safety of machinery. Electrical equipment of machines. Part 1: General requirements (IEC 60204-1:2005, modified)
EN ISO 13849-1:2016	Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design (ISO 13849-1:2015)
EN ISO 13850:2008	Safety of machinery. Emergency stop. Principles for design (ISO 13850:2006)
EN ISO 13857:2008	Safety of machinery. Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2008)
EN ISO 14119:2014	Safety of machinery. Interlocking devices associated with guards. Principles for design and selection (ISO 14119:2013)
EN 349:1993+A1:2008	Safety of machinery. Minimum gaps to avoid crushing of parts of the human body
EN ISO 14120:2016	Safety of machinery. Guards. General requirements for the design and construction of fixed and movable guards (ISO 14120:2015)
EN 1037:1995+A1:2008	Safety of machinery. Prevention of unexpected start-up
EN 1005-2:2003+A1:2009	Safety of machinery. Human physical performance. Part 2: Manual handling of machinery and component parts of machinery
EN ISO 13855:2010	Safety of machinery. Positioning of safeguards with respect to the approach speeds of parts of the human body (ISO 13855:2010)

EN 618:2002+A1:2011	Continuous handling equipment and systems. Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors
EN 619:2002+A1:2011	Continuous handling equipment and systems. Safety and EMC requirements for equipment for mechanical handling of unit loads
EN ISO 14738:2009	Safety of machinery. Anthropometric requirements for the design of workstations at machinery (ISO 14738:2002 + Cor. 1:2003 + Cor. 2:2005)
EN 1005-5:2007	Safety of machinery. Human physical performance. Part 5: Risk assessment for repetitive handling at high frequency

**Any constructional changes that affect the technical parameters and intended purpose set forth in this Instruction Manual are bound to result in considerable changes in the machine and will, therefore, render this EC Declaration of Conformity void.**

Heidenheim, 19<sup>th</sup> February 2021

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Managing Director



## 2 General safety instructions

### 1 Due diligence of the operating company

The MAYER Bark topper RM 2120 was designed and built taking a danger analysis into consideration and after careful selection of the harmonised standards to be complied with as well as other specifications. It therefore meets the state-of-the art of technics and guarantees a maximum degree of safety.

However, this safety can only be achieved in actual operational practice only if all necessary measures are taken. Planning these measures and checking their implementation is subject to the operating organisation's duty to take due care.

#### **The operating organisation must guarantee in particular that**

- the machine is only used in accordance with its intended use (cf. section Product description).
- the machine is only operated when in flawless working order and, especially, that the working order of the safety equipment is regularly checked.
- the Operating Instructions are always available in legible condition and complete at the location where the machine is used.
- only sufficiently qualified and authorised personnel operate, service and repair the machine.
- these personnel are regularly instructed about all relevant matters concerning industrial safety and environmental protection and that they know the Operating Instructions and especially the safety protection and that they know the Operating Instructions and especially the safety instructions they contain.
- none of the safety and warning signs attached to the bark topper are removed and that all remain legible.
- users must obligate themselves only to ever operate the machine when it is in flawless condition.
- no unauthorised conversions or alterations are allowed that influence the machine's safety.
- only when the machine has stopped, must any work ever be carried out on it.
- before beginning with any work on the machine, secure its drives and accessory parts against being switched on unintentionally.



- protective devices may only be removed when the machine has been stopped.
- local safety and accident-prevention regulations always apply to any operation of the machine.
- the machine must not be started if any safety devices are removed.
- in the working area the operator is responsible for other people.
- **in case of non-compliance with any one of the points cited above, the manufacturer shall be released from all liability.**

## 2 Explanation of safety symbols

**Safety symbols along with the text of safety instructions are meant to point out unavoidable residual dangers that exist when dealing with this machine. These residual hazards relate to:**

- People
- The machine
- Other things and objects
- The environment

Following safety symbols are used in these Operating Instructions:

This symbol indicates that there are dangers to the machine, things and the environment, but that no dangers to people are to be expected. If these instructions are not followed, it might result in malfunctions and damage to the machine. Property damage and environmental damage might also come about.



This symbol identifies instructions contributing to better understanding of the machine information that helps you to use the machine in optimum performance. This symbol does not identify safety instructions.



This symbol warns against the danger of electric shock.



Be sure to also note that a safety symbol can never replace the text of safety instructions – please read the text of safety instructions therefore always completely!

### **3 Basic safety precautions**

**Always be sure that:**

- tight-fitting working clothes are worn at all the workplaces.
- do not wear chains, rings, bracelets or wristbands.
- the bark topper must not be fully covered for technical reasons.
- do not reach into the bark holder (e.g., to push in more bark) since there is a risk of getting caught by the elevator chain.
- do not climb into the bark holder while the machine is in operation.
- do not reach into the drive belts when the machine is in operation.
- do not adjust the capacitive sensors while the machine is in operation.

