

MULAG

Innovative Technologies for Roadside Maintenance



Product Range

Mowing

Municipal Tractors



The MULAG Fahrzeugwerk

– decades of experience with innovations

MULAG develops and produces special-purpose vehicles and accessories in the two business divisions Roadside Maintenance Equipment and Airport Ground Support Vehicles.



The company name is an acronym for **Motor Universal Lasten Arbeits Gerät** and refers to the company's origins in the field of agricultural equipment manufacturing. Today, some of these first MULAGs are still in use after over 60 years thanks to MULAG quality.

Professional equipment engineering for roadside maintenance

As a leading manufacturer of mowers with an extensive product range for tractors and other carrier vehicles, MULAG offers not only verge mowers and embankment mowers with a maximum reach of 9.2 m – with and without grass collection - but also combinations for simultaneous use of up to 3 mowers on a single vehicle. All booms can be used with a variety of working attachments for roadside maintenance all year round.

Our broad-based sales team provides professional advice in all questions relating to roadside maintenance. We are also supported by competent distribution partners in many parts of Europe and worldwide. In addition, the excellent MULAG customer service ranging from instruction and training on the equipment through to the fast supply of spare parts for a service issue is a key positive aspect of our products.

Innovations made by MULAG

In addition to our continuous innovation processes, high adaptability to the wishes and specifications of our customers give us a decisive competitive edge. Long-standing experience in the design of high-quality mower systems ensure high profitability thanks to a great utilisation capacity and the long service life of the equipment and low maintenance and repair costs.

Innovative vehicles for Airport Ground Support

Our airport vehicles division manufactures reliable state-of-the-art products for the airport ramp. MULAG has more than 50 years of experience and competence in the construction of towing tractors, luggage conveyor belts, container pallet transporters and special vehicles.



Contents

MULAG offers you a complete range of professional roadside maintenance technology. You will find an overview of our extensive range of products on the following pages:

Verge mowers/Reflexion post mowers



Our verge mowers/reflexion post mowers are used for near roadside mowing work.

- MLM 200
- MRM 300
- MRS 300
- MRK 300 G

Front-mounted mowers



Our front-mounted mowers gives you flexible use with reaches up to 7.4 m.

- MFK 400
- MFK 500
- FME 500
- FME 600

Combination mowers



Our combination mowers are designed perfectly for simultaneously cutting with two mowing heads in one-man operation.

- MKF 600
- MKM 700

Special mounted mowers



Special solutions which make perfect use of the attachment points of the tractor depending on the carrier vehicle.

- GFA 700 on ReboRack
- SB 500 on JCB Fastrac
- MHS 800 on JCB Fastrac

Mid-mounted mowers



Mid-mounted mowers stand out in particular thanks to their long reach and can be combined perfectly with verge mowers/reflexion post mowers.

- GZA 750 S
- GZA 850 S

Rear-mounted mowers



The rear mounting area of the tractor is used for our rear-mounted mowers. Innovative detail solutions bring the working attachments into the field of view of the operator.

- GHA 600 P
- GHA 700

System solutions



Efficient system solutions make the work effort even more effective.

- GHA 700 + MFK 500
- MHS 800 + MFK 500
- GHA 600 P + MRK 300 G
- GHA 700 + MRK 300 G
- GZA 750 S + MRM 300 / MLM 200

Working attachments and accessories



We offer you a variety of working attachments and accessories for individual and year-round use.

- Overview of mowing heads + cutters
- Other working attachments
- Additional equipment





Verge mowers
Reflexion post mowers



MULAG verge mowers

- Easy to operate
- Optimised for use in intensive areas
- Automatic parking system

MULAG verge mowers

The verge mowers are perfect for close roadside mowing work in left- and right-hand operation. Due to their low design height, these devices are suitable for use underneath crash barriers. The touch arm controller controls the mowing head rotation speed fully automatically depending on the driving speed. An automatic pressure relief system minimises the ground pressure of the mowing head.

The mowing head can be optionally equipped with two established cutter shaft concepts that are configured for special operating situations.

3-point hitch on front power lift



Only a few simple steps are required to attach the MRS 300 and MRK 300 G types to the 3-point front power lift. A MULAG adapter plate can also be used as a means of attachment if there is a front attachment plate already fitted to the tractor.



Safety shaft 



Flail shaft



Verge mower MRS 300

Reach	up to 3.0 m
Drive	Front PTO shaft
Special features	<ul style="list-style-type: none"> ■ Electro-hydraulic control with mowing head relief system ■ Road speed-related automatic obstacle detector ■ Automatic parking system ■ Mowing head with safety or flail shaft ■ 3-point hitch



Transport position



Verge mower MRK 300 G

Reach	up to 3.0 m
Drive	Front PTO shaft
Special features	<ul style="list-style-type: none"> ■ Electro-hydraulic control with mowing head relief system ■ Road speed-related automatic obstacle detector ■ Automatic parking system ■ Mowing head with safety or flail shaft ■ Short front end (depending on the tractor type < 3.5 m)



