



# BIZON-INS

Translation from Bulgarian into English

## MANUAL FOR ASSEMBLY AND HANDLING



### LAVENDER HARVESTING MACHINE MKL 2K



### LAVENDER HARVESTING MACHINE MKL 2R

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# **INTRODUCTION – MANUAL MKL 2K/MKL2R**

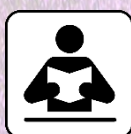
*Thank you for your decision to buy the machine MKL 2 designed to harvest lavender crops.*

*Its design and construction of this machine is based on the vast experience of specialists in growing and harvesting lavender and also on multiple notes from our customers who have real time experience with the machine.*



*The design of MKL 2 is a subject of constant observation and improvement.*

*We wish you smooth operation and are at your disposal for any information related to the machine.  
Before starting MKL 2, please read this Operation Manual carefully.*

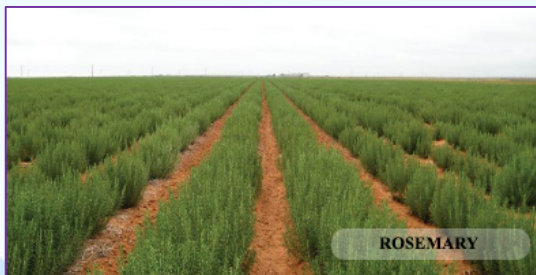
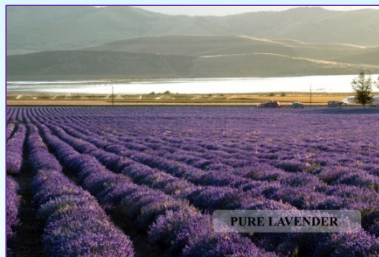




## **1. DESCRIPTION – MANUAL MKL 2K/MKL 2R**

### ***Application***

MKL 2 is designed for fragrant plants (pure and hybrid lavender, salvia, rosemary and any stem plants growing in rows and forming tufts).



The machine will lift the stems, cut and transport them into the rear of the tractor, where they are stored in a special basket, trailer or any other kind of container.

### ***Description and functionality***

MKL 2 consists of mechanically welded chassis with a specific sharp knife for cutting the plants. At the front part of the chassis there are two devices placed on a horizontal axis forming a shape of V (headers) (Picture 1).

A special mechanical unit lifts up the plants directly from the ground and the wave-shaped rubber band attracts them to the cutting device. Being cut, they are taken up by a moving transporter band which carries them to the trailer at the rear part of the tractor.



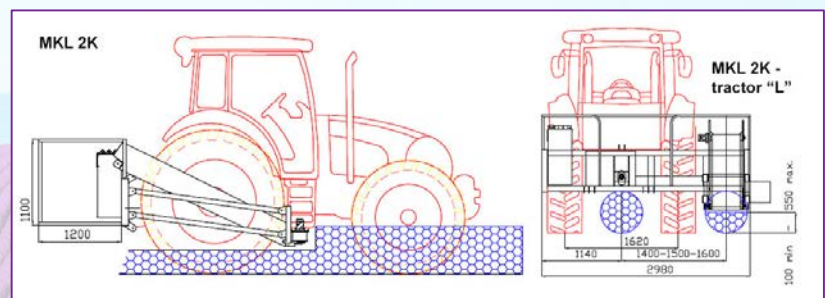
# 1. DESCRIPTION – MANUAL MKL 2K/MKL 2R

## Technical data

Capacity	0.15 ha/h
Tractor speed (when mowing)	3 km/h (1.9 m/h)
Cutting height - minimum	min. 0.1 meter (3.94 inches)
Cutting height - maximum	max. 0.55 meter (21.65 inches)
Distance between plants in a row	0.3 – 0.5 meters (11.8 – 19.7 inches)
Distance between rows of plants	1.4 – 1.6 meters (4 feet 7½ in- 5 feet 2 in)
Maximum opening of the header	0.7 meters (27.56 in)
Header arms inclination	0° - 35°
Hydraulic system: three circuits <ul style="list-style-type: none"> <li>- <b>1<sup>st</sup> circuit</b> movement of the cutting instrument</li> <li>- <b>2<sup>nd</sup> circuit</b> movement of the chains of alveoli and the transporting band</li> <li>- <b>3<sup>rd</sup> circuit</b> feeding of the hydraulic system and 4+3 position hydraulic distributor</li> </ul>	Pressure 100 Bar, flow 20 L/min  Pressure 100 Bar, flow 12 L/min

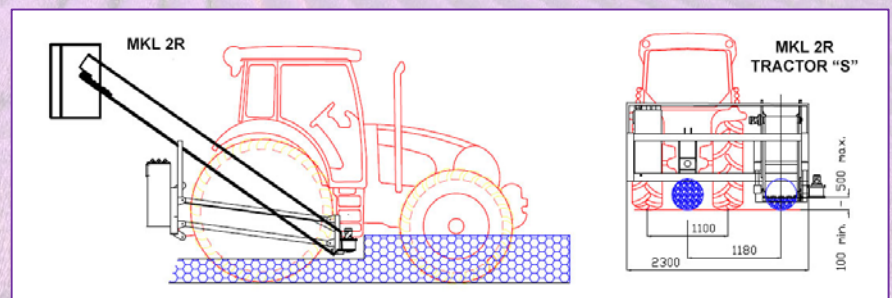
### Overall dimensions MKL 2K

Length	3.5 meters (11 feet 6 inches)
Width	3.0 meters (9 feet 10 inches)
Height	1.5 meters (4 feet 11 inches)
Weight	900 kg



### Overall dimensions MKL 2R

Length	4.5 meters (13 feet 1 inches)
Width	3.0 meters (9 feet 10 inches)
Height	1.8 meters (5 feet 11 inches)
Weight	900 kg





## **1. DESCRIPTION – MANUAL MKL 2K/MKL 2R**

### ***Limitations***

The minimum lifting height is **10 cm (4 inches)** above the ground and

The maximum is up to **55 cm (21.6 inches)** above the ground.

The ground speed of the tractor is about **3 km/h (3.73 mph)**.

### ***Usage conditions***

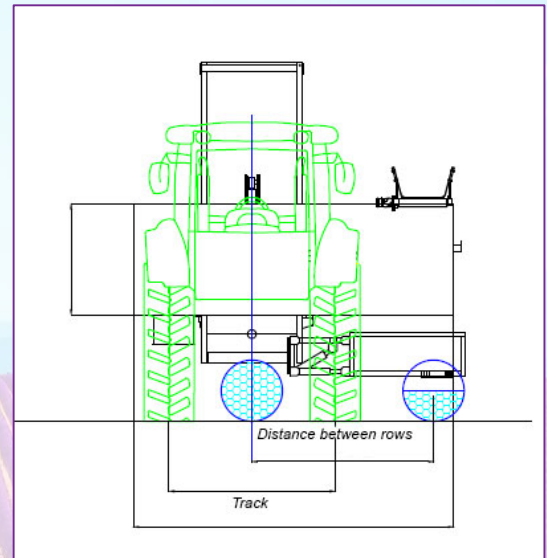
- Environment temperature from 5° C to 40° C (41° F to 104° F) ;
- Fire hazard degree – normal.

Harvesting lavender crops depends very much on the disposition and location of the plot.

For mechanized harvesting

- the **optimal distance between plants in the row should be between 0.3 to 0.5 meters (11.8 – 19.7 inches)**, and
- the **distance between the rows of plants should be from 1.4 to 1.6 meters (4 feet 7½ in- 5 feet 2 in)**.

These distances may vary depending on the different kinds of lavender. The basic idea is to obtain a row of homogeneous density.