### **4 Machine-related safety precautions**

Responsibilities for the various activities must be clearly defined and complied with. Unclear competencies represent a safety risk.

Persons who operate the bark topper must have been given special training in which they were made aware of the possible danger.

The bark topper must not be fully covered for technical reasons.

In case of malfunctions during the workflow, it is forbidden to touch the running machine in order to resolve the malfunction. Access to the emergency cut-off switch must always be guaranteed.

It is forbidden to climb onto or sit on the running machine.

The machine must be set up on even and solid surface so that it stands securely in place.

The floor (workplaces at the machine and traffic routes) must be regularly cleaned from dirt and water in order to avoid danger of slipping.

Stumbling blocks in the form of cables connected to the energy supply systems must be avoided.

All feed lines to the machine must be protected against damage.

Only a skilled electrician is allowed to carry out works on the electrical equipment.

Protection devices are fitted for the safety of operating personnel and must in no case be changed, removed or evaded by modifications to the machine.

## **5 Demands on operating personnel**

The machine may only be operated by personnel who have been trained for such, shown what is involved and are authorised to do so. These individuals have to know and act in accordance with the Operating Instructions. The respective authorisations for the operation personnel must be clearly prescribed.

In addition, special qualifications are required for the following activities:

Operation personnel being trained may at first only work with the machine under the supervision of an experienced individual. It should be confirmed in writing that the training has been successfully completed.

Only trained personnel may ever operate any of the control and safety equipment.

All individuals that carry out any activities with the machine have to read the Operating Instructions and confirm by their signature that they have understood the Operating Instructions.

## 3 Transport, handling and storage

**To prevent damage to the bark topper as well as injuries while transporting the machine, it is absolutely necessary to comply with the following points:**

- Transport work may only be carried out by individuals qualified to do so, complying with the safety instructions.
- The machine may only be lifted by the supporting points provided for such (section 3.2).
- Only the load-lifting devices and tackles specified here may be used to transport the machine.

- Be sure to also read the "General Safety Instructions" section.

**When transporting the machine, the following special dangers must be expected:**

- Suspended loads can drop, which would be a lethal danger – never go under suspended loads!
- If load-lifting equipment other than that specified here is used, severe damage to the machine may result.

### 1 Transport

When the bark topper is transported special care shall be taken to avoid damage of the machine during loading or unloading.

During transport fixings according to type and duration of transport shall be implemented.

Moisture condensation caused by temperature difference during transport as well as shocks during transport shall be avoided.

The machine shall be operated with usual care.

It is recommended to use a relevant attachment when loading or unloading the machine by means of a forklift.

## 2 Handling

The bark topper can only be moved when it is switched off.

The bark topper is equipped with 4 rubber wheels, the rear ones are fixed, the bark container has swivel castors – this makes the machine easy to move by one person on level ground by pushing the front part.

When the machine is moved, pay particular attention to the supply lines to the machine to prevent that the lines are damaged and/or ripped out of their couplings if the machine runs over them with the front wheels.

If the machine is to be moved over an inclined plane, it is necessary:

- to completely empty the bark holder,
- to make sufficient safety precautions in order to prevent the machine from accidentally rolling away.

Such precautions may include:

- enough personnel
- to secure the wheels using a wedge
- and so on.

## 3 Storage

When the machine or its parts are not reassembled right after transport, then they shall be carefully stored in a protected place. It shall properly be covered and protected against dust and moisture.

Tasks for putting it out of operation are detailed in section 6.3.





## 4 Installation

### 1 General notes

a)

To protect the machine against weather caused damages it is suggested to use and store it inside.

b)

Electrical connection: 400V/50Hz

Connection is permitted only to socket-outlets protected by means of an all-current sensitive FI circuit breaker.

c)

Be sure that enough space is assured for feeding and filling pots. Same care shall be taken in case machines are connected in front of or behind it.

d)

In order to utilise the machine's maximum performance, it is suggested to prepare bark, sawdust etc. on the best place and in sufficient quantity.

Do not under-estimate the task of removing and transporting filled pots, since an insufficient solution may considerably decrease the efficiency of the machine.



## 2 Installing the machine

The machine should be set up on flat and solid surface to prevent the wheels and castors from sinking.



## 3 Measures for the machine's stability against overturning

For the stability of the machine the front castors must be braked and necessary measures are listed in section 4.2.

## 4 Disassembly and disposal of the machine

After completion of its full time of operation, the machine must be duly separated from energy supply systems and disposed according to valid legal regulations.

## 5 Initial start-up

It is absolutely necessary to comply with the following safety instructions for the initial start-up of the machine. This will prevent injury to individuals, damage to machinery and other property damage.

