

AGRICULTURE

**MULCHERS FOR
AGRICULTURAL
APPLICATIONS**



PROFESSIONAL SHREDDING OF CROP RESIDUES WITH MÜTHING

Always a cut above the rest

Thanks to users like you, who we maintain an ongoing dialogue with, we are able to build mulchers that meet both the tough demands of day-to-day use and your requirements. As a family-run company located in Soest in North Rhine-Westphalia, we design and develop pioneering mulchers which are a pleasure to work with.

Agriculture, area cultivation or special crops - operating reliability and the best mulching result regardless of where and how you want to work. Every Müthing mulcher is a specialist when it comes to first-class mulching quality and shredding. You can rely on our mulchers because ultimately we build machines for you and your needs. OPTIMAL MULCHING WITH MÜTHING



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WHY YOU SHOULD MULCH



MULCHING: AN IMPORTANT PART OF MODERN AGRICULTURE

Modern agriculture is about more than just producing food. Alongside their expectations of the products, your customers/ the consumer also have expectations relating to production.

- Little or no pesticides
- Environmentally compatible farming methods
- Sustainable farming with consideration for the landscape
- Increased soil fertility

One aspect of efficiently meeting these criteria involves helping nature with its natural processes.

- Finely mulched crop residues promote fast decomposition. This prevents diseases and pests from developing.
- Crop residues which decompose rapidly provide nutrients for the next crop. Uniform distribution of the residues also means uniform distribution of the nutrients.

- Uniform application of the mulch prevents soil erosion.
- Coarse mulching of catch crops effectively stops them from running into seed, thus preventing unwanted plant growth in the next main crop.

Coarse mulching of catch crops binds the nutrients for longer and prevents leaching.

Fine mulching of field edges prevents seeds from entering the soil and ensures an appealing appearance after just a short period of time.

With Müthing mulchers, you can achieve the results you need for your particular application. Our Vario technology allows the mulcher to be specially adjusted to perform shredding not just efficiently and intensively, but also economically and extensively.

SUSTAINABLE FARMING SUCCESS



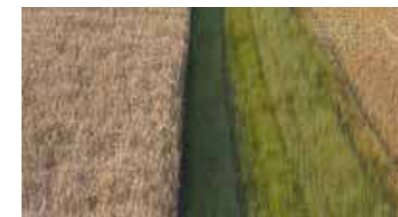
Grain stubble Uniform shredding and distribution of the crop residues ensures a smooth soil cultivation and sowing process. Fast decomposition of crop residues and optimal germination of volunteer grain reduces the use of pesticides in the next main crop. The uniformly distributed crop residues provide a uniform spread of nutrients and a homogenous main crop.



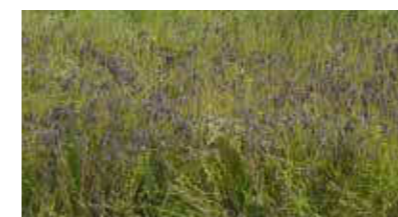
Maize stubble and maize stover Stubble which is shredded down to the rootstock provides little protection for leafroller larvae and disintegrates very quickly. Harvesting difficulties which can occur if the stubble is not shredded every year are avoided. Well-shredded maize stover decomposes quickly and this prevents Fusarium fungi from multiplying. As well as improving the quality of the next crop, this also significantly reduces the risk of high DON content*. *DON content = Proportion of Deoxynivalenol (mycotoxin)



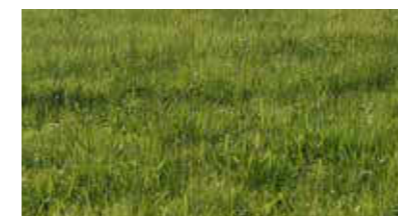
Rape stubble Mulching breaks open unripe pods and exposes volunteer oilseed rape plants. The mulch is discharged in front of the support roller, which ensures even distribution and consolidation of the crop residues and volunteer seeds. This results in excellent germination of the volunteer rape seeds. Diseases and fungi can persist in rape stover for a long time, while natural decomposition is also a very lengthy process. Intensive shredding speeds up this process and spore-producing fungi are not able to multiply.