## 2. MOUNTING TO THE TRACTOR – MANUAL MKL 2K/MKL 2R

The Lavender Harvesting machine, model MKL 2 is attached to the three-point linkage of a standard tractor. For this model is needed a tractor with lifting capacity at the 3-point linkage should be 1500-2000 kg. The weight of the tractor has to be 2000-3000 kg



MKL 2K



MKL 2R

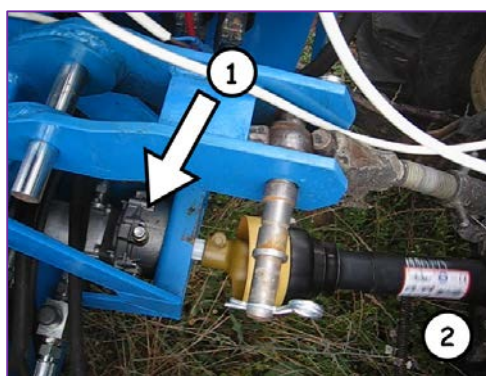
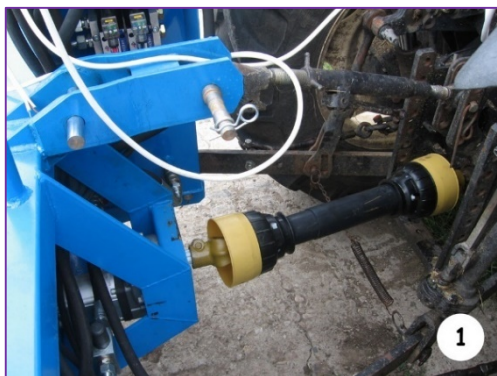


*Assembly of the MKL 2R or MKL 2K is to the three-point linkage of the tractor and **is same for any tractor**. The linkage must carry over 2000 kg.*

Assembly of the MKL 2 is to the three-point linkage of the tractor and **is same for any tractor**. (Picture 1 and Picture 2). The linkage must carry over 2000 kg.

The hydraulic system of the Lavender Harvesting machine is activated by the tractor PTO shaft at 540 rpm by means of a cardan (Picture 1). The same cardan also engages an intensifier (① picture 2) coupled to the hydraulic pumps.

It is important for the locking ends of the cardan to fit both the PTO of the tractor and the Intensifier of the attached machine.



The intensifier has a 6-splint nest and is always completed with a 6-splint shaft (Picture 2a) to match the cardan outlet.





## 2. MOUNTING TO THE TRACTOR – MANUAL MKL 2K/MKL 2R

The lavender harvesting machine MKL 2 (Picture 3 and 4) is shipped in one unit placed on a transportation frame on rolls for more convenience in transportation, storage and mounting.



MKL 2K



MKL 2R

On the transportation frame there is

- ✓ the completed cutting mechanism with the
- ✓ rubber band long **4.5 meters** (14 feet 9 inches) for **MKL 2K**
- ✓ rubber band long **2.2 meters** (7 feet 3 inches) for **MKL 2R**
- ✓ mounting frame with the control box for the hydraulic equipment.

The transportation frame will not be used after mounting the machine to the tractor.



The **basic machine - tractor** should be in a good technical condition and ready for operation before the Harvesting Machine is assembled to it.

The main frame of the machine is placed to the rear right side of the tractor (Picture 5 and Picture 6).



MKL 2R

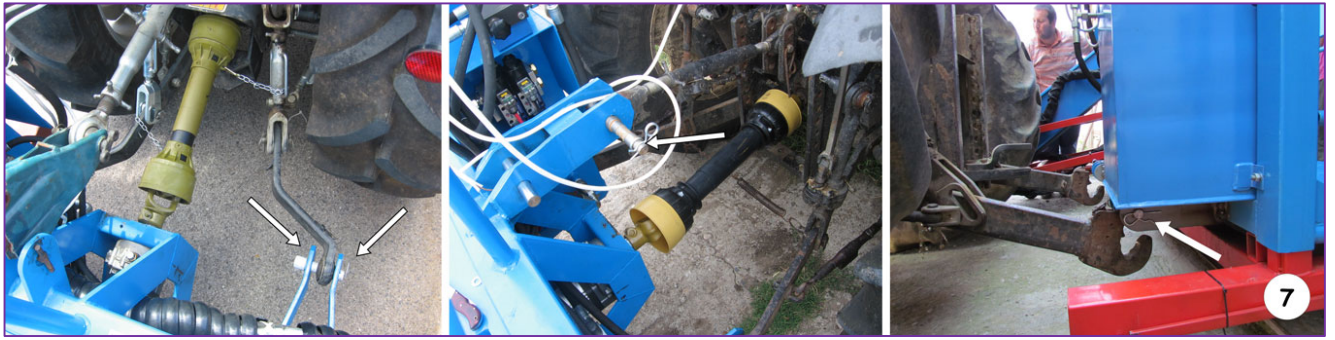


MKL 2K



## 2. MOUNTING TO THE TRACTOR – MANUAL MKL 2K/MKL 2R

The tractor is positioned with its linkage system to the coupling points of the frame of the machine (Picture 7). The 3-point linkage system of the tractor couples to the arms of the machine by means of pins.



**Attention:** Non properly locked endings of the cardan shaft could lead to disengagement of the cardan and its loose rotation that could end up with heavy incidents.



After hitching the machine and locking with pins the linkage points have to be adjusted until the whole machine is horizontally levelled (Picture 8).



While fixing the mainframe of the machine, one should leave 5 cm (2 inches) distance between the front right tire of the tractor and the frame of the machine (Picture 9).



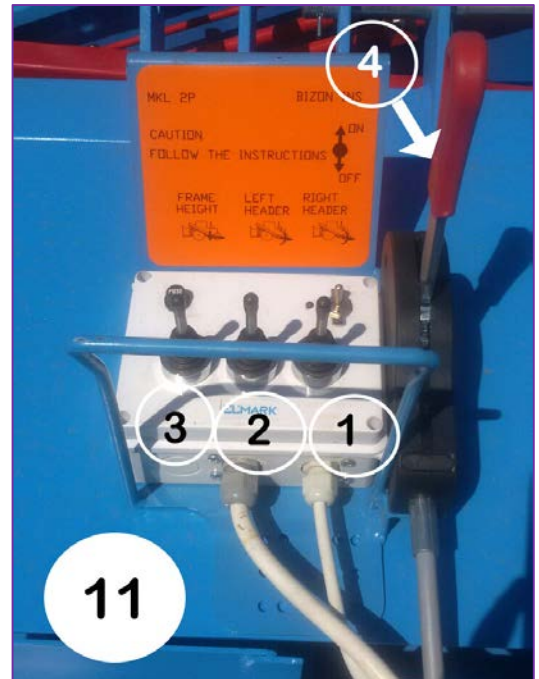
Lateral adjustment of the mainframe is obtained by movement of the hydraulic cylinder on the rear part of the machine. This movement is controlled from the cabin by one of the controls for attachments located on the 3-point linkage system (the red cylinder on Picture 10).



### 3. INSTALLATION OF THE CONTROL PANEL – MANUAL MKL 2K/MKL 2R

The control panel (Picture 11) is to be placed in a comfortable and easy for access place in the cabin where it will not interfere with the steering wheel. The operator must have a good visibility of the header during work. The control panel has electrical joysticks on it to control operation of the machine.

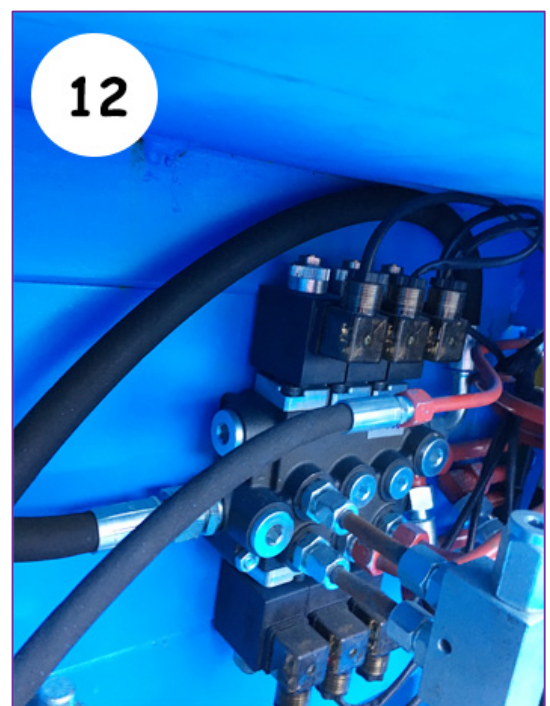
The operator has to easily access and operate the joysticks to change the settings of the machine.