Transport position



Verge mower MRM 300

Reach	up to 3.0 m
Drive	Front PTO shaft
Special features	<ul style="list-style-type: none"> ■ Electro-hydraulic control with mowing head relief system ■ Road speed-related automatic obstacle detector ■ Automatic parking system ■ Mowing head with safety or flail shaft ■ Can be used with MLM 200



Transport position

MULAG reflexion post mowers



Reflexion post mower MLM 200

Reach	up to 2.5 m
Control	Electro-hydraulic
Special features	<ul style="list-style-type: none"> ■ Drive integrated into the hydraulic system of the verge mower MRM 300 ■ Automatic touch control system for the terrain contour ■ Continuous distance control to the crash barrier ■ Can only be used in conjunction with the MRM 300



Transport position

Regular care of the roadside vegetation is an important factor for the safety of all road users. The reflexion post mower MLM 200, which is specially designed for use around posts, crash barrier supports and traffic posts, reduces the potential risk to road maintenance workers because no manual finishing is necessary. All the vegetation on the traffic guidance systems can be eliminated safely and efficiently at the same mowing speed as when only using the verge mower MRM 300.





Front-mounted mowers



MULAG front-mounted mowers

- Flexible range of applications
- Large selection of working attachments
- Right and left operation possible

Easy and flexible roadside maintenance

Our front-mounted mowers are attached to the local front attachment plate of the tractor. The front-axle locking device prevents chassis distortion. This allows the tractor to stay in a horizontal orientation even with the mower extended to the maximum.

Our range of boom mowers has a reach up to 7.4 m. All types of equipment can be used either for right-hand or left-hand operation. The implement drive is provided by default via the front PTO-shaft or optionally via the rear-PTO shaft using a separate rear-mounted supporting frame. With a large selection of working attachments, MULAG front-mounted mowers have a variety of applications and can be used all year round.

Quick-change-device for Fendt tractors

The MULAG quick-change-device enables the rapid and tool-free mounting and dismounting of equipment for the Fendt 400/500/700 series.

The quick-change-frame remains attached to the mower after the equipment has been dismounted, so that the front side of the tractor can still be used without restrictions for the attachment of other devices to the 3-point front power lift after the lower link has been attached.

An addition with one-sided or double-sided axle-support is easily possible.



Overview of the front-mounted mowers



Front-mounted mower MFK 400

Reach	Right and left up to 5.1 m
Lateral shift	1500 mm
Special features	<ul style="list-style-type: none"> Transport position in front of the vehicle Width of mower in transport position 2.1 m Universal use with quick-change device



Transport position

Specially developed for smaller tractors, the compact MFK 400 is the ideal way of getting started in municipal roadside maintenance. Thanks to its ability to be easily detached and attached to the front attachment plate of the tractor, this boom is well suited to use in alternating operation with other equipment throughout the whole year.



Front-mounted mower MFK 500

Reach	Right and left up to 6.0 m (7.0 m*)
Lateral shift	1800 mm
Special features	<ul style="list-style-type: none"> Transport position in front of the vehicle Width of mower in transport position 2.5 m Universal use with quick-change device

* with telescope (optional)



Transport position

The MFK 500 with a reach of up to 7.0 m is very well suited for professional use in roadside maintenance. The boom is parked at the front of the vehicle for transport purposes. Thanks to the lateral shift of the boom and its kinematics, the MFK 500 is very suitable for close roadside mowing work as well as behind crash-barriers.



Front-mounted mower FME 500

Reach	Right and left up to 6.5 m
Special features	<ul style="list-style-type: none"> Transport position above the vehicle cab Low front axle load in transport position Width of mower in transport position only 1.5 m



Transport position

The boom of the FME series with a reach of 6.5 m on the FME 500 and up to 7.4 m on the FME 600 is parked for transport purposes at the rear on a parking frame. This transport position ensures balanced weight distribution, reduces the front axle load and protects the vehicle.



Front-mounted mower FME 600

Reach	Right and left up to 7.2 m (7.4 m)*
Lateral shift	1300 mm
Special features	<ul style="list-style-type: none"> Balanced weight distribution in transport position Generous clearance to pass over obstacles easily Width of mower in transport position only 2.1 m

*with optional overhead offset cylinder



Transport position

Especially with the FME 600 thanks to the special boom geometry, working at a long range and the mowing ditches on both sides is easy, simultaneously, there is no interruption of the work process thanks to the large clearance over obstacles. The lateral shift of the FME 600 makes the boom even more flexible in all operating ranges.



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Combination mowers



MULAG combination mowers

- High working speed
- Optimum vehicle carrier use
- Mowing units can be used separately

Maximum performance in combination mode

The combination of front-mounted mower and verge mower produces an efficient and compact mowing unit. The advantages of front-mounted mowers are supplemented by the functionality of a verge mower. In this configuration, two belts of grass can be mown in one working cycle by one operator. However, both mowing units can also be used independently of each other.

The CAN-bus control with electronically controlled automatic obstacle detector on the verge mower as well as the MULAG m|tronic arm relief control system on the front-mounted mower assist the operator enormously when used in combination.

Removal with the help of the locking device



The verge mower can be removed and stored separately with a locking device intended for this purpose. Unlimited use of the front boom as a single mowing unit is possible.