Field edges Field edges which act as a margin between pathways and arable fields have a high ecological value. Alongside a wide variety of insects and wild animals, many wild herbs can also be found here. Mulching shortly before the dispersal of seeds from these weeds and herbs reliably prevents the seed from entering the cropped land. Intensive shredding allows the plants to grow through quickly and the edge of the field regains its rich green appearance.



Fallow land Fallow land is land which is not being used and where pioneer plants start to grow. Annual care in the form of mulching limits growth, while also ensuring a well-maintained appearance and effectively preventing changes in plant species. The mulch also helps to build up soil humus and increases soil fertility. An efficient result can be achieved with extensive shredding at high speeds.



Grassland Grazing cattle avoid plants which are less nutritious and less appealing, as well as the grass around piles of dung. As a result, these grasses can multiply easily and the feed quality of the pasture reduces. Mulching the grazed land reduces the growth of these species and spreads out the dung piles. Loose discharge behind the support roller facilitates an aerobic decomposition process without the formation of mould. The result is rapid growth of high-quality grasses.



Catch crops Catch crops are an option in sustainable agriculture for building up humus and preventing erosion. Nutrients can be stored and then reused through decomposition in the next main crop. Appropriate mulching at low intensity in the autumn stops the growth. In the spring intensive shredding helps to speed up the rotting process. The mulching process is thus the key to success in modern agriculture and is an environmentally friendly alternative following greening regulations.

MÜTHING MULCHERS IN DETAIL

KEY FEATURES THAT MAKE A BIG DIFFERENCE

WHY MÜTHING MULCHERS CAN DO MORE

The sum of all details come together to make a Müthing mulcher perfect for use on your land.



1. Highly tempered flaps made of spring steel provide safety for you, the people around you and your tractor. They hold back foreign objects reliably and reduce damage.



2. Two rows of highly tempered spring steel flaps with swing protection provide additional protection at very high implement speeds. This additional safety is a feature of all Müthing Farmer models.



3. The TÜV thrown object test is your assurance that we have done everything possible to ensure the safety of you and other people within the operating area of the mulcher. The safety clearances are thus reduced to 2m alongside the machine and 8m in front of and behind the machine.