- The initial start-up may only be carried out by qualified individuals, complying with the safety instructions.
- Before the first start-up, check whether all the tools and parts not belonging to it have been removed from the machine.
- Before the first start-up, check the electrical connections.
- Activate all safety equipment and EMERGENCY SHUT-OFF switches before the initial start-up.
- Also read section "General Safety Instructions".

### 1 Check prior to first start

Prior to starting up the machine, the following must be checked:

- are all safety devices available?
- was the machine damaged during transport?
- all visible bolted joints must be checked for tight seat.
- prior to putting the machine into operation, the connecting cable of the machine must be checked for damages.

## 2 Starting the machine for the first time

After reassembly, the machine shall be checked as per the following:

a) Be sure not foreign materials or tools are left in the bark holder, in the elevator or in the rotating unit.

b) Put the main switch of the machine to OFF („Zero”) position before the plug of the connection cable is connected to the socket.

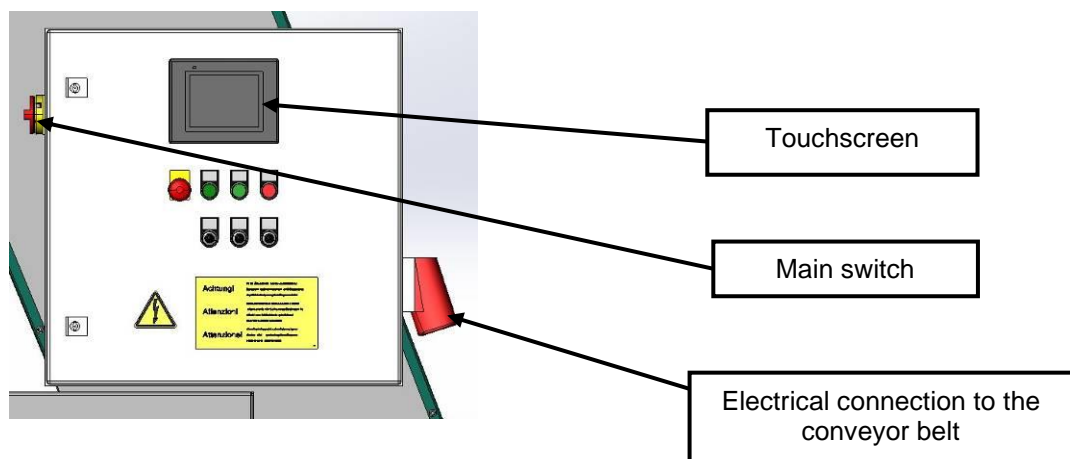
c) When the machine is connected, put the switch to „1 ON” position.

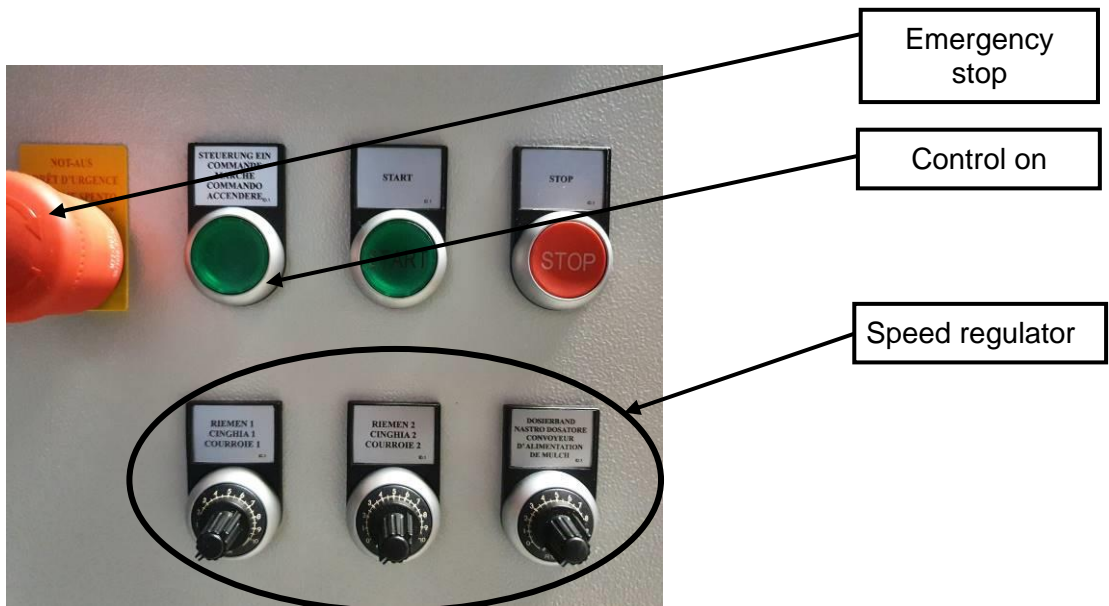
d) Now press “Control on”, only after that may the machine be started with the “Start” button.