Lever ① on the right side controls lifting **up** and **down** of the **right arm** of the header  
Lever ② in the middle controls lifting **up** and **down** of the **left arm** of the header  
Lever ③ on the left side serves to lift the **entire frame together** with the header in order to choose the needed height of mowing and/or adjusting it in the process. Pushing the joystick forward lifts the header-and-frame **up**, pulling it downward drops it **down**.

On the Control Panel there is also **ON-OFF** switch for breaking off Power Supply 12V DC.

The joysticks control electrical magnetic hydraulic valves (Picture 12). These hydraulic valves are powered by the third (last) hydraulic pump.





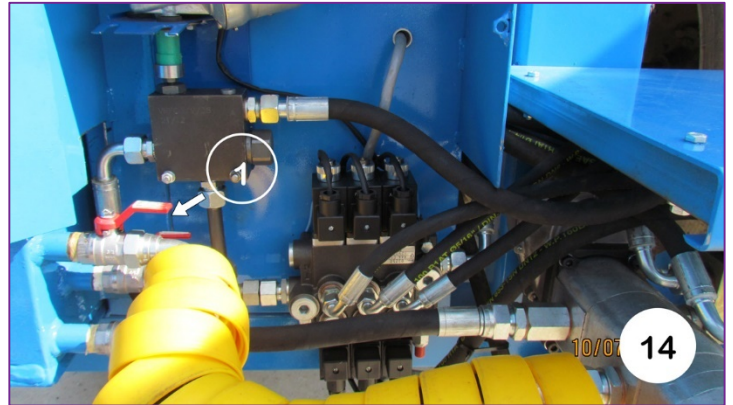
#### **4. OPERATION (checks before starting the machine) – MANUAL MKL 2K/MKL 2R**

After the machine is correctly mounted to the tractor we can start it.

Still there are few more checks to be done:



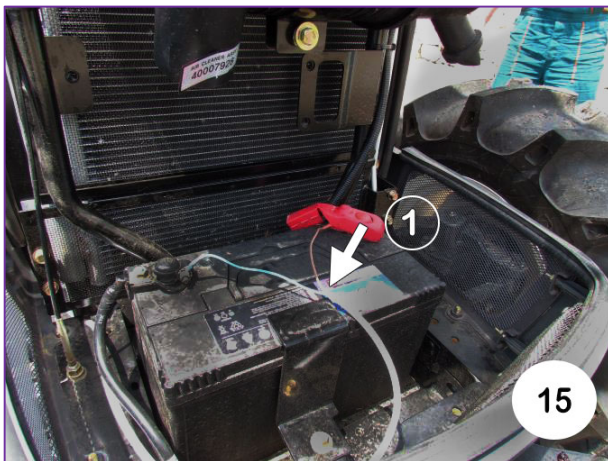
- ✓ Before operating the machine you should check the level of the hydraulic oil. The indicator is to be above the middle of the scale (Picture 13). If needed add some good quality hydraulic oil. If the indicator has a thermometer the oil temperature should not exceed 60-80° C.



- ✓ You must check hydraulic oil tank taps ① (Picture 14). They have to be opened with the handle directed along the hose. If, by chance, any of these taps remains closed, consequently the relative hydraulic pump will stay without oil supply. Some commands to the machine will not be fulfilled and this might result in a pump failure.



**These taps are closed only when hydraulic pumps are serviced or replaced.**



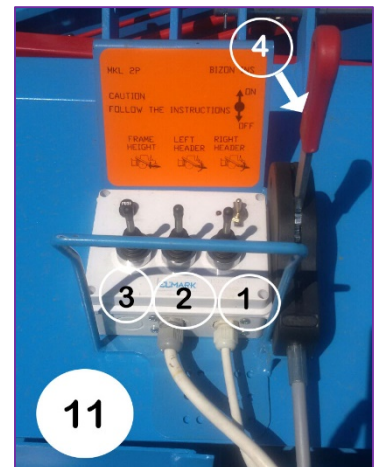
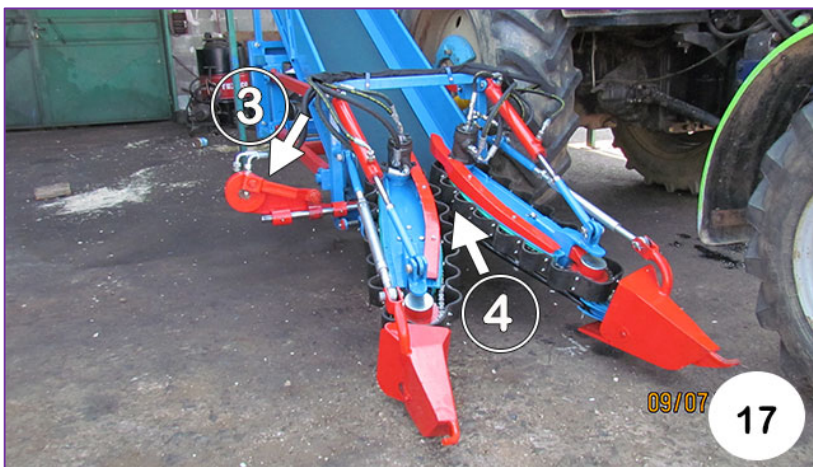
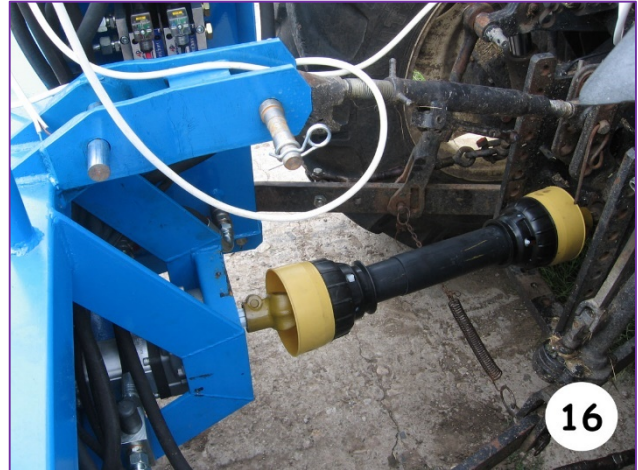
- ✓ Check connection of the cable ① feeding the control panel (Picture 15). This cable have to be connected directly to the battery or any other supply of 12V DC. While connecting you can check using **On-Off** switch on the panel of the indicator lights up in On position.



## 5. OPERATION (engaging the machine) – MANUAL MKL 2K/MKL 2R

After all the above checks are done you can get to start the machine on.

Set the cardan shaft at position 540 rpm. Engage the shaft at low and slowly release the clutch until the shaft starts rotating (Picture 16).



Engaging of the cardan shaft and the hydraulic pump will **start on the cutting mechanism** ③ (Picture 17). Using the lever ④ next to the control panel (Picture 11) you will **start and control the speed of the rubber alveoli** ④ (Picture 17).

Having all these mechanisms moving and under control you can accelerate the speed of the shaft to **400-450 rpm**.



## 6. PREPARATION OF THE TRACTOR (REVISION) – MANUAL MKL 2K/MKL 2R



**Attention:** It is highly important when implementing Lavender Harvesting machine MKL 2K/MKL 2R to ensure it's correct and safe work. To have the basic machine – the tractor in perfect condition is equally important and it has to be in an excellent technical condition.

The 3-point hitch system of the tractor should be tight and responsive to commands.