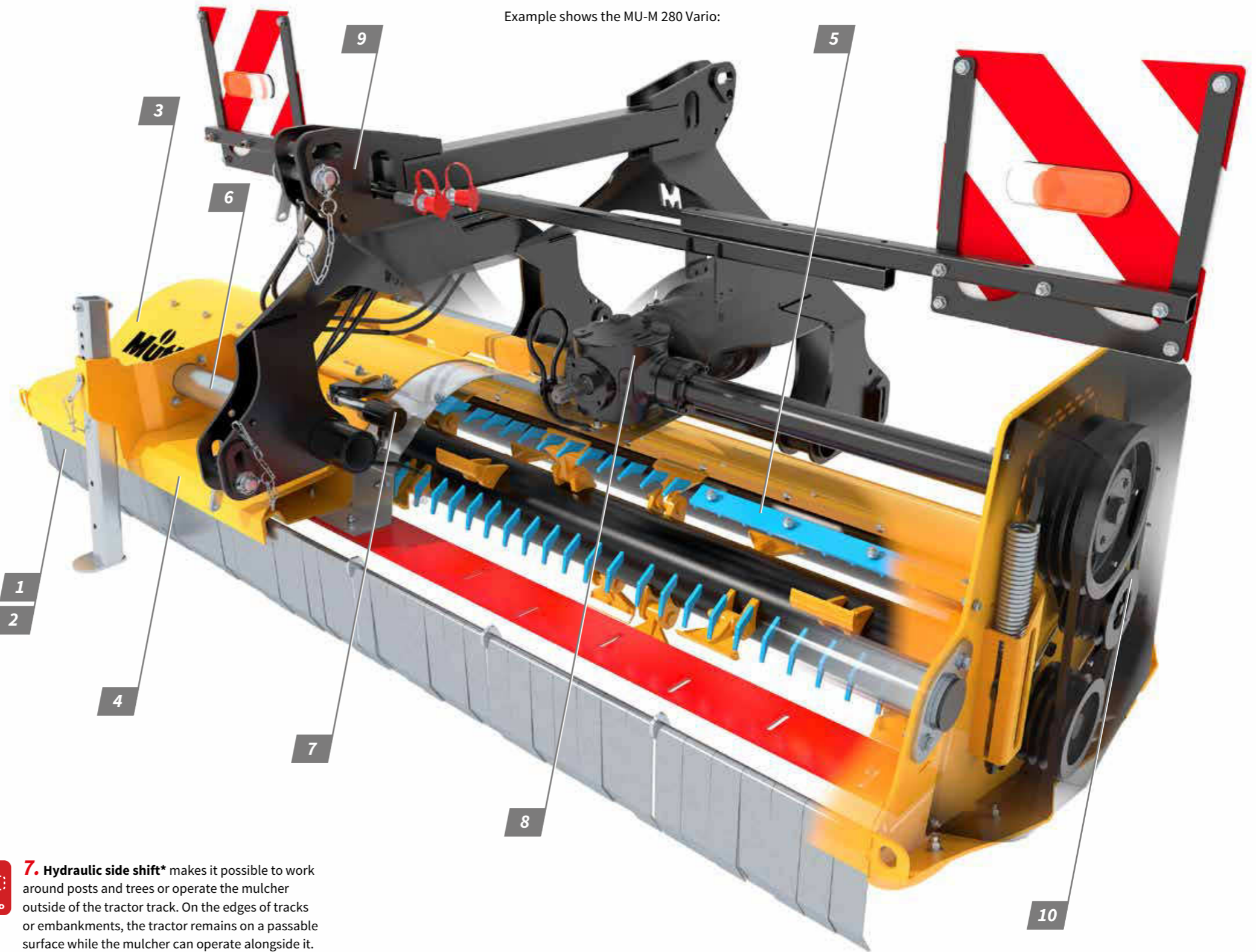
4. Fine-grain steel is the material that is used to make Müthing mulchers. Its outstanding wear-related properties and high strength allow our machines to be lighter. This reduces the balast on the tractor and on the ground.



5. "Shark fins" with a self-cleaning and exchangeable design. These ensure uniform shredding of all of the material. Long material is fed through the rotor in a second step in the crop flow, whereas material that is already shredded passes through. The result is homogenous mulched material.



6. Mechanical side shift allows the mulcher to be adjusted to the tractor track or allows the unit to be offset to the side. The adjustment can be made manually for a constant working position without any further requirements on the tractor.



Example shows the MU-M 280 Vario:



7. Hydraulic side shift* makes it possible to work around posts and trees or operate the mulcher outside of the tractor track. On the edges of tracks or embankments, the tractor remains on a passable surface while the mulcher can operate alongside it.



8. Freewheel in the gear box/hydraulic motor protects the rotor from abrupt braking and the tractor from high torque when shutting off the PTO shaft. Incorrect operation of the drive system is no longer possible.



9. Front-Rear headstock* allows mounting in front of or behind the tractor, without any additional complexity. Decide whether you want to mount at the front or at the rear depending on the task and tractor.