After pressing the “Start” button, the belt in the storage hopper must move gradually towards the elevator.

If it is not the case, then an electrician must reverse the polarity of the connection in the plug. The elevator shovels now move from top to bottom on the side facing the bark holder.

e) In case there were no problems found or unusual noises heard during test operation, the machine may be put into operation as it is described in section „Operation”.





### 3. Stopping the machine

There are two ways to switch off the machine.

- In normal case, switching "Stop" on the switch board stops the bark topper.
- In emergency case by pressing "Emergency Stop" switch located on the potting machine. Besides the switch board there are 3 Emergency stops mounted on the machine: one on the elevator and two other ones on the storage bunker on the left and on the right.

**Note:**

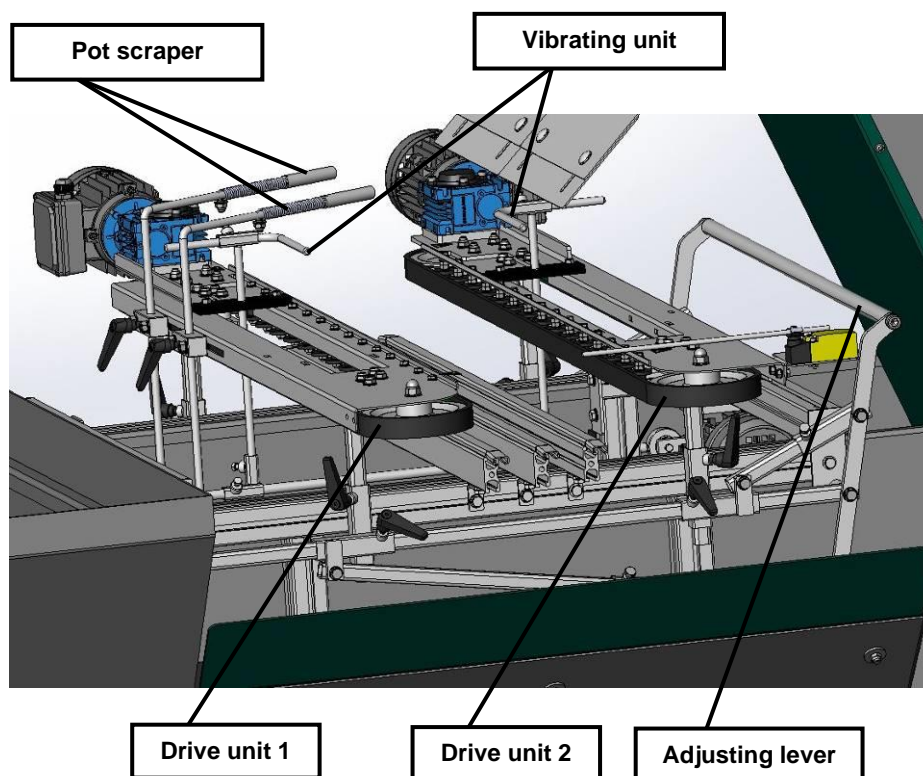
See also section "6.2 Shutting down the machine".

## 6 Operation

### 1 Settings

#### a) Setting the rotating unit

- Parts of the rotating unit:



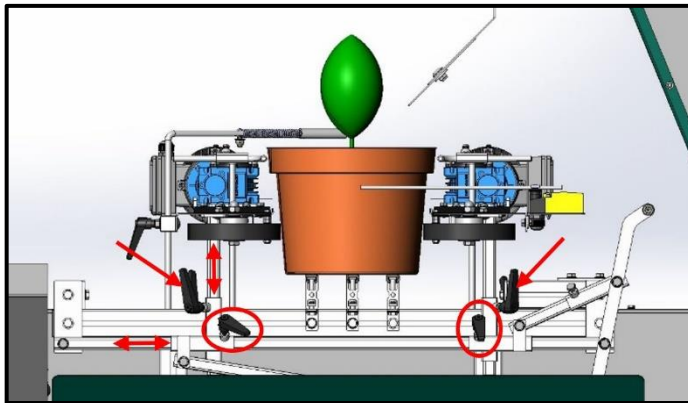
- **Adjusting distance and height of drive belts**

It is possible to adjust the distance and the height of the two drive belts.

The marked adjusting levers must be loosened on both sides, depending on pot size, the unit can be moved forwards or backwards, thereby the distance can be adjusted. In doing so, it is important that there is no gap between the pots and the drive belt.

After loosening the adjusting arms (marked with arrows) on both sides, the height of the drive belts can be adjusted upwards or downwards by muscle power.

The two drive belts are adjusted here separately. It is best done by two persons using a spirit level so that the two drive belts are at the same level.



- **Adjusting speed and rotating direction of the drive belts**

Basically, the drive belts rotate in opposite directions: drive belt 1 forwards faster, drive belt 2 backwards slower.