All the hydraulic system including the drive and the back container are hitched to the 3-point linkage. If there is a pin to fix the joint between the attached frame and the hitch, you should make sure that these are duly inserted and fixed.



You are to check and set the position of the cutting mechanism in a way that it is positioned to the middle of the row to cut and the next row passes below the tractor (Picture 19).



**Wider setting** will lead to difficulties at work and incorrect usage of the machine.

**Wider setting** will result in squashing the plants in the row and will have difficulties in maneuvering, because the tire of the tractor will touch the header at turning. You will also have a bad quality of mowing.



Lateral adjustment of the mainframe is obtained by movement of the hydraulic cylinder on the rear part of the machine (Picture 10). This movement is controlled from the cabin by one of the controls for attachments located on the 3-point linkage system .



## 6. PREPARATION OF THE TRACTOR (REVISION) – MANUAL MKL 2K/MKL 2R

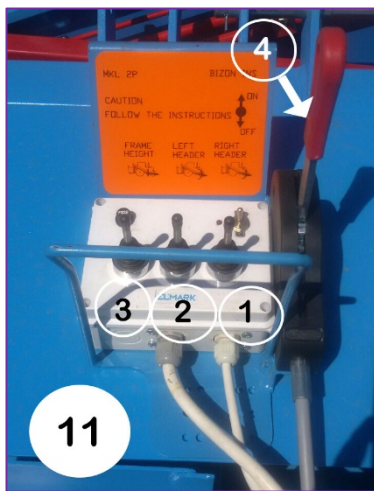
The hydraulics of the Lavender harvester MKL 2 is driven by PTO (power-take-off). This control should be easily accessed and easy to handle for ON and OFF. At everyday work with the machine you need to engage the PTO of the tractor many times during the day.



**Attention:** The PTO should be all the time switched to position 540 rpm.

## 7. WORKING WITH MACHINE MKL 2K AND CONTROLS – MANUAL MKL 2K/MKL 2R

**After all the steps above for preparation of the tractor and the Lavender Harvesting machine MKL 2 are done, you can start using the machine.**



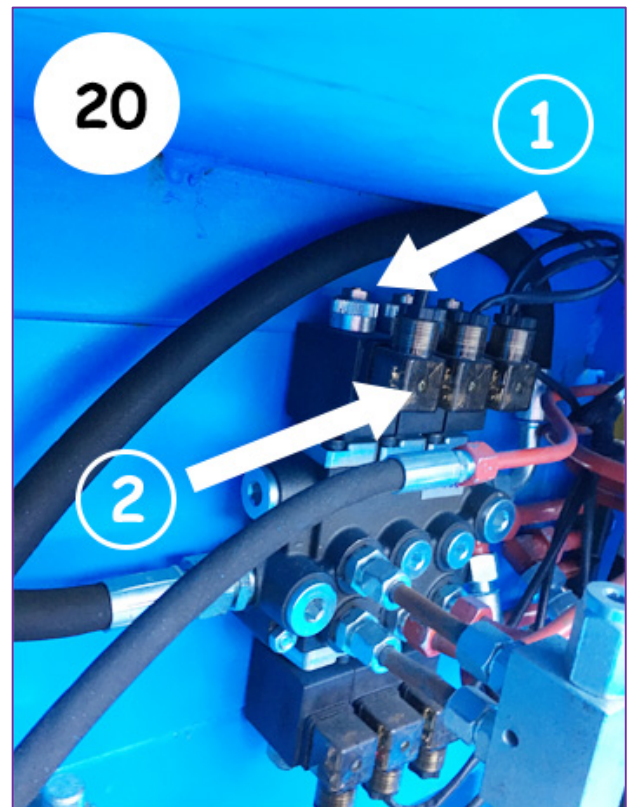
After engaging the cardan shaft and starting the hydraulic pump you should use the joysticks on the command panel and the lever ④ (Picture 11) and try all the commands 2 to 3 times to assure that machine is correctly controlled.



**Attention:** The operator should activate the joysticks smoothly and without jerky movements.

The joysticks control the electromagnetic hydraulic distributors ② (Picture 20). When touched, every joystick sends an electric signal to the terminal of the electromagnet, the LED lights on every section proving that command from the joystick reaches the hydraulic distributor.

When there is a problem with commands from the joystick or the machine is blocked we can release it by pressing the point of a screwdriver in the middle of the electromagnet ①. Same action can also give any command to the machine, providing there is a problem with electrical signal from the cabin.





## 7. ADJUSTING THE SPEED OF ALVEOLI – MANUAL MKL 2K/MKL 2R



The speed of the alveoli is adjusted by the lever ④ (Picture 21), that commands a three-way flow regulator changing the required flow of hydraulic oil to the hydro motors driving the alveoli . Pushing/pulling the lever will speed up or slow down the movement of alveoli.

The conveyance of the lavender tufts is very important for the good quality of cutting. The tuft **is not to slow down** (slow speed of the rubber band) during cutting, otherwise it is possible that plants are plugged out. In case the wave-shaped rubber (alveoli) **conveys the tufts faster**, a tear of the petals may appear and this affects the quality of the end product.



### **IMPORTANT!**

The tufts of the plant should be transferred by the alveoli rubber band in a way that during cutting the plants are upright or slightly bent towards the cutting mechanism (Picture 21). This is achieved by matching the tractor speed to the adequate speed of the alveoli.





## TENSIONING OF THE TRANSPORTING BAND – MANUAL MKL 2K/MKL 2R

The required tension of the transporter band is defined by its sagging ② (Picture 22). It should not exceed 5 – 6 cm (2 -3.26 inches) measured to the center of the side of the transporting channel.

**Over tensioning** (sagging < 5 cm (2 in)) leads to fast wear and tear of the band.

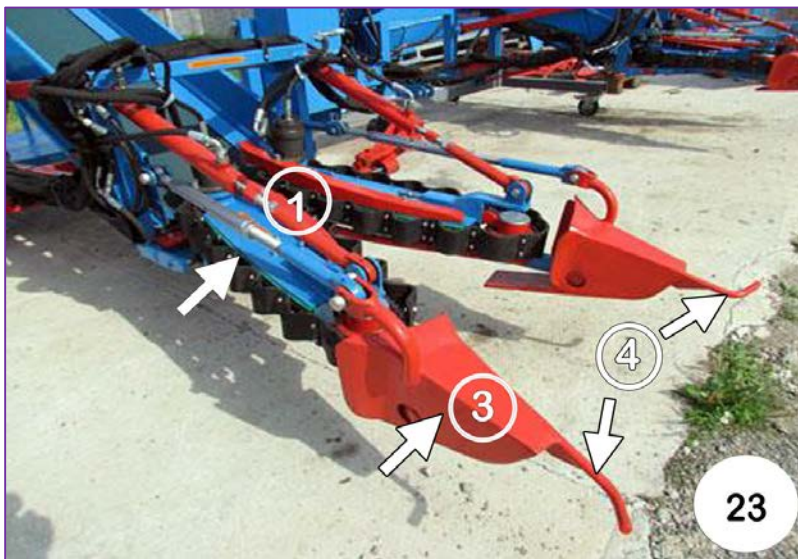
**With a bigger sag** (> 6 cm (3.26 in)) the motion cylinder can slide.



The band should be centered to the roll when there is no load.

Centering and tensioning are made by means of the two regulators ① at the rear of the transporter (Picture 22).

## ADJUSTING THE CUTTING HEIGHT – MANUAL MKL 2K/MKL 2R



While cutting the lavender one should keep a certain height of cutting the flowers in accordance with the peculiarities of the flowers on the field.

***To set this height you need:***

- 1) Using the joystick position the cutting mechanism together with the header at about 35 cm (14 inches) from the ground;
- 2) Lower the left and the right arm of the header until the front sliders ③ (Picture 23) touch the ground;



## ADJUSTING THE CUTTING HEIGHT – MANUAL MKL 2K/MKL 2R

- 3) With the sliders on the ground, the front collectors (hooks) have to be at 5-10cm (2-4 inches) above the ground. These hooks are not to pierce the ground.
- 4) Setting sliders and hooks at the desired level is achieved by winding/unwinding of the nut of the tensioner ① (Picture 24a). The heels of the sliders ③ (Picture 24a) are to touch the ground slightly to assure smooth sliding.