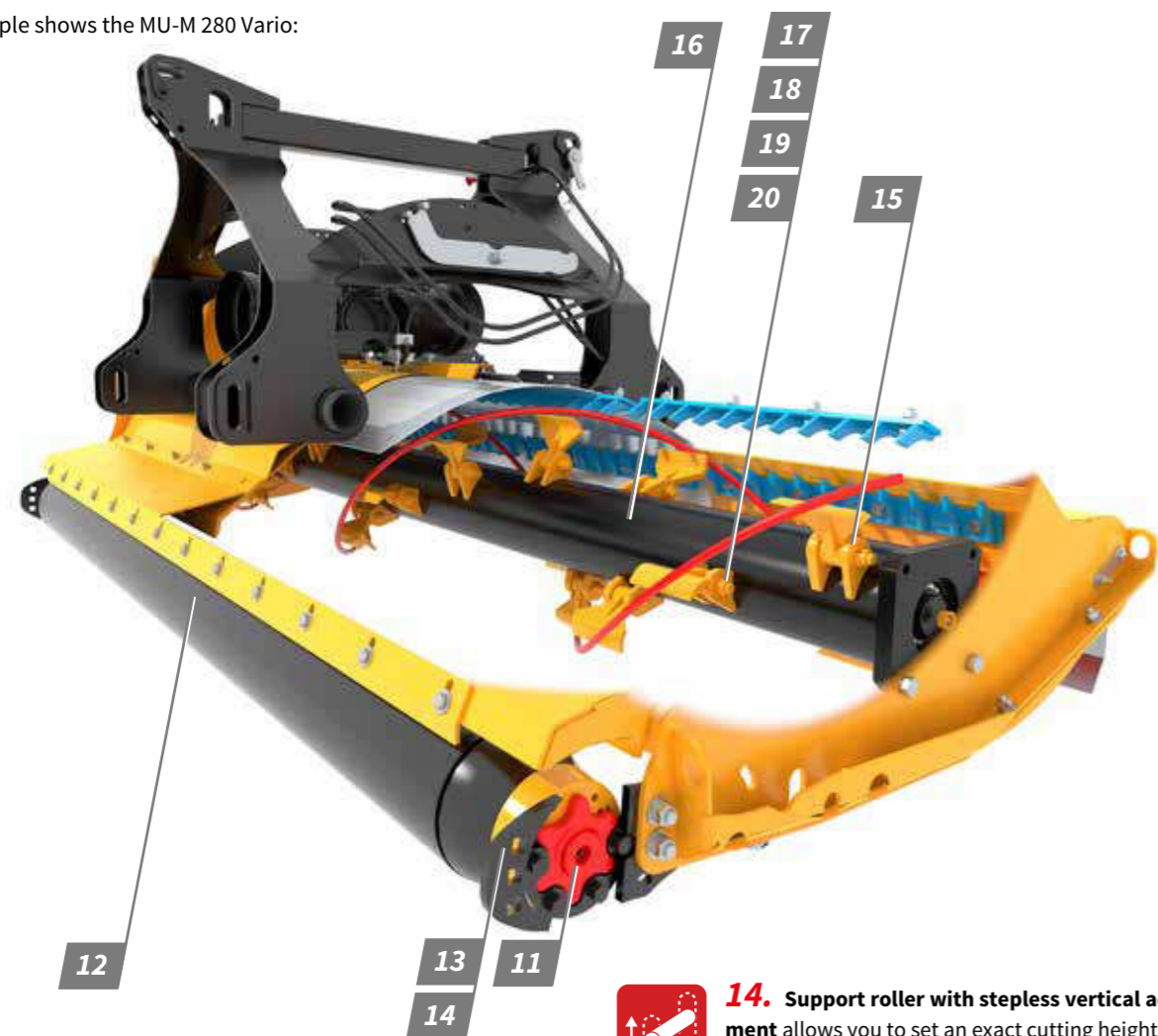
10. Automatic belt tensioning keeps the drive belt under tension, whether it is cold or warm and whether the belt is new or already run in. Once adjusted, the tension is automatically maintained at the set level.

(Optional in some cases*)

MÜTHING MULCHERS IN DETAIL

KEY FEATURES THAT MAKE A BIG DIFFERENCE

Example shows the MU-M 280 Vario:



11. Starinth® rear roller bearing is the heavy-duty rear roller bearing of Müthing. With lifetime lubrication, the bearing is protected by a labyrinth seal and housed in a unit which is mounted in a star-shaped contour to prevent twisting. Impacts on the bearing are minimised by the star-shaped contour and the service life of the bearing is thus optimised.



12. Adjustable support roller* makes the mulcher a piece of equipment that can be used all year round. When performing pasture care or edging work, the front roller position discharges the material loosely behind the roller to ensure fast decomposition. The rear position of the support roller ensures prompt germination of the volunteer seeds in rape crops.



13. Vertically adjustable support roller/support wheels* make it possible to adjust the equipment to different working depths. Crop residues that are mulched to a minimum can be achieved just as easily as rich green turf.



14. Support roller with stepless vertical adjustment allows you to set an exact cutting height on any terrain. The vertically guiding support roller produces a uniform mowing pattern with directional mowing stripes and the best possible mulch distribution - adjusting it is child's play.