Overview of the combination mowers



Combination mower MKF 600

Reach	Up to 3.0 m with verge mower Front-mounted mower up to 5.5 m / 6.5 m* (6.0 m / 7.0 m)**
Lateral shift	Verge mower 1000 mm Front-mounted mower 1300 mm (1800 mm)**
Special features	<ul style="list-style-type: none"> Proportional control with CAN-bus and m tronic arm relief Mowing units can be used independently of each other. Automatic parking system on the verge mower

*with telescope (optional) ** after removing the verge mower



Transport position

The MKF 600 with a transport width of 2.5 m has a particularly compact design. The independent lateral shift of the boom and verge mower increases the working performance considerably when avoiding obstacles, in particular, when mowing in alleys and around crash-barriers. With its telescopic arm, the front-mounted mower combination MKF 600 offers an even larger reach and can be used very effectively for mowing large embankments and cutting hedges.



Combination mower MKM 700

Reach	Up to 3.0 m with verge mower Front-mounted mower up to 6.7 m / 6.9 m* (7.2 m / 7.4 m)**
Lateral shift	850 mm (1300 mm**)
Special features	<ul style="list-style-type: none"> Proportional control with CAN-bus and m tronic arm relief Mowing units can be used independently of each other. Automatic parking system on verge mower

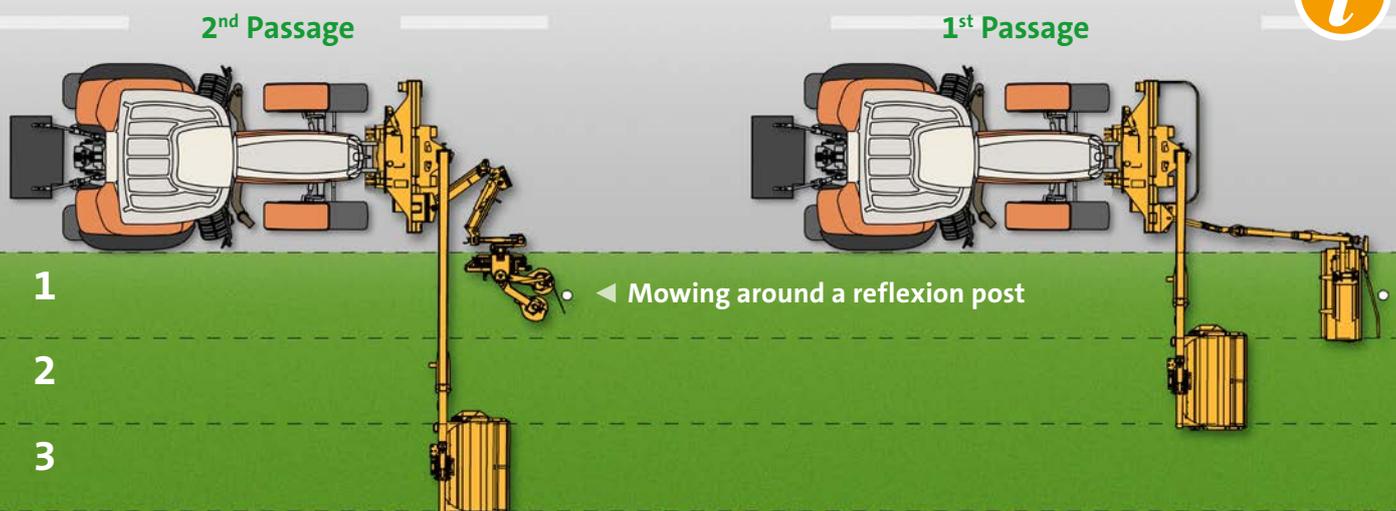
*with optional overhead offset cylinder ** after removing the verge mower



Transport position

The CAN bus control with automatic obstacle detector on the verge mower as well as the m|tronic on the boom mower assist the operator enormously. It is possible to operate both mowers ergonomically and simply, thanks to the perfect interplay of the ingenious electronic control components – even in difficult terrain. Thanks to the integrated lateral shift, the MKM 700 is able to go around obstacles like trees efficiently – and with a large clearance of up to 3.2 m, the optimised boom geometry makes working easy by passing over small obstacles such as traffic signs.

MKM 700 attachment exchange



Thanks to the attachment exchange possibilities between verge and reflexion post mower, the entire intensive area can be mown with only 2 passes. An additional mowing vehicle is therefore not required for mowing the traffic guidance system. Furthermore, additional manual finishing work is not required, thereby increasing the safety of road users and operating staff.





Special mounted mowers



MULAG special mounted mowers

- Long reach
- Combination mode possible
- Optimum usage of the mounting areas

Additional benefits are gained when used in combination with a verge mower. By extending the range of applications, the effectiveness of the working attachments is increased – a genuine professional solution!

Innovative special solutions for roadside maintenance

With the powerful MULAG mounted mowers, maximum effectiveness is achieved in professional roadside maintenance. Solutions which have been optimally coordinated and adapted to the carrier vehicles ensure this.