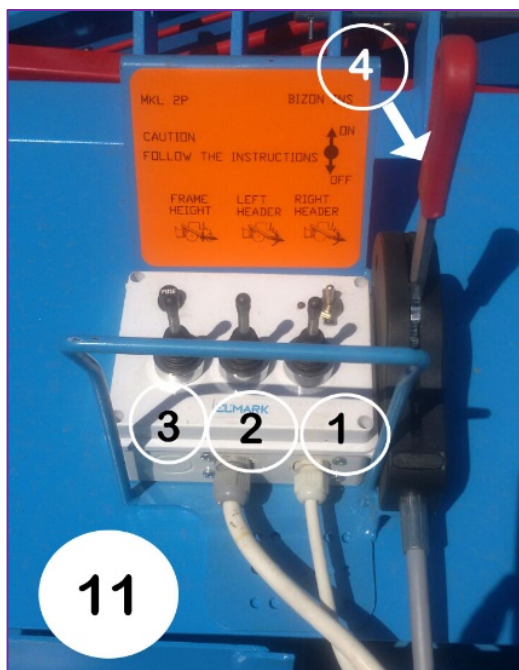
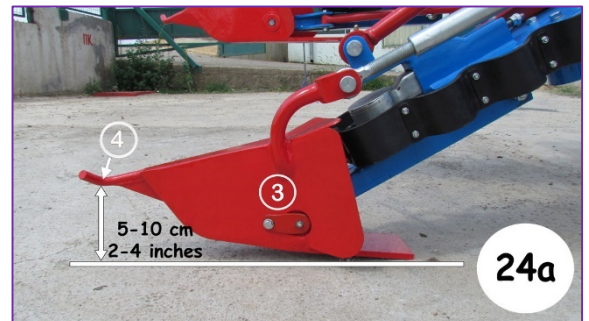


**The front collectors (hooks) are to be at 5-10cm (2-4 inches) above the ground.**



**It is very important to apply the correct setting to the sliders!**

- 1) Winding and unwinding of the pin of the pushrod to the slider ① (Picture 24) will change the pressure of the slider to the ground.
- 2) To adjust this pressure correctly you need to position the joystick ① (Picture 11) to be in neutral position. Then you need to wind/unwind the nut ① (Picture 24) until the slider is well balanced for a slight touch to the ground (Picture 24a).
- 3) Same setting is to be applied to the other arm of the header. Respectively joystick ② (Picture 11) is put in neutral position and winding/unwinding the nut ② (picture 24b) until the slider is well balanced for a slight touch to the ground (Picture 24a).
- 4) This position is very important for managing the uneven terrain surfaces. Encountering an obstacle the slider is to pull up.



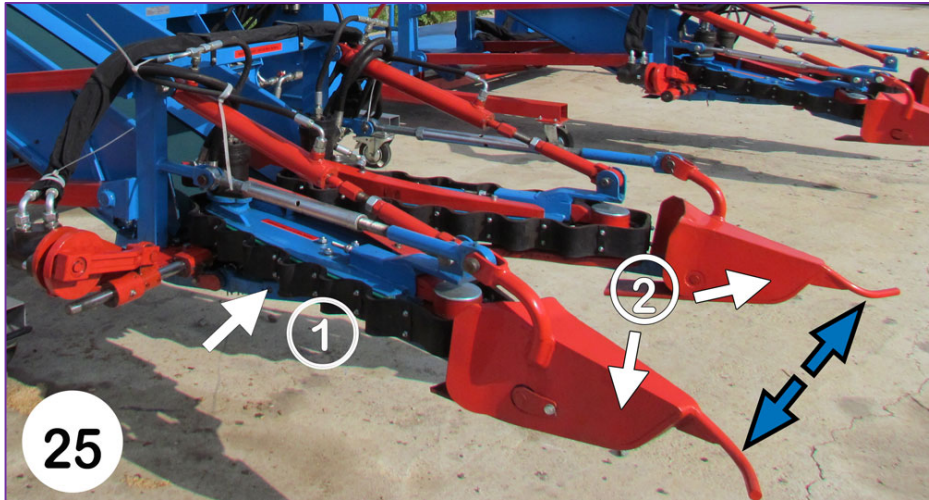
**Attention:** The incorrect adjustment of the sliders could lead to their sticking in the ground and further damages to the machine.



## ADJUSTING THE WIDTH OF THE COLLECTING HEADER – MANUAL MKL 2K/MKL 2R

Depending on the size of the plants (and the width of the row) the opening of the header should be adjusted (Picture 25). The collector opening has three options:

- ✓ **Maximum** opening up to 80 cm (31.5 inches)
- ✓ **Medium** opening up to 60 cm (23.6 inches)
- ✓ **Minimum** opening up to 40 cm (15.75 inches)

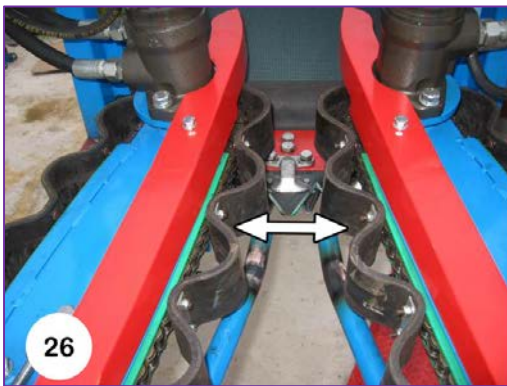


Adjustment is carried out by taking out of the fixing pin ① (Picture 25) of the two lower frames of the header (collectors). Then the front ends of these frames are to be lifted and shifted into the desired direction – inwards in order to decrease the distance and outwards in order to increase it ② (Picture 25). When the holes of the movable parts of the lower frame match each other, then the fixing bolt pin is put in place again.

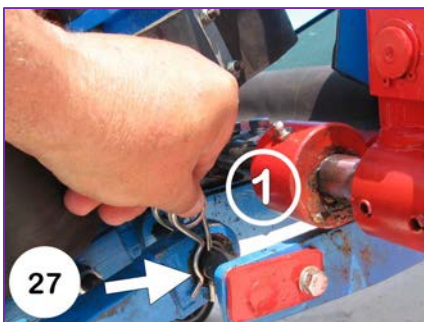


**Attention:** *It is necessary to recheck if you have put the fixing pins before starting to work. If not, it is obligatory to place them.*

## ADJUSTING THE WIDTH OF THE COLLECTING HEADER – MANUAL MKL 2K/MKL 2R



When the lavender tufts are bigger it is necessary to increase the distance between rubber alveoli in the cutting area (Picture 26)



Adjustment is carried out by taking out of the fixing pin ① (Picture 27) and sliding sideways along the axe of the header arms until you find the correct pinhole to place the fixing pin.