15. Tangential tool holders lift the rotor over obstacles and thus protect it from imbalance. The connection to the rotor is improved by the longer weld seam, which prevents the tool holders from breaking off.



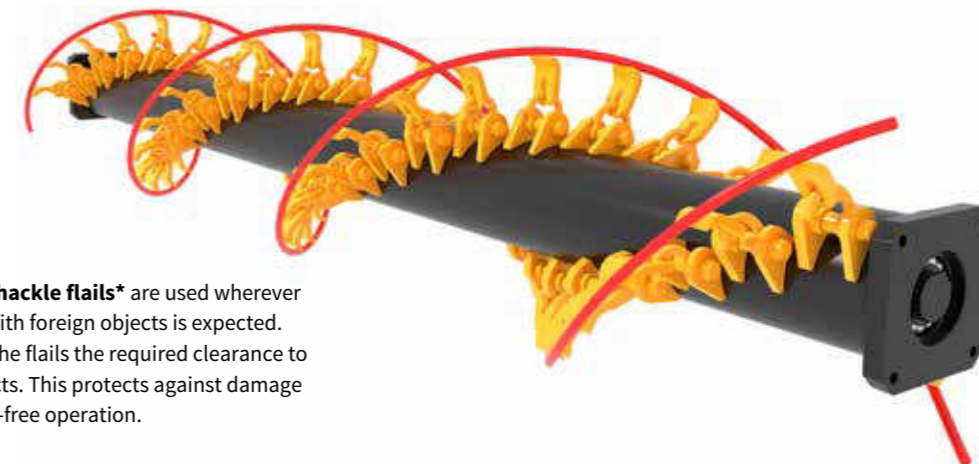
16. Twin-spiral rotor ensures smooth operation of the rotor. This reduces fuel consumption, while also reducing the load on the drive line at the same time. This extends the service life of the gear boxes and PTO shafts. The internal bearing and wide bearing shells provide protection against foreign objects and perform an anti-wrapping function.



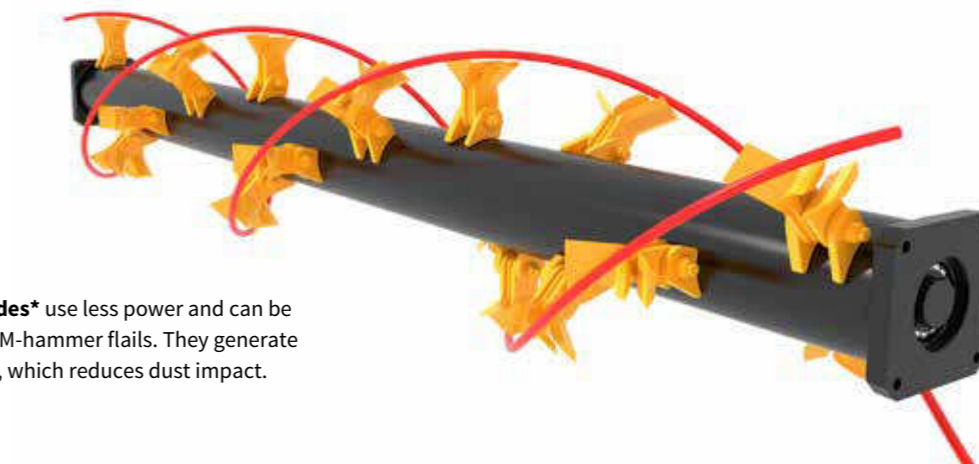
17. M-hammer flail is the main tool of a Müthing mulcher. It is characterised by high resistance to wear and powerful performance. Whether you are looking to make a clean cut through grass or shred some shrubbery, the M-hammer flail gives you plenty of options.