Speed can be set by two potentiometers on the switch board.

With square pots, the two drive belts must turn in the same direction at the same speed.

In this case running direction of drive belt 2 must be reversed.

This is to be set in the main menu – Belt drive: Backwards / Forwards.



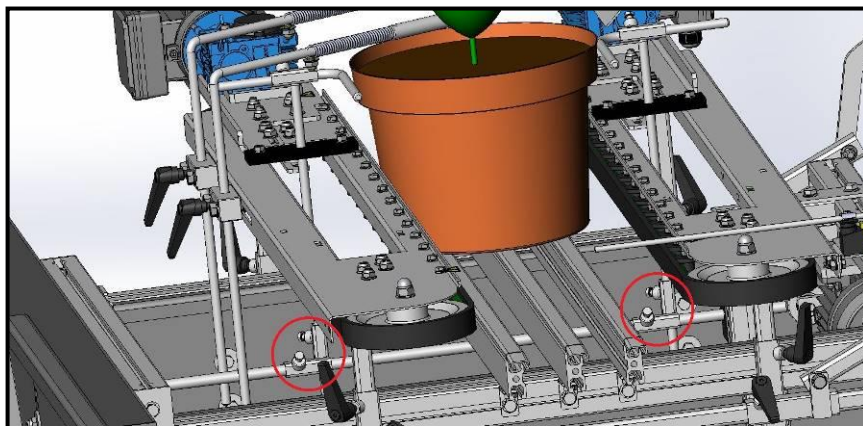
- **Adjusting the vibrating unit**

Like the belt, the height and width of the vibrating unit can be adjusted.

If the width of the belt is changed, the vibrator should also be adjusted in parallel. To do this, the marked screws should be loosened and then the belt can be pushed in the desired direction by hand.

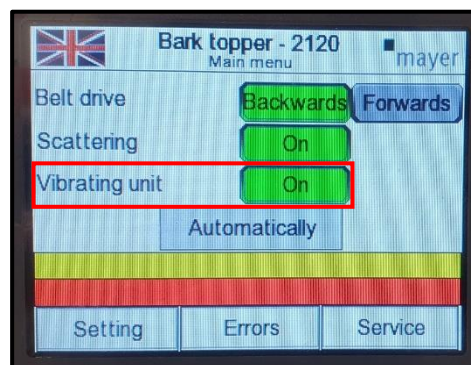
**Important!** There should be a distance of at least 2 mm between the vibrator and the pot!

For height adjustment, the vibrator should be placed under the top edge of the pot after loosening the screws.



The vibrating unit can be switched off for larger and heavy pots that cannot be moved sufficiently by the vibrating unit.

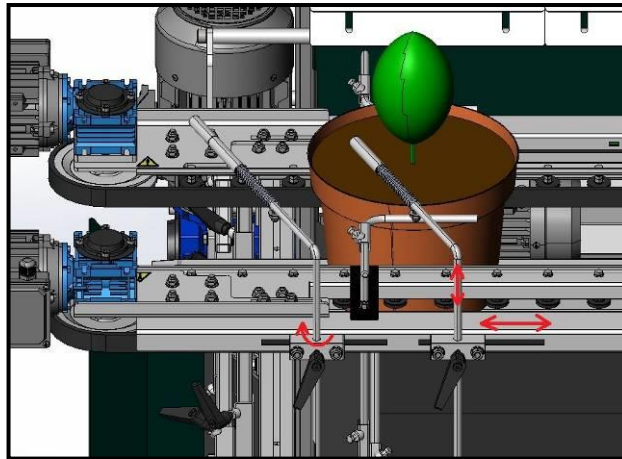
This is done in the main menu - Vibrator - On / Off.





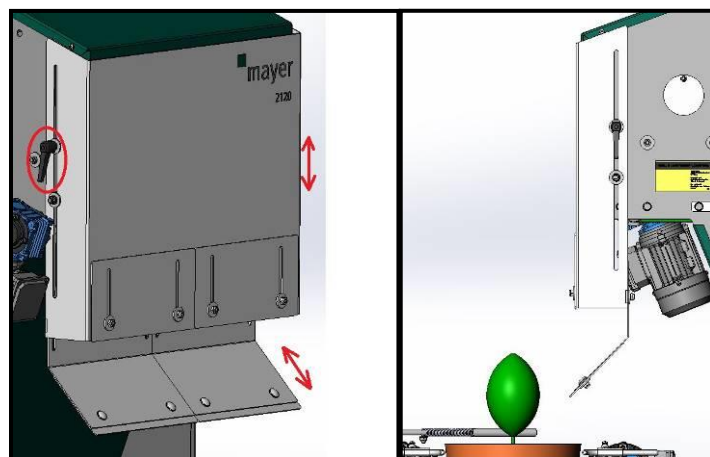
- **Adjusting the pot scrapers**

The pot scrapers can be adjusted alongside the drive belt in height and tangential to the pots.