**Attention:** *It is necessary to recheck if you have put the fixing pins before starting to work. If not, it is obligatory to place them.*

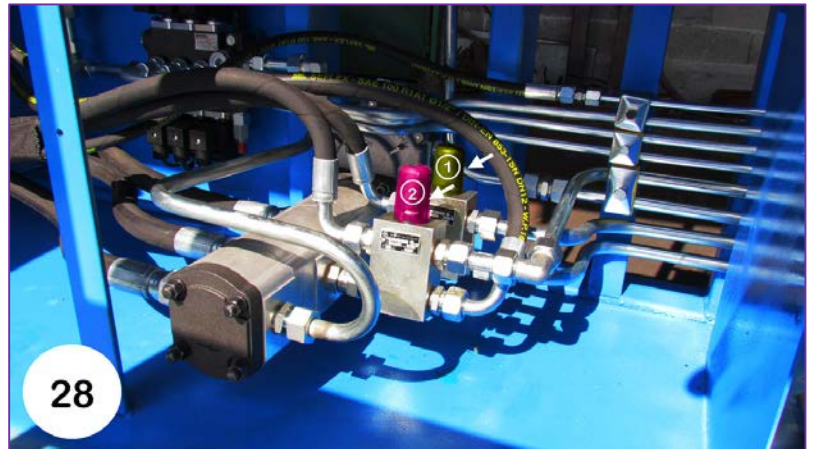
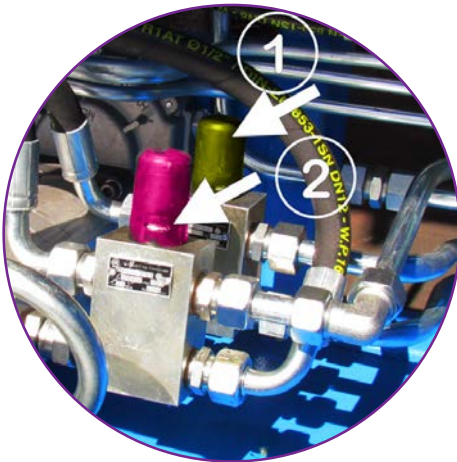


## ADJUSTING THE PRESSURE IN THE HYDRAULIC SYSTEM – MANUAL MKL 2K/MKL 2R

The maximum working pressure on the hydraulic pump valves is **120 bar** needed for the correct operation of the machine .

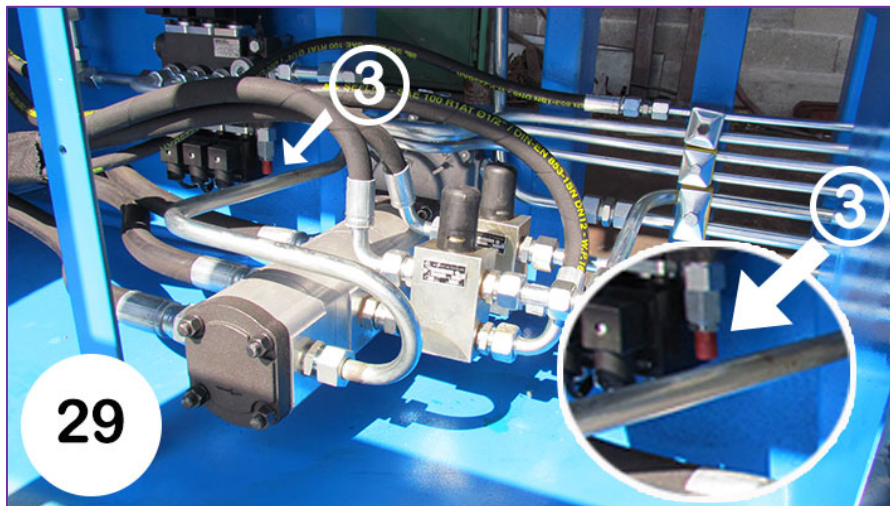


**Attention:** Setting of the pressure had to be performed exclusively a specialist and with specific tools.



Setting is performed in all the three circuits:

- ✓ **Circuit 1** to drive the cutting instrument. Setting is applied at the screw or the handle ① (Picture 28);
- ✓ **Circuit 2** to drive the chain of the alveoli and the transporting band. Setting is applied at the screw or the handle ② (Picture 28);



- **Circuit 3** commands electromagnetic valves and its setting valve (the red cup) is in the hydraulic box ③ (Picture 29).



## ADJUSTING THE PRESSURE IN THE HYDRAULIC SYSTEM – MANUAL MKL 2K/MKL 2R

The maximum working pressure on the hydraulic pump valves is **120 bar** needed for the correct operation of the machine .



**Attention:** Always check the level of the hydraulic oil. The level should be within the limits of the indicator (Picture 30). .



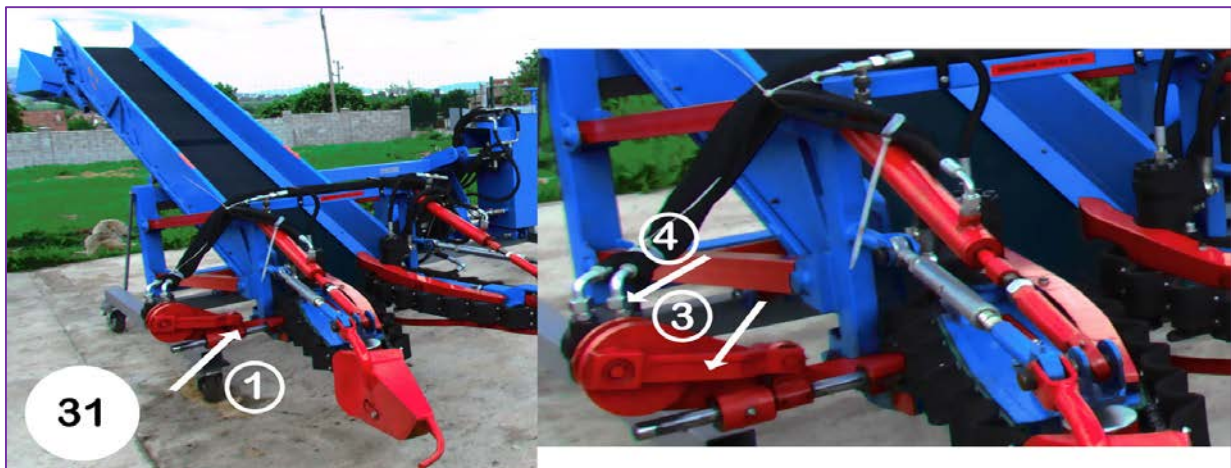
Working with the machine when the oil level is below the limit is absolutely forbidden!



When the hydraulic oil level indicator can also read temperature, it should not exceed 70-80° C.



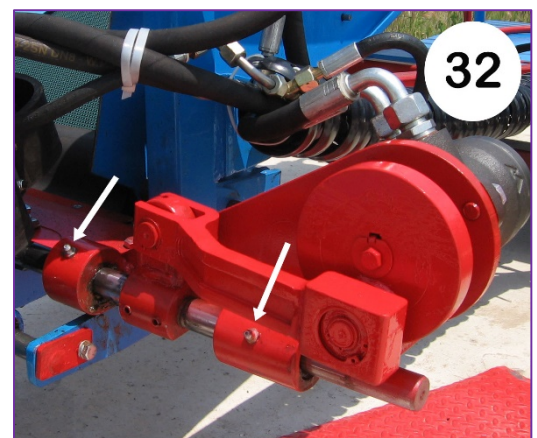
## CUTTING MECHANISM – MANUAL MKL 2K/MKL 2R



The cutting mechanism is set in motion by a hydraulic motor (4) and connecting rod (3) (Picture 31) transfers the oscillating motion into horizontal movement of the cutting knives.

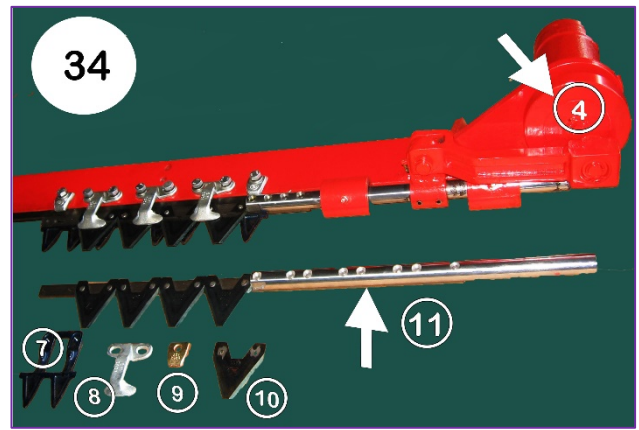
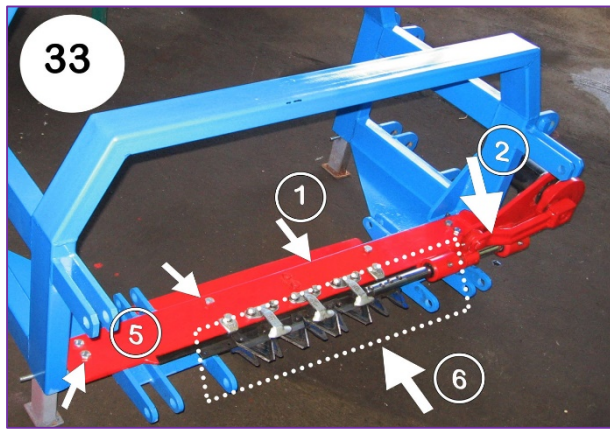


For proper functioning is better to apply grease lubrication on the greasing plugs (Picture 32) and the spherical bearing of the connecting rod every 2 hours of work.





