

HAULM TOPPERS ONION HARVESTERS ONION FEEDER

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Maclouis



GET TO KNOW MACLOUIS MACHINEBOUW

MacLouis Machinery is a young and energetic company with over 18 years of experience with MacLouis machinery. MacLouis focuses mainly on special constructions which are realised entirely according to the customer's wishes. Since 1 December 2021, MacLouis has been taken over by Maurice and Charlotte Vijverberg and will continue under the name MacLouis Machinebouw and is located at Techniekweg 24a in Zierikzee. From here, we will take care of production and the supply of parts.

At MacLouis, we are there for you, the customer. We like to respond quickly, because when you call you get the expert on the line immediately who always contributes ideas to find a solution.

We have a plentiful stock of parts so delivery is always fast. We stand for quality machines, which is why MacLouis machines are very solidly built, with two layers of powder coating and will last a long time.

ONION HARVESTERS

The onion harvesters are ideally suited for onion sets and seed onions. The machines are characterised by their robust construction and come very well equipped as standard.

A square harvester shaft lifts the onions out of the ground. On both sides of the harvester shaft there is a 65 cm diameter coulter disc that ensures that the onions do not end up in the track. Next to the disc, the harvester chisels are mounted. These make room for the harvester shaft bearings.

The harvest chisels are positioned so that the machine will always go into the ground.

The first sieving mat is equipped with fixed beater rollers, so that the onions on the first mat are well shaken apart.

Under the second sieving mat, a solid pressure roller with a scraper is mounted to level the ground under the machine, so that the onions end up on a flat bed and can be easily picked up again during loading. The clever positioning of the wheels at the rear means the harvesters are guaranteed to be stable. With adjustable, bottomfollowing skids, it is possible to create a windrow, allowing the onions to be dried optimally.

As a safety feature, a slip clutch is fitted in the PTO shaft to prevent overloading your machine.









OPTIONS

- Torqued harvester shaft 40 mm (45 mm as standard on the MLR2250)
- Depth control on lifting arms (no support wheels)
- Hydraulic depth control with wheels in the wheel track; probes are movable for different travel distances
- Electric hydraulic depth control with sensors. Probes are adjustable in width
- Electric hydraulic depth control with angle sensors (height can be adjusted from the cabin)
- Powered beater in the first or second sieving mat
- Polyurethane drive wheels sieve mat
- Hydraulic collection valve for enlarging the headland
- (LED) lighting
- Hydraulic windrow turner with powered PVC tyres to make a windrow of the onions. It can also be used as a bunker.
- Disc next to the harvester to prevent soil from landing on the next row of onions (can be used on the left or right)

HAULM TOPPER KBG

The KBG haulm topper is specially designed for defoliating onions, silver onions, chicory, carrots and beetroot. This haulm topper uses flails to remove most of the haulm from the crop. The flails throw the haulm upwards where it enters an auger. This auger transports the haulm to the right-hand side. Behind the flails are 2 blade rotors that post-top the crop, resulting in a cleaner crop. Due to its high capacity, the KBG has very good haulm intake, even with heavy crops, and has a good topping result due to the use of both a flail shaft and horizontally rotating rotors. The KBG is characterised by means of an excellent lateral haulm discharge through which the haulm is placed in the tractor track by an auger and because of its stability due to the depth wheels between the rows (4.00-8).









OPTIONS

- Stainless steel front cover
- Auger (230mm instead of 250mm) lined with HMPE over the entire width
- Hydraulic depth control with large idlers (200/60/14.5) in the wheel track.
- Probes are adjustable in width.
- Electric-hydraulic depth control with sensors with large wheels in tractor track.
- Electric-hydraulic depth control with angle sensor. Height can be adjusted from the cabin with large wheels in tractor track.
- (LED) work and traffic lights in front of the topper
- Freewheel clutch in the PTO
- Blade shaft 45 mm instead of 35 mm

HAULM TOPPER MLK

The MLK is a reliable front haulm topper for defoliating onions, silver onions, chicory, carrots and beetroot, among others.