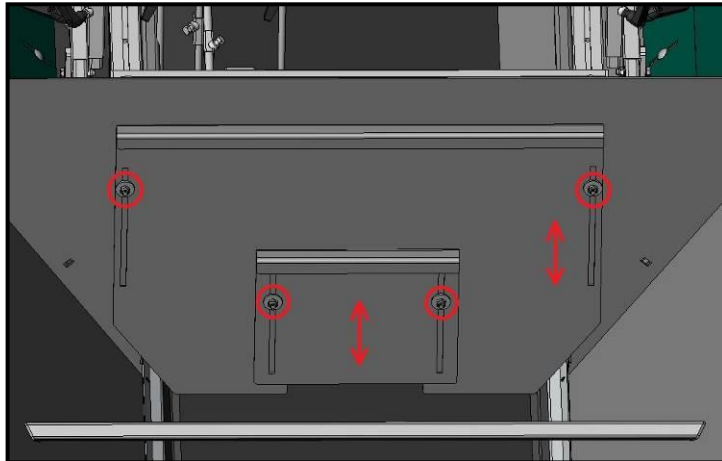
- **b) Adjusting the bark chute**

- The chute must be held on both sides after loosening the clamping levers on the left and on the right so that it does not slide down, then adjust it upwards or downwards. Adjusting the height must always be performed by two persons.
- On the lower part of the chute, the additional sheet can be adjusted to match the pot size after loosening the nuts.
- The chute should be set so that there is a gap of at least 10 cm between the top edge of the pot and the lower part of the chute plate.



### c) Regulating bark amount

- In the rear part of the storage bunker there are two adjusting plates, that can be adjusted in height. With the help of these, the bark amount can be set, which is transported from the storage bunker towards the elevator. After loosening the nuts, the sheets can be moved separately.



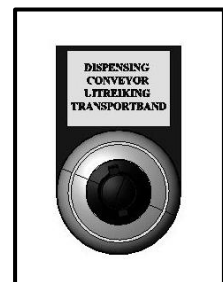
### d) Filling and emptying the machine

- The storage of the open container is about 1 m<sup>3</sup>. It can be loaded in various ways without disturbing or interrupting the work process on the machine.
- The loading can take place:
  - by hand with shovel
  - with wheelbarrow
  - with conveyor
  - with a shovel loader
- When emptying, the material can be either removed by hand, or pushed out after removing the rear cover.

**Attention! The machine may only be emptied when the machine is switched off.**

**e) Adjusting the speed of the dispensing conveyor**

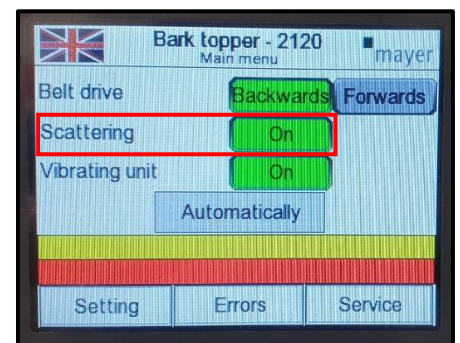
- The working speed of the dispensing conveyor can be adjusted by the potentiometer on the electrical cabinet. So can be regulated the amount of working material.



**f) Modes of operation:**

• **Normal operation**

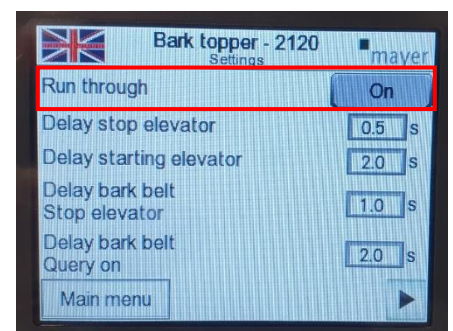
Normally, if you want to scatter bark on the top of the filled pots, select "scattering" in the menu.



• **Run through**

If the bark is not to be scattered, it is possible to switch this function off. Select in the main menu - "Settings" - "Run through".

In this case, the belts rotate constantly, their speed and direction can be adjusted as described above.



**Attention! The various units may only be set when the machine is stopped. Exception: speed and operating settings (on the control panel)!**



## 2 Shutting down the machine

There are two ways to switch off the bark topper.

a)

In normal case by switching „Stop“ on the “Start-Stop Switch” mounted on the swinging cable.

In this case the machine may be restarted by pressing switch “Start”.

b)

In case of emergency, the machine can be switched off by the “**Emergency Stop**” switch.

If the “Emergency Stop” is pressed, the machine stops immediately and remains stopped. After “Emergency Stop” is eliminated, the machine can be started by pressing push button “Start”.