## CUTTING MECHANISM – MANUAL MKL 2K/MKL 2R



All the cutting equipment is positioned on a supporting bar (1) (Picture 33). This supporting bar is attached by means of 6 bolts (5) to the main frame. In order to perform maintenance, replacement of knives or plates, it is necessary to remove the whole device.

The cutting mechanism consists of (Picture 34):

Counterknife (7)	(4 pcs)	Knife section (10)	(4 pcs)
"T"-shape clamping plates (8)	(3 pcs)	<b>Cutting knife set (11)</b>	<b>(1 pc)</b>
Short plate (9)	(2 pcs)		

*Delivered as a spare part*

You should grease the cutting knives, the counter-knives as well as the main bar and the clamping plate for better performance **every hour**.



**Attention:** The "T" – shaped clamping plate should provide free motion of the knives and a minimum clearance of **0.3 mm** between the mobile knives and the immobile counter-knives is needed. Greasing is carried out with oil W90.





Direct the tractor so that the center of the header points the row where the cutting should be carried out (Picture 35). Lower the main frame to the height at which the cutting will be carried out. Lower the two header arms (collectors) until the sliding bars touch the ground.

You have to adjust the opening according to the size of the plants in advance (See Section ADJUSTING THE WIDTH OF THE HEADER and Picture 27) .

The setting of the cutting height should be valid for all plants and not for each single plant.



*THE POWER-TAKE-OFF SHAFT SHOULD ALWAYS BE SWITCHED ON AT POSITION FOR 540 RPM.*



**Attention!**

**DO NOT OPERATE AT POSITION WITH PTO SET AT A HIGHER SPEED (1040 RPM), THIS WILL LEAD TO DAMAGING THE INTENSIFIER AND THE HYDRAULIC PUMPS. OTHER DAMAGES IN THE MOTION OF THE HYDRAULIC SYSTEM ARE ALSO POSSIBLE.**









Switch on the motion of the drive shaft (cardan) (rotation speed 350-400 rpm) and drive slowly with speed about 3 Km/h (2 mph) Picture 36).

Adjust the motion speed of the wave-shaped rubber band (alveoli) according to the ground speed of the tractor. The motion of the alveoli is correct when the stems of the plants approach the cutting knives slightly bent towards you. If the stems are too much bent towards you reduce the feeding speed of the band and if they are not bent - increase it. (See section «Adjusting the speed of the alveoli» and Picture 21).





## DAY-TO-DAY MAINTENANCE – MANUAL MKL 2K/MKL 2R

Blast the whole machine, especially the rolls and the tooth gears with compressed air. Remove the grass and the rest of the stems from the device;	
Grease the device connections ;	
Twice a day grease the main plug of the cutting unit and the connecting rod bushings;	
Grease the cutting mechanism – knives and counter-knives, T-shaped plates and the mobile knives as well as the mobile knife bar with oil W90 every hour.	
Check the hydraulic connections for leakage of the hydraulic oil.	
Control the level and the temperature of the hydraulic oil, refill or add only MXL 46 hydraulic oil.	
Control the level of the oil in the intensifier which drives the hydraulic pumps, charge with W90 oil.	
Twice a day grease the chain of the wave-shape rubber band with oil W90.	

## STORAGE OF THE MACHINE – MANUAL MKL 2K/MKL 2R

Before storage wash your Lavender Harvester with high-pressure steam machine, grease all mobile parts until you obtain a clean greasing substance, flood oil the chains and the whole cutting device. Drive MKL at idle to oil all the joints.

### **Storage:**

- ✓ Disassemble the components of the machine and place them on the transporting frame/frames (Picture 37) leaving them on a clean concrete site.
- ✓ While disassembling the hydraulic connections, be careful for leakage of hydraulic oil.
- ✓ For non-fast-connecting fitting plug nipples into hose nozzles to avoid the hydraulic system contamination.
- ✓ After disassembly cover all joints with sailcloth or nylon.
- ✓ The transporter with the band should not be exposed to direct sun light or winter weather conditions.





The terms and conditions described here clarify responsibilities of the involved parties (**SELLER** and **BUYER**) when a Lavender Harvesting machine manufactured by Bizon-Ins LTD is sold and delivered to a customer. Here also is specified the way to place a claim, return a defected spare part or reimburse values for labor and parts covered by the current Warranty.

### **Warranty and warranty period.**

Manufacturer and **SELLER** of the Lavender Harvesting machines BIZON-INS LTD guarantees that all parts and components of the machine are covered by this warranty for a period of 12 (twelve) month. This period starts at the day of purchase (date of invoice) and or Hand over Protocol. In the cases when the machine is sold outside the boundaries of Bulgaria, this period will be extended with the shipping period.

To clearly establish beginning of the Warranty period we recommend our customers to inform us in written (by email to [info@bizon-ins](mailto:info@bizon-ins)) about the exact date of receipt of the machine in the delivery location.

### **Warranty covers:**

- Labor hours to replace or repair the damaged component/part;
- Components/parts to be replaced (only in the cases when these cannot be repaired).

### **Responsibilities of the Manufacturer:**

- To manufacture the machine using only high quality and reliable materials;
- To review carefully the Claim of the **BUYER** and to inform him within 5 (five) days about possible solution to the problem, described by the **BUYER**;
- In the cases when the Claim is approved to send the defected part and/or to reimburse the **BUYER** for the repair and purchase of the part/s.

### **Responsibilities of the Customer**

- To provide maintenance to the machine per instructions described in the Assembly and Maintenance provided with the machine;
- To safely use the machine in accordance with its application purpose;
- To stop using the machine whenever there is a defective part or other problem to avoid further damage of the whole unit;

### **Limit of Liability:**

- Spare parts and components not covered by this warranty are: consumables and fast wearing parts like greasing, filters, fuses, belts, cutting elements, rubber alveoli and others;
- This warranty also does not cover defects, damages and wearing off due to incorrect use of the machine like wearing off or tearing, exposure to external climate conditions, storage or corrosion.