GFA 700 S – clear view of the working attachment



Embankment mower GFA 700 S ReboRack

Reach	Right and left up to 6.4m/7.4 m (with telescope)
Lateral shift	Hydraulic 1,100 mm (left 750 mm, right 350 mm)
Special features	<ul style="list-style-type: none"> ▪ Opt. hydr. rotation of working attachments (240°) ▪ Trailer coupling free ▪ Clearance to pass over obstacles of up to 3 m ▪ Can be combined with verge mower MRK 300 G



Transport position

The embankment mower GFA 700 S is mounted to the ReboRack quick-change device. The operating range has a reach of 6.4 m or 7.4 m with telescopic arm. The mowing unit can be used both for right-hand and left-hand operation, it is driven by a powerful axial piston hydraulics.



Grass-collecting rear-mounted mower SB 500

Reach	Right and left up to 6.1 m
Telescopic arm	750 mm
Special features	<ul style="list-style-type: none"> ■ Mulches and collects material in one operation ■ Quickly ready for operation without any preparatory work ■ Mounting on subframe



Transport position

The SB 500 combines the benefits of the telescopic arm and the proportional control with the m|tronic arm relief into one powerful mower with grass collection. A solid durable double arm construction with optimised hose guidance makes the SB 500 extremely reliable.

Thanks to integrated grass collection, removing the cut grass in a second operation is no longer necessary – this saves time, relieves traffic and increases the safety for road maintenance workers. Without grass collection, the mower can also be used for pure mulching.



Rear-mounted mower MHS 800

Reach	Right and left up to 7.3 m/8.7 m (with telescope)
Lateral shift	1600 mm
Special features	<ul style="list-style-type: none"> ■ Optimised boom geometry with high portal – clearance of up to 3.9 m (with telescope) ■ Quickly ready for operation without any preparatory work ■ Optional boom variants ■ Mounting on subframe



Transport position

With its enormous reach up to 8.70 m, the MHS 800 can be used in many different ways. The lateral shift of the boom offers additional flexibility when going round obstacles, because the optimised boom geometry enables a clearance to pass over obstacles of up to 3.9 m (with telescope).

Options for MHS 800

Parallelogram

The working attachment can be shifted forward optimally and ergonomically up to 1000 mm in the operator's field of view using the parallelogram arm. The forward movement of the boom is infinitely adjustable from the operating panel. In addition, right-hand and left-hand operation is easily possible.



Telescopic arm

Thanks to the hydraulically adjustable telescopic arm, the maximum reach has been increased by 1.4 m to 8.7 m.

The possible clearance to pass over obstacles has been increased to 3.9 m at the same time.





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Mid-mounted mowers



MULAG mid-mounted mowers

- Compact design integrated into the vehicle contour
- Long reaches
- Front loader operation possible

Innovative mowing technology for roadside maintenance

The MULAG mid-mounted mowers have been specially developed for mowing embankments and for applications in water management. The long reach makes working on large embankments possible. The low pivot point has a positive effect on the reach when mowing sloping embankments in particular.

Working in front of the vehicle is also possible on the embankment through the use of a tilting/swivelling device. The collision protection on both sides allows forwards and backwards driving during mowing. The mid-mounted mower is also particularly well-suited for using a weed bucket during applications in water management.



Rear unit of the GZA 750 S

Moreover, it has a compact design that is integrated into the vehicle contour. The implement drive and the hydraulic tank are located in the rear unit.

In addition to the possibility of front loader operation with the mid-mounted mower attached, you can also combine it with a verge mower.



Embankment mower GZA 750 S

Reach	Up to 8.0 m
Flail arm radius	200° (105° to the front)
Special features	<ul style="list-style-type: none"> ■ Telescopic arm ■ Mid-mounted attachment position ■ Minimum load capacity 3500 kg ■ Can be combined with the verge mower ■ Transport position over fender to the rear



Transport position

With a reach of up to 8.0 m, the mid-mounted mower GZA 750 S is ideally suited for use on embankments. The possibility of combining it with a verge mower increases the effectiveness of this mowing unit enormously. The transport position is to the rear over the fender of the tractor.



Embankment mower GZA 850 S

Reach	Up to 9.2 m
Flail arm radius	200° (105° to the front)
Special features	<ul style="list-style-type: none"> ■ Telescopic arm ■ Mid-mounted attachment position ■ Can be combined with the verge mower ■ Transport position over fender to the rear



Transport position

In addition to the enormous reach of up to 9.2 m, the mid-mounted mower GZA 850 S also features high lifting strength for carrying heavy working attachments in an extended position, (e.g. flail cutting heads with a width of 1.6 m/1.8 m with conveyor belt, weed baskets, free zone cutters, etc.).

Additional equipment

Tilting/swivelling device

For counterbalancing the mowing head when mowing with the boom swung to the front when against or at the bottom of embankments. With the tilting/swivelling device – tilting angle is 40° to the left and to the right – such mowing work is easily possible (only when combined with a hydraulic rotating device).



The device can be easily removed and put down using the transport trolley.

Axle blocking

To be able to absorb the torsional moments a front axle blocking system is installed. The oil is supplied to the support via the tractor hydraulics. Depending on the intended use, the support can be fitted to one or both sides of the axle casing.

Subframe and transport trolley

A Subframe installed under the tractor provides the necessary stability and power transmission to the vehicle.