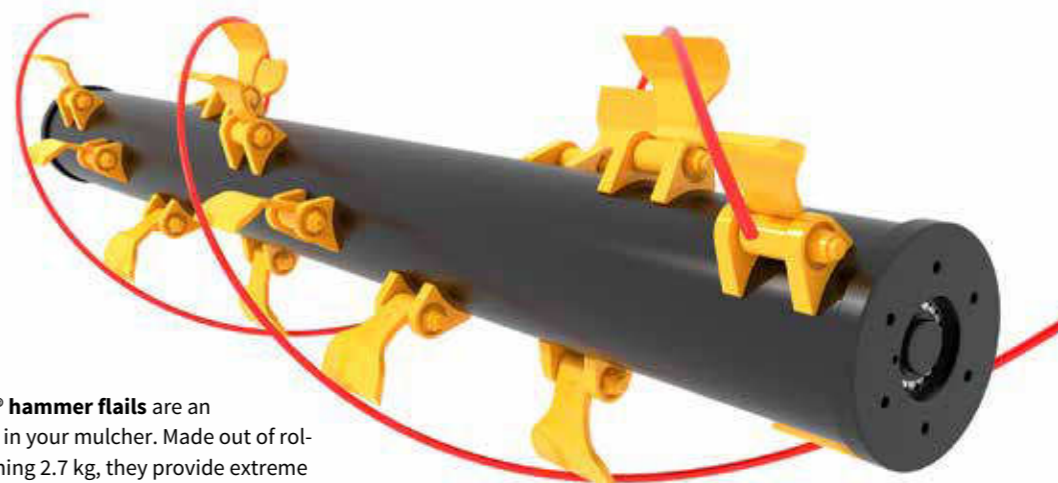
18. Carbide M-shackle flails* are used wherever frequent contact with foreign objects is expected. The shackles give the flails the required clearance to avoid foreign objects. This protects against damage and allows trouble-free operation.



19. Triple Y-blades* use less power and can be exchanged for the M-hammer flails. They generate less air movement, which reduces dust impact.



20. MU-Farmer® hammer flails are an indestructible tool in your mulcher. Made out of rolled steel and weighing 2.7 kg, they provide extreme durability even under high throughput rates or with light ground contact.



(Optional in some cases*)

MÜTHING MULCHERS IN DETAIL

KEY FEATURES THAT MAKE A BIG DIFFERENCE

THE MU-VARIO® SYSTEM FROM MÜTHING



21. MU-Vario® System allows you to adjust the mulcher to your conditions with an optimised intake and housing form and steplessly adjustable cutting and shredding rates.

Components of the MU-Vario® System:



Process any crop correctly thanks to a steplessly adjustable Vario cutting bar.



22. Mechanical collision protection device (side arm) prevents damage from collisions without compromise. You do not have to make any more adjustments, the collision protection device is adapted to the mulcher. You cannot accidentally adjust it incorrectly or forget to use it, the collision protection device is always in operation. A Müthing patent.



23. Hydraulic collision protection device* (side arm) gives you individual options. A lighter tractor or coarse brushwood, adjust the response pressure to match your tasks and work: for continuous safe operation.

(Optional in some cases*)

OUR PRODUCT RANGE

A MATCH FOR ANY CHALLENGE, THE SHREDDING EXPERTS

MU STANDS FOR MULCHING WITH MÜTHING

The widest range of mulchers for agricultural use. Designed to take care of YOUR specific shredding task. A top-class mulching result is something that all Müthing mulchers have in common. You can depend on it!



Page 16-17

MU-ECOTOP Rear mounting

- Classic entry-level machine for smaller scale areas
- Basic mulching around the house and farm
- Müthing quality at an entry-level price
- Suitable for driving powers from 30 to 75 hp*
- Working width: 1.60 m/ 1.80 m/ 2.00 m



Page 18-19

MU-H Vario Front or rear mounting

- Entry-level machine with professional equipment and adjustment options
- Light mulching for agricultural applications
- Hydraulic side shift and MU-Vario® System
- Suitable for driving powers from 35 to 75/90 hp*
- Working width: 1.20 m/ 1.40 m/ 1.50 m/ 1.60 m/ 1.80 m/ 2.00 m/ 2.20 m



Page 20-21

MU-H/S Vario Rear mounting

- Entry-level rear/side mulcher for mounting on small/lightweight tractors
- Specially suited to maintain field edges
- Versatility thanks to wide side shift. Patented collision protection device
- Suitable for driving powers from 55 to 90 hp
- Working width: 1.40 m/ 1.60 m/ 1.80 m/ 2.00 m