### **Loss of Warranty**

- The failure to comply with requirements relating to maintenance (described in the Assembly and Maintenance Manual);
- Negligent use, maintenance and failure to follow safety regulations described in the Manual;
- No suitable or irrational use of the machine;
- Use of the vehicle for purpose and in ways other than those specified by the manufacturer (operating errors, excessive use, use of unsuitable oils and/or lubricants, etc)



## WARRANTY CONDITIONS – MANUAL MKL 2K/MKL 2R

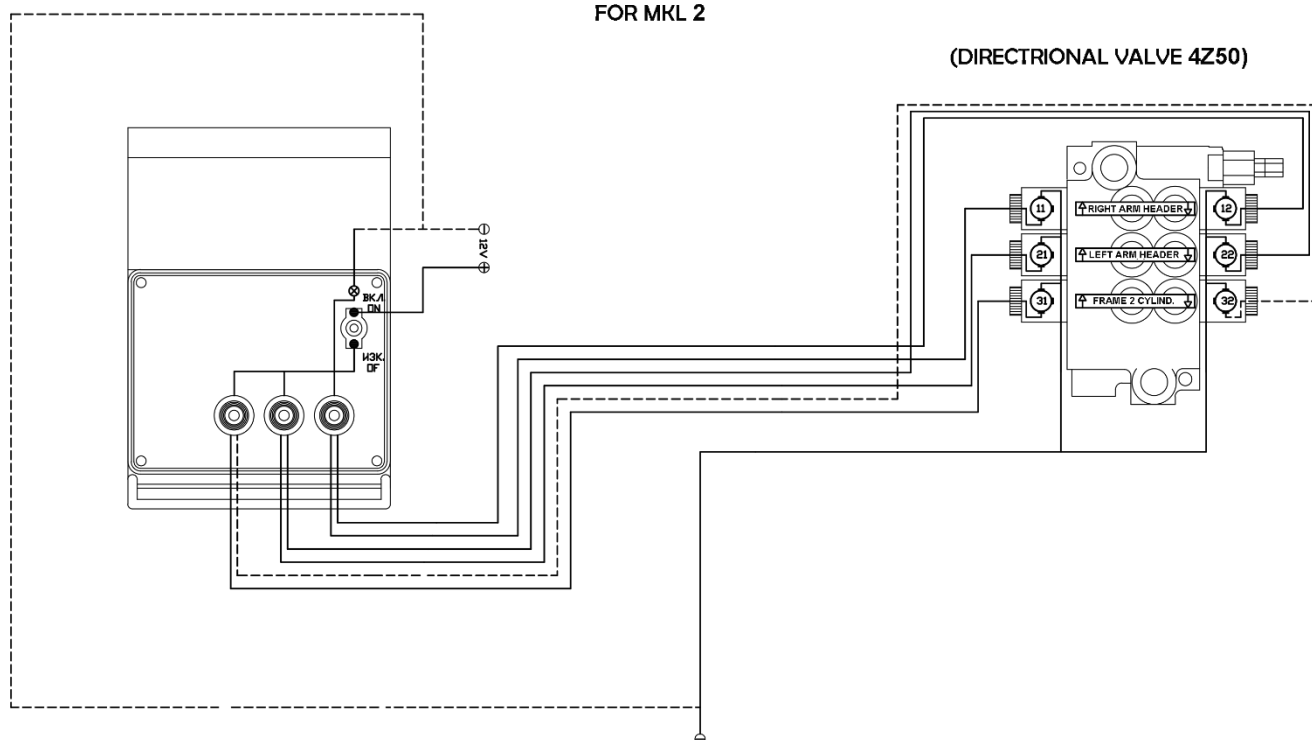
- Changes/modifications on the vehicle carried out by the customer or by a third party without prior written approval by BIZON INS LTD;
- Removal of the security devices and/or decals the machine is equipped with Removal of the security devices and/or decals the machine is equipped with;
- Damages resulting for instance from fires, floods, improper use or misuse of the machine.

### **Claims**

- In the case of damage or problems with using the Lavender Harvesting Machine during the Warranty period the **BUYER** is to advise the Manufacturer with detailed description of the model, serial number and the nature of the problem;
- After analysis, the Manufacturer – Bizon-Ins, will send written instructions including information about change and/or repair of the damaged component along with the information about the ways to settle the Claim, in case it was approved, (shipment of the new component and/or reimbursing of funds for repair or purchase of new components, approved by the Manufacturer.
- Change of the defected spare part and/or component does not extend Warranty period.

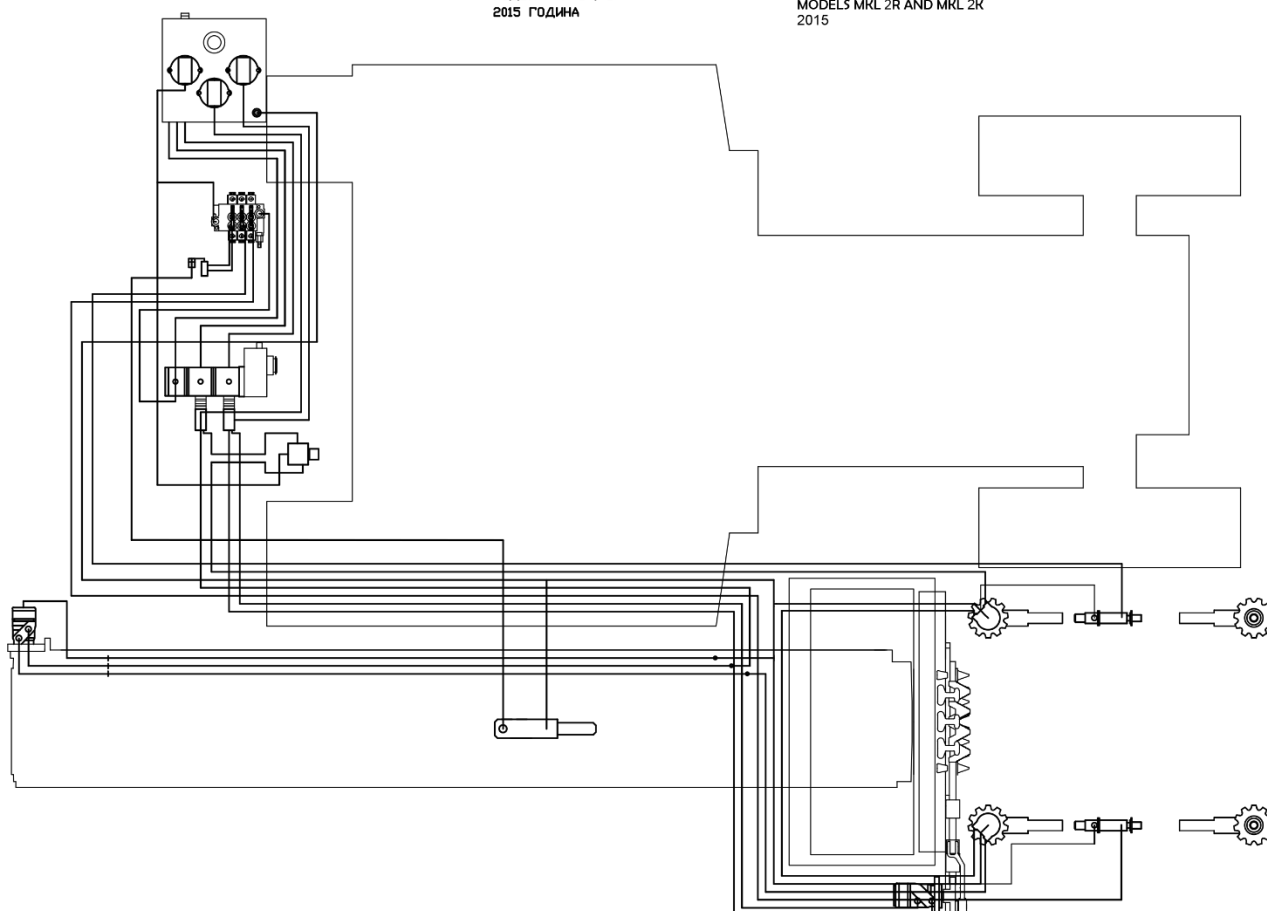


ELECTRIC SCHEME  
FOR MKL 2



ПРИНЦИПНА ХИДРАВЛИЧНА СХЕМА  
НА МАШИНА ЗА КОСЕНЕ НА ЛАВАНДУЛА  
МОДЕЛ МКЛ 2Р, 2К  
2015 ГОДИНА

HYDRAULIC SCHEME FOR  
LAVENDER HARVESTING MACHINE  
MODELS MKL 2R AND MKL 2K  
2015



**We hope you will enjoy using our machine!  
For any questions don't hesitate to contact us on  
[info@bizon-ins.com](mailto:info@bizon-ins.com)**



**BIZON-INS LTD  
KAZANLAK**

**Production plant: village of Koprinka, Kazanlak**

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