## 3 Measures prior to and after a longer shutdown

### a) Before a long shutdown

- Clean the machine carefully.
- Remove bark, sawdust etc. from the machine.
- Grease and oil certain parts of the machine according to maintenance plan.
- Protect the machine against dirt and moisture (it should be covered)
- Disconnect the machine from power lines (electricity, compressed air)

### b) After a long shutdown

- Visually check the machine.
- Connect the machine to required energy sources.
- Start the machine as described in section „Initial start-up”.

## 7 Malfunctions

To prevent damages to the machine as well as injuries while eliminating malfunctions at the machine, it is absolutely necessary to comply with the following points:

- Eliminate a malfunction only if you have the qualification specified to do so.
- Also read section "General Safety Instructions".
- When eliminating malfunctions at the machine, following special dangers have to be expected:
- Accidentally switching on the power sources can result in injuries to people as well as damage to the machine.
- In case of unprotected manual operation, there is an increased risk of injuries through bruising.

### 1 Behaviour in case of malfunctions

If any malfunctions occur while the machine is in operation, proceed as follows:

1. Stop the machine either using the STOP button or EMERGENCY CUT-OFF, depending on the situation.
2. For personnel or machine security, unplug the machine from the energy supply immediately.
3. Troubleshooting > If necessary, then by qualified personnel
4. Error correction > If necessary, then by qualified personnel
5. Starting up the machine

## 2 Possible malfunctions and trouble shooting

### a) Mechanical malfunctions

Failure/Malfunction	Cause	Trouble shooting
Elevator stops	Larger pieces of bark, wood or foreign bodies have jammed	Run the elevator backwards, remove foreign bodies by turned off machine.
Pot remains/stops in the rotating unit.	Belts are not parallel Belts are too loose	Readjusting Tension belts
No supply of bark	Bark- or dispensing conveyor does not run Drive unit failure Foreign material at the rollers	If drive unit works, retension conveyor belt Replace Remove by turned off machine

### b) Electrical malfunctions

Failure/Malfunction	Cause	Trouble shooting
Bark conveyor belt does not move	Proximity switch defective	Replace
Motor protection switch switches off	Defect in the electrical system	Have the electrical system checked by a specialist
	Mechanical overload	Remove any foreign bodies that may be present

## 8 Maintenance

When carrying out maintenance for the machine, it is essential to comply with the following safety instructions. Doing so will prevent injuries to people, damage to the machine and other damage to property as well as the environment.

- **Cleaning, lubricating and maintenance work may only be carried out by authorised operating personnel. The Operating Instructions must be complied with exactly.**
- Only trained electricians may ever carry out any of the work on the machine's electrical equipment.
- Switch off all power supplies and secure power supplies against being accidentally switched back on.
- Release pressure of every unit that is under pressure.
- All interventions in the control programme of the machine may only be carried out by Mayer GmbH & Co. KG.
- All un-recycled operational materials, lubricants and supplies must be disposed of in an environmentally friendly manner.
- Also read section "General Safety Instructions".

When carrying out maintenance on the machine, the please note following special dangers:

- Installing incorrect spare parts or worn parts can cause severe damage to the machine.
- Accidentally switching on the power source can result in severe bodily injuries and damage to the machine.
- There is a danger of getting injured on sharp-edged machine parts/tools.
- Leaked lubricants or fertilisers can cause burns if they in direct contact with the skin.
- In case of unprotected manual operation, there is an increased risk of injuries through bruising.

## 1 General notes

We recommend an annual inspection of the entire machine by our customer service.

For service or repair work, order our customer service at one of our service workshops.

Spare parts have to meet the technical requirements of the machine's manufacturer. This is guaranteed with original spare parts from Mayer.



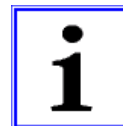
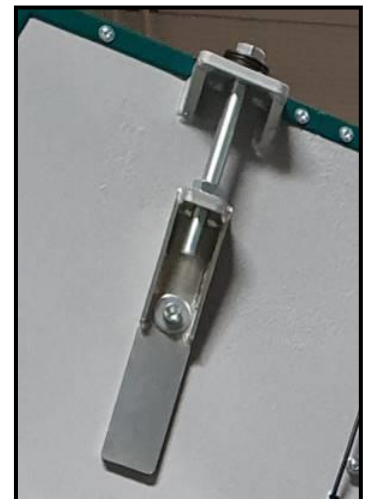
## 2 Inspection and preventative maintenance

### 2.1 Elevator chains

Chains may be re-tensioned by means of tensioning spindles located on two sides of the elevator. Check regularly if the chains are tensioned properly. When the chain is too loose the plates may jam with edge of the housing.

Over tensioned chain requires an excess of driving power and causes too quick wear. When the chains are re-tensioned both of them shall have the same tightness. With the bark holder being completely empty and the elevator being at the height of the potholder, normal tension is available when the chain can be moved about 3-4 cm by hand.