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Rear-mounted mowers



MULAG rear-mounted mowers

- High level of operating comfort
- Automatic terrain sensing
- Long reaches
- Optimum field of view

Everything in view with MULAG

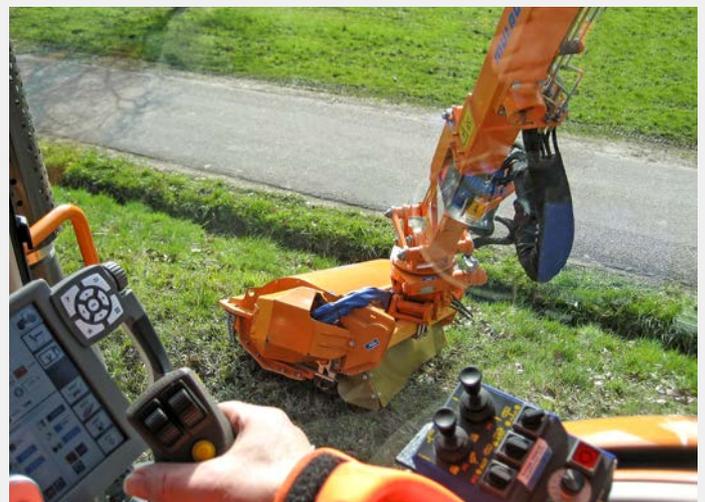
With our wide range of very specific rear-mounted mower solutions, we can offer optimal working attachments for the most varied of applications. By using a telescopic arm on the GHA 700 or our parallelogram arm technology on the GHA 600 P, our mowers are enormously versatile.

Our rear-mounted mowers are installed in the 3-point hitch and are driven by the rear-PTO-shaft.

The hydraulic fluid for the arm movements can be supplied via the tractor hydraulics or using a vehicle mounted hydraulic pump.



GHA 700 – use in wood maintenance with FSG 2000



GHA 700 – clear view of the working attachment



Rear-mounted mower GHA 600 P

Reach	up to 6.0 m
Swivelling to the front	up to 2.5 m
Special features	<ul style="list-style-type: none"> ■ One-lever proportional control ■ Electrical cutter shaft switch-on/off ■ Parallelogram arm ■ Can be combined with a verge mower



Transport position

The embankment mower GHA 600 P is attached to the rear 3-point hitch of the tractor and is therefore ideally suited to mowing in combination with a verge mower. The operational range has a reach of up to 6.0 m from the centre of the vehicle. It is driven via the rear-PTO-shaft by powerful axial piston hydraulics.

Optimum field of view thanks to the parallelogram arm

The mowing head can be swung forward by up to 2.5 m into the operator's field of view using the standard parallelogram arm. This gives the operator an ideal field of view over the operating range and makes using the GHA 600 P boom mower ergonomic and flexible in daily use.



Parallelogram arm with a large swivelling range of up to 2.5 m



Rear-mounted mower GHA 700

Reach	Right and left up to 6.8 m/7.8 m (telescope)
Flail arm radius	270° right-hand/left-hand operation
Special features	<ul style="list-style-type: none"> ■ Rear 3-point hitch ■ Can be combined with a verge mower ■ Trailer coupling free ■ High clearance to pass over obstacles up to 3 m



Transport position

The embankment mower GHA 700 is attached to the rear 3-point hitch using special struts and safety catches made by Fendt. The field of work has a reach of 6.8 m or 7.8 m with telescopic arm. The mowing unit can be used both for right-hand and left-hand operation, it is driven by a powerful axial piston hydraulics.

Operator's field of view

The embankment mower GHA 700 is equipped with sensors in the swivel function as well as in the boom system that prevent a collision with the driver's cab.

The boom system with the working attachment can be swung forwards optimally into the operator's field of view.

The orientation of the mowing head is maintained in a 90° position (mowing position) to the road fully automatically and independently of the respective swivelling angle of the boom system.



GHA 700 in use





Mower combinations
System solutions



MULAG system solutions and combinations

- High level of operating comfort
- 2 belts of grass mown in one working cycle

Product combinations with system

The MULAG system solutions and product combinations incorporate the best features of two mowers into one optimum working unit. Maximum effectiveness is achieved in the work effort thanks to a system that is equipped with innovative technologies.



MHS 800 with MFK 500 (incl. Automatic sensor mowing head TMK 1200)

When using the JCB Fastrac, the MHS 800 is ideally suited for combined operation with the MFK 500. Such a combination provides ideal weight distribution on the two vehicle axles.

Your benefits:

- Long reach
- Telescopic arm (optional)
- Automatic terrain sensing
- Trailer coupling free
- Up to a max. of two belts of grass can be mown in one working cycle.



Transport position



GHA 700 with MFK 500 (incl. Automatic sensor mowing head TMK 1200)

This effective device combination combines a rear-mounted mower with a long reach and a front-mounted mower with the capacity to maintain the verge optimally.

Your benefits:

- Long reach
- Automatic terrain sensing
- Trailer coupling free
- Up to a max. of two belts of grass can be mown in one working cycle.



Transport position



GHA 600 P with verge mower MRK 300 G

You always have your working attachments in view when the rear-mounted mower GHA 600 P is combined with the verge mower MRK 300 G.