The MLK haulm topper has three horizontally rotating blade rotors that cut the haulm from the crop. In the same pass, the blades discharge the haulm to the side for optimum results. The blade cover is spring-mounted, which keeps the cover cleaner. There is a valve at the front of the cover, which can be opened 180 degrees to allow easy access to the blades and to solve any blockages. The blade rotors are driven by a gearbox and V-belts.











OPTIONS

- Rubber-coated blade cover
- Blade cover made of stainless steel
- Hydraulic depth control with idlers in the wheel track. Probes are adjustable in width
- Electro-hydraulic depth control with sensors
- Electric-hydraulic depth control with angle sensor. The height can be can be adjusted from the cabin
- (LED) work, traffic and width lighting in front of the topper
- Freewheel in the PTO

DEPTH CONTROL

At Maclouis, we have developed depth controls in various versions that can be used on both harvesters and haulm toppers. This makes it possible to adapt the machines as much as possible to the harvesting conditions. All depth controls require between 8-10 litres of oil per minute.





MECHANICAL DEPTH CONTROL

This depth control is easily adjusted by turning a spindle. Probes with a large skid control the cylinders via a valve. The robust skid is fitted with a hardox wear strip. This wear-resistant type of metal extends the life of the probes. It is possible to mount plastic plates under the probes, so that in case of different travel distances or wet conditions, the probes do not sink into the ground.

ELECTRO-HYDRAULIC DEPTH CONTROL WITH SENSORS

The depth control is controlled by sensors. The probe is thinner and fitted with a hardox wear strip. The height of the wheels can be adjusted left and right separately from the cabin. The topper height is adjustable by turning probes in or out. The control box in the cabin has two joysticks, one for left and one for right. Control via Load-Sensing is possible.







ELECTRIC-HYDRAULIC DEPTH CONTROL WITH ANGLE SENSOR

The probes are the same as for the depth control with sensors. With this depth control, the height can be accurately adjusted separately on the left and right from the cab by adjusting the angle sensors located on each probe.

The control box in the cabin is equipped with two joysticks, which allow left and right depth adjustment separately. Control via Load-Sensing is possible.

ONION FEEDER

The onion feeder allows your potato harvester to load onions from the field. The onion feeder consists of a foam roller on an axle. To the left and right of the onion feeder, pick-up plates prevent onions from rolling out of the windrow. The foam roller can hinge straight up and down between the pick-up plates. During loading, the onions push up the foam roller, creating an opening between the sieve mat and the roller. The onions can then enter the sieve mat. When the onions run out on the headland, the roller lowers again and the opening is closed, preventing the onions from rolling back. The onion feeder is universally applicable. Mounting on an 80 or 100 mm box girder is possible.





OPTION

• Wheel supports. This makes the onion feeder run more stable and the skids of the onion feeder wear less.

DISCS INNOVATION

Since 2016, Maclouis has focused on machines with powered discs so that grubbing can be done with wide tyres or a wider bed with a narrower machine. Thus, the MLK3000 can be equipped with 6 hydraulically driven harvesting discs. These are suspended in a frame on a parallelogram. Spherical discs of 46 cm are mounted, standing vertically at an angle of 45 degrees.

Because the discs are driven, they give speed to the onions and they will come to rest between the next row of onions, which limits rolling back.

The depth can be adjusted with an adjustable depth wheel between the rows. This ensures that the discs will always maintain the right depth whatever the topper does. The upper arms of the parallelogram are adjustable so that the frame can still be adjusted forwards or backwards. This allows a tractor to grub a 3-metre bed. Behind the tractor is a 1.80 or 2.25 grubber to sieve the soil and grub the remaining rows.

The machine has a weight of 2300 kg. The three-point linkage is made adjustable so that the machine can be mounted as close to the tractor as possible for good weight distribution. This is also possible for a 225 haulm topper. The three-point linkage is then made 40 cm longer and 1 disc is mounted on both the left and right side of the topper, which then also hang in a parallelogram and the depth can be adjusted with a support wheel. This allows driving on wide tyres (48 cm). These discs can be hydraulically lifted for the spray track.







MacLouis

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