**Grease elevator chain prior to a longer shutdown!**





## 2.2 Bark conveyor belt

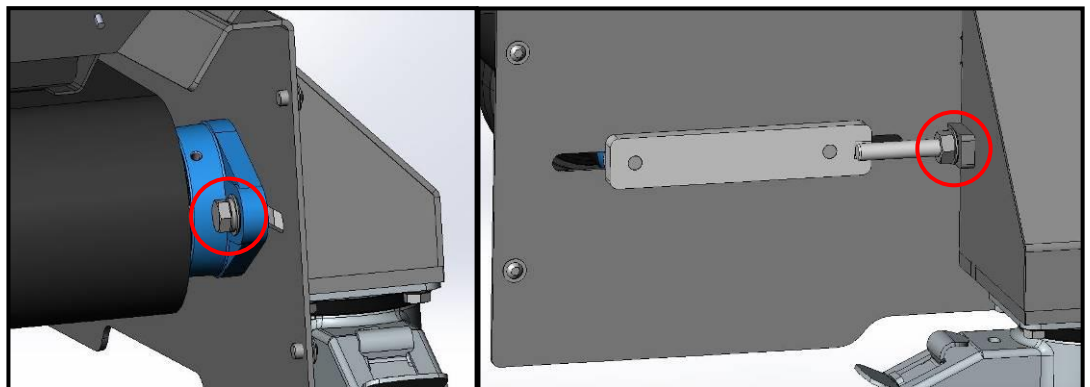
**In general, the bark conveyor belt does not need to be tensioned.**



However, e.g., after repair work on the machine, it is necessary to adjust the bark conveyor belt, proceed as follows:

The tension of the bark conveyor belt is regulated with the nuts on the back of the bark container. Even re-tensioning is particularly important here so that the belt does not run on one side.

**Note the maintenance plan!**



### 2.3 Dispensing conveyor belt

**In general, the bark conveyor belt does not need to be tensioned.**



However, e.g., after repair work on the machine, it is necessary to adjust the dispensing conveyor belt, proceed as follows:

The tension of the dispensing conveyor belt is regulated with the tensioning spindles on both side of the elevator after the screws on the tensioning plates have been loosened. Even re-tensioning is particularly important here so that the belt does not run on one side. After retightening, the screws should be tightened again.

It is also important to ensure that the groove of the rollers does not become full of bark. If necessary, the grooves should be cleaned from time to time.



## 2.4 Drivebelts

The belt can be retightened by hand by loosening the marked nuts. This setting must always be carried out by two people. One person tightens the belt, while the second person checks the tension of the belt and then secures the bolts or nuts. Too little tension leads to the belt slipping, belts that are too tight require an unnecessary amount of power for the drive and are subject to increased wear. The tension is optimal, when the belt can be pulled out by hand by approx. 3-4 cm in the middle.



### 3 Maintenance schedule

Description	Time	
Clean and grease elevator chain	monthly before longer shutdown	
Grease all flange bearings fitted with grease nipples	yearly	
Tension elevator chains		

## **9 Spare parts**

## **10 Circuit diagrams**

## 11 Guarantee

### **Horticultural machinery and special machinery**

We will accept liability for faults in the supplied goods and for any failure to provide features for the existence of which an express assurance had been given. In such a case we undertake – to the exclusion of all further claims – to improve or re-supply (at our discretion) free of charge any parts which have revealed themselves to be unserviceable or subject to a not inconsiderable impairment in serviceability due to faults in their material, manufacturing process or design within twelve months (or within six months for multi-shift operation) of their arrival on the customer's premises. For parts which we do not manufacture ourselves (e.g. motors), we can only accept liability for the same scope and length of time which the subcontractor has accorded to us.

Any replaced parts shall become our own property. No warranty claims can be accepted if the fault occurs as a result of the customer having mistreated or neglected the products delivered by us, made modifications or undertaken repairs incorrectly or without our prior approval, or had third parties undertake such work.

The customer's entitlement to assert claims due to faults shall in all cases lapse six months following a complaint made within the required time period, however no sooner than the end of the compulsory warranty period. We are not responsible for correcting faults unless the customer has fulfilled its obligations due to us up to the point when the fault became apparent.

## **Changes in the design and shape of horticultural machinery and equipment**

We reserve the right to make changes in design and shape, in particular with regard to deviations from the drawings and descriptions etc. during the delivery period, provided that the purchased object is not thereby significantly altered, rendered less effective or reduced in value and the customer can reasonably be expected to accept the modifications.

**You have chosen to purchase a product of true quality.**

**We wish you every success with your product.**

**We would be most grateful if you would recommend our products to others.**

**Thank you.**

**Your MAYER TEAM**