Your benefits:

- Parallelogram arm
- Control of both mowers with one joy-stick
- Optimum view of the mowing heads
- Quick-change device for working attachments
- Short front end (depending on the tractor type < 3.5 m)



Transport position



GHA 700 with verge mower MRK 300 G

An enormously effective mower combination. One rear-mounted mower with a long range and one verge mower – flexible use.

Your benefits:

- Long reaches
- Hydraulic tilting/swivelling device
- Optimum view of the mowing heads
- Trailer coupling free
- Short front end (depending on the tractor type < 3.5 m)



Transport position



GZA 750 S with verge mower combination MRM 300 / MLM 200

A versatile mower combination for use in intensive and extensive areas. Makes complete verge maintenance possible in one pass.

Your benefits:

- Long reaches
- High working speed
- Flexible range of applications
- Optional telescopic arm
- Automatic terrain sensing



Transport position

Combination operating panel for controlling 2 mowers



Control 2 mowers with only one hand



With the MULAG combination operating panel, both mowers (rear-mounted mower and verge mower) can be controlled with a common multifunction joystick. The operator does not need to change between two joysticks.

In addition, installation of the operating panel is facilitated by its compact dimensions. The frequently limited space conditions in modern tractors for additional operating controls on the control panel of the driver's cabin otherwise often lead to installations in difficult and unergonomic places.

CAN bus control

The individual components (operating panel, controller and control block) of the system communicate with each other via the CAN bus. With the MULAG combination operating panel, the most demanding control functions can be easily realised.



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Working attachments +
accessories

Accessories for MULAG booms

Thanks to a variety of well-conceived and optimised accessories, the MULAG basic equipment can be added in a useful way and adapted individually to the respective needs and conditions. Many of the details demonstrate our innovation capacity and decades of experience.

m|tronic



Fully automatic ground pressure regulation of the mowing head. Sensors transmit the terrain contour to the central control unit which adjusts the boom functions automatically.

Hydraulic rotating device



The rotational range is 230°, continuously controlled by the operating panel. The rotational range can be adapted during operation.

Multifunction joystick



The fit of this joystick is ergonomically designed to mould with the driver's hand optimally. Up to four proportional functions can be controlled on one level.

Rear-side hydraulics



To operate mowers attached to the front via the rear-PTO-shaft, a support frame is attached to the rear power lift for the hydraulic equipment drive. One or more hydraulic pumps are driven by one universal-joint shaft. At the same time, the support frame serves as a holding fixture for the hydraulic tank, possible counterweights and the parking frame for the boom in transport position.

Front attachment plate



To mechanically attach mowers fitted to the front, a front attachment plate (DIN plate size 3 or 5) must be fitted to the tractor front. This front attachment plate is incorporated in the front power lift, which involves removing the lower linkages of the front power lift. This allows for easy access and a stable basis for attaching the front mower.

Axle support



To be able to absorb the torsional moments occurring along the longitudinal axle of the vehicle, an attachable/detachable support is installed on the axle casing of the tractor using a hydraulic cylinder. The oil is supplied to the support via the tractor hydraulics. Depending on intended use, the support can be fitted to one or both sides of the axle casing.

Head with slinger belt



To avoid grass cuttings being left in the bottom area of ditches and dams, a mowing head can be equipped with a slinger belt for use in water management. The slinger belt is adjustable and reversible and can be optionally delivered with a hydraulic folding function.

Parking frame



The parking frame for the boom and a counterweight can be fitted to the rear power lift. Both can be removed and put down together. For certain tractor types, a parking frame is available that is tightly screwed to the ladder carriage.

Year-round use



An extensive range of working attachments allows you to use your carrier vehicle all year round. Among other things, you can take care of clearance cutting work once the mowing season is over.

MULAG Working attachments

The versatility of our working attachments allows you to use your MULAG boom all year round. From classic roadside maintenance through to special tasks in wood and water management, and when cleaning and clearing the street safety area, we have a wide range of working attachments ready for you and would like to advise you in detail.

All working attachments can be changed in the shortest time using the quick-change device – this saves time which you can turn into working capacity. We also back up our products with attractive service and maintenance offers. MULAG attachment quality is the result of years of experience and state-of-the-art technology.

Mowing heads

Universal mowing head		<i>For cutting grass and brushwood</i>		
UMK 1200		Type of cutters	MS	GB-RM
	Working width	1200 mm	1200 mm	
	Cut thickness	up to 40 mm*	up to 20 mm	
	Cutter shaft rpm	2000 rpm	2900 rpm	
	No. of cutters	12 pieces	30 pieces	
	Weight	approx. 350 kg	approx. 340 kg	
	Working speed	up to 10 km/h	up to 10 km/h	

*with adapting the protective fixture and modifying the movement direction of the cutters

Flail cutting heads		<i>For cutting grass and brushwood</i>	
MK 1200/1600		MK 1200	MK 1600
	Working width	1200 mm	1600 mm
	Cut thickness	up to 20 mm	up to 20 mm
	Cutter shaft rpm*	2000 rpm	2000 rpm
	Cutter type*	MS (12 p.)	MS (16 p.)
	Weight	approx. 320 kg	approx. 385 kg
	Working speed	up to 10 km/h	up to 10 km/h

*equipment with GB-RM cutters possible (2900 rpm, cutters: 30/42 pieces)

Flail cutting head		<i>For cutting grass and brushwood</i>		
MK 1200 plus		Type of cutters	MS	GB-RM
	Working width	1200 mm	1200 mm	
	Cut thickness	up to 20 mm	up to 20 mm	
	Cutter shaft rpm	1900 rpm	2800 rpm	
	No. of cutters	12 pieces	30 pieces	
	Weight	approx. 320 kg	approx. 305 kg	
	Working speed	up to 10 km/h	up to 10 km/h	

Brushw. shredding head		<i>for chaffing shrubbery, small bushes etc.</i>	
BRK 1200			
	Working width	1200 mm	
	Cut thickness	up to 80 mm	
	Cutter shaft rpm	2000 rpm	
	Cutter type	WS (11 p.)	
	Weight	approx. 320 kg	
	Working speed	up to 5 km/h	

Scrub cutting head		<i>for mowing of grass and undergrowth/scrub</i>	
GMK 1200			
	Working width	1200 mm	
	Cut thickness	up to 60 mm	
	Cutter shaft rpm	2300 rpm	
	Cutter type	HS (20 p.)	
	Weight	approx. 345 kg	
	Working speed	up to 10 km/h	

Flail cutting heads		<i>for mowing of grass and undergrowth/scrub</i>	
AMK 1200/1600		AMK 1200	AMK 1600
	Working width	1200 mm	1600 mm
	Cut thickness	up to 20 mm	up to 20 mm
	Cutter shaft rpm	2800 rpm	2800 rpm
	Cutter type	GV-RM (60 p.)	GV-RM (84 p.)
	Weight	approx. 320 kg	approx. 350 kg
	Working speed	up to 10 km/h	up to 10 km/h

We supply the right mowing head for every application - so you can cut grass and brushwood reliably in a wide variety of situations.



Overview of MULAG cutters



MUM cutting knife



- Very low power consumption
- Use in grass near road posts and crash barriers
- Rotation speed 4600 rpm
- 3 knives per disc

MS-R cutters



- Robust flail cutters
- Extensive grass collection
- Use in grass with a cut thickness of up to 10 mm
- Rotation speed 3000 rpm

Safety shaft



- Minimised stone chipping
- Very smooth mulching results
- High working speed
- Use in grass in the intensive area
- Rotation speed 4800 rpm

MS cutters



- Robust flail cutter
- High penetration power
- Use in grass and brushwood with a cut thickness of up to 40 mm
- Intensive and extensive area
- Rotation speed 2000 rpm

GV-RM cutters



- Robust flail cutters
- Use in grass and brushwood with a cut thickness of up to 20 mm
- Intensive and extensive area
- Rotation speed 2900 rpm

GB-RM cutters



- Robust flail cutters
- Use in grass and brushwood with a cut thickness of up to 20 mm
- Intensive and extensive area
- Rotation speed 2900 rpm

BS cutters



- High penetration power
- Optimised cutter shape for wood maintenance
- Use in grass and brushwood with a cut thickness of up to 80 mm
- Easy to change
- Rotation speed 2000 rpm

HS hammer flail



- High penetration power
- Both sides can be used
- Use in brushwood with a cut thickness of up to 60 mm
- Reduced power consumption
- Rotation speed 2300 rpm

Brush systems

Surface brush

Cleaning of large areas (e.g. road signs)

FWB 1600



Washing width	1600 mm
Ø Brushes	1000 mm
Brush speed	320 rpm
Weight	approx. 190 kg
Hydraulic drive	

Double washing brush

Cleaning of sign posts, reflector post etc.

DWB



Washing width	800 mm
Ø Brushes	600 mm
Brush speed	300 rpm
Weight	approx. 200 kg
Hydraulic drive	

Attachments for water management

Rotary rake

For turning and clearing cut grass

KH 2500



Working width	2500 mm
Weight	approx. 225 kg
Working speed	up to 5 km/h
Hydraulic drive	

Clearing attachments and earth auger

Verge clearing device

Clearing of overgrown verges

BRG 1000



Working width	1000 mm
Clearance height	up to 80 mm
Speed	500 rpm
Weight	approx. 415 kg
Working speed	up to 3 km/h

Attachments for wood management

Branch/Hedge Cutter

For shortening branches, twigs, brushwood

AWS 2200



Working width	2200 mm
Cut thickness	up to 110 mm
Strokes	60/min
Weight	approx. 210 kg
Working speed	up to 2 km/h

Hedge cutting head

For chopping hedges and bushes

HSK 1200



Working width	1200 mm
Cut thickness	up to 20 mm
Cutter shaft rpm	2900 rpm
Cutter type	GB-RM (30 p.)
Weight	approx. 325 kg
Working speed	up to 4 km/h

In addition to mowing and maintaining verges and ditches, the MULAG arm mowers can also be used for the professional wood management.

Our product range in this field offers you efficient and attractive solutions.

Weed brush

For removing grass and wild herbs

WKB 750

Working width	750 mm
Brush speed	300 rpm
Weight	approx. 140 kg
Working speed	up to 10 km/h
Hydraulic drive	

Gutter/Surface Brush

For removing grass and wild herbs

RB 650

Working width	650 mm
Brush speed	300 rpm
Weight	approx. 160 kg
Working speed	up to 10 km/h
Hydraulic drive	

Double blade cutter

For mowing embankments of grass and brushwood

DSW 1900

Working width	1900 mm
Cut thickness	up to 10 mm
Strokes	max. 1200 rpm
Weight	approx. 130 kg
Working speed	up to 10 km/h

Weed bucket

For mowing plants in ditches

MKB 2450

Working width	2450 mm
Strokes	approx. 600/min
Weight	approx. 235 kg
Hydraulic drive	

Earth auger

For drilling holes, for example, for sign posts

EBG

Drill length*	900 mm
Ø Drill*	250 mm
Drill speed	approx. 120 rpm
Weight	approx. 165kg
Hydraulic drive	

Rotary ditch cleaner

Cleaning the bottom of ditches

GRG 650

Ø Milling wheel	650 mm
Wheel speed	500 rpm
Weight	approx. 245 kg
Working speed	up to 4 km/h
Hydraulic drive	

*further drill lengths and diameters available on request

Free zone cutter

For cutting clear paths and roads

FSG 2000

Working width	2000 mm
Cut thickness	up to 150 mm
Speed of saw blades	up to 2600 rpm
Weight	approx. 220 kg
Working speed	up to 4 km/h

Stump grinder

For removing tree stumps

BSF 500

Ø Milling wheel	500 mm
No. of milling bits	20
Depth of cut	max. 40 mm
Speed	up to 1250 rpm
Weight	approx. 170 kg



Certified Operating Security

Our flail heads are tested and examined in compliance with EN 13524. This ensures the safety of the attachment during operation. The successful results are documented with the GS certificate by recognised inspection agencies and accredited test institutes.



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MULAG in detail

Company history of MULAG

- **1953** MULAG was founded in Bad Peterstal-Griesbach.
- **1958/59** Development in the export of agricultural vehicles to other European countries.
- **1964** Creation of the new division for **construction and production of airport vehicles**. At first conveyor belt vehicles were produced, later container pallet transporters and towing tractors were produced.
- **1972** Development of **grass-collecting embankment mowers** for roadside maintenance.
- **1980** To expand the production capabilities, **Plant II in Oppenau/ Germany** was built.
- **2000** Structural expansion of Plant II with a **new assembly hall, extensive central storehouse and modern office and administrative building** for the optimisation of capacities.
- **2004** Introduction of the continuous flow production for towing tractors.
- **2007** Further investments, e.g. into welding robots, fully automatic small parts storage system and office extension.
- **2011** Expansion of the business premises of Plant II in Löcherberg.
- **2013** Construction of the **MULAG training centre in Bad Peterstal** for providing optimal vocational training to our junior staff in a central location with the most modern educational resources.
- **2018** **Modernisation** of Plant II in Löcherberg



Aerial View of Plant II



Plant II



Plant I

MULAG quality – more than just a concept

For MULAG, quality is the key to our company's success and is of great importance to our products. Due to our extensive experience in the fields of airport vehicles and roadside maintenance equipment, the standard of quality has been developed to a level reflecting our position as a market leader.

In order to maintain this high standard, we employ an comprehensive quality management system that is looked after centrally by an independent division. This ensures that our products meet the high expectations that our customers have regarding quality and safety from the beginning.



To also have this confirmed by the expertise of third parties, our QM system is constantly checked by independent companies and by customer audits, such as:

- DIN EN ISO 9001 Quality management by TÜV Süd
- DIN EN ISO 14001 Environmental management by TÜV Süd
- DIN EN ISO 50001 Energy management by TÜV Süd
- EN 729-2 and DIN 18800-7 routine surveillance visit by the SLV Mannheim
- VDA8 audits by Daimler AG

The positive results of these independent bodies confirm the successful application of our measures.



High-tech production – premise for high quality



Training at MULAG – informative and efficient



MULAG – the answer to all questions relating to roadside maintenance

The well-conceived design of the MULAG boom mowers with their extensive range of versatile working attachments make their use extremely economic and efficient: They can be used to complete all roadside maintenance tasks fast and flexibly.

Long periods of downtime and repair time are avoided thanks to the high quality of the workmanship. We offer you convincing roadside maintenance solutions:

Long working times generate profitability

- High-quality workmanship of the mowers based on the state-of-the-art design concepts.
- Low wear thanks to the use of specially hardened materials at critical points.
- Fast and worldwide availability of spare parts and service providers, long-term availability of spare parts for older products.

Flexible use for many different applications

- An extensive assortment of working attachments provides a wide range of applications for every season.
- Quick-change-devices help you save time when changing working attachments.
- Perfect operating ergonomics with a good view of the working attachments make the work effort easier.

Distributor



Front-mounted mower with a flexible range of applications



Rear-mounted mower being used in combination with a verge mower



Combination mower MKM 700 in use on a crash-barrier

Manufacturer

MULAG

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