Page 22-23

MU-L Vario Front and rear mounting

- Universal mulcher with large working width
- Front mounting possible even on small/lightweight tractors
- MU-Vario® System with swivelling support roller (optional)
- Suitable for driving powers from 45 to 100/130 hp*
- Working width: 1.80 m/ 2.00 m/ 2.20 m/ 2.50 m/ 2.80 m



Page 24-25

MU-L/S Vario Rear mounting

- Versatile rear/side mulcher for large area output
- Large working width as side mulcher, including for medium-sized tractors
- Very large side shift and patented collision protection device
- Suitable for driving powers from 75 to 130 hp
- Working width: 2.00 m/ 2.20 m/ 2.50 m



Page 26-27

MU-L/VS Rear mounting

- Variable side/embankment mulcher
- Vertically adjustable mulching housing allows flexible adjustment to embankments and ditches
- Adjustable hydraulic collision protection device for maximum safety
- Suitable for driving powers from 75 to 130 hp
- Working width: 1.60 m/ 1.80 m/ 2.00 m



Page 28-29

MU-M Vario Front and rear mounting

- The standard mulcher for the farmer
- Versatile adjustment options. Large entry opening due to adjustable support roller. Sturdy drive line for front and rear mounting with automatic V-belt tension. Support roller with sturdy rear roller bearing
- Variable adjustment of shredding rate
- Suitable for driving powers from 75 to 160 hp
- Working width: 2.20 m/ 2.50 m/ 2.80 m/ 3.00 m

Some illustrations show optional equipment.

The right to technical revision is reserved. Illustrations may not show the latest production version.

*Some model series can be converted from 540 rpm to 1000 rpm, which makes higher driving powers permissible. In these cases you will see two horsepower values

OUR PRODUCT RANGE

A MATCH FOR ANY CHALLENGE, THE SHREDDING EXPERTS



Page 30-31

MU-M/F Vario Rear mounting

- Centrally folding mulcher for greater work rate and high surface output
- Simple operation and fast turning without lifting due to support wheels that rotate through 360°
- Hydraulically driven center-mulcher
- Suitable for driving powers from 130 to 250 hp
- Working width: 6.00 m



Page 32-33

MU-M/S Rear mounting

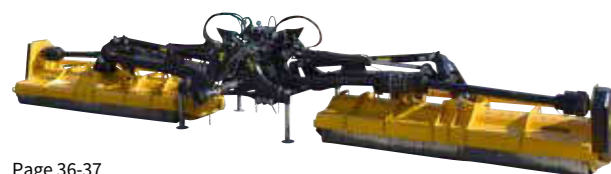
- Side/embankment mulcher also suitable for area use
- Vertically adjustable mulching housing allows flexible adjustment to embankments and ditches
- Adjustable hydraulic collision protection device for maximum safety
- Suitable for driving powers from 95 to 160 hp
- Working width: 1.80 m/ 2.00 m/ 2.20 m/ 2.50 m



Page 34-35

MU-PRO Vario Front and rear mounting

- Suitable for continuous heavy-duty usage, high driving power and large quantities of crop residues
- Adjustable crop flow flap for optimal discharge of the shredded mulch behind or in front of the support roller
- Variable adjustment of shredding rate
- Suitable for driving powers from 95 to 220 hp
- Working width: 2.50 m/ 2.80 m/ 3.00 m/ 3.20 m



Page 36-37

MU-PRO/F Vario Rear mounting

- Foldable large area mulcher
- Each unit features the functional advantages of the MU-Pro
- Manufactured out of extremely durable S700 fine-grain steel
- Operational weight and dimensions comply with German vehicle licensing regulations (StvZO)
- Suitable for driving powers up to 400 hp
- Working width: 8.60 m



Page 38-39

MU-PRO/S Vario Rear mounting

- Rear/side mulcher with robust design for professional usage
- Newly designed, straight drive line with swing drives
- Largest side shift range on the market in this power category
- Suitable for driving powers from 180 to 220 hp
- Working width: 2.50 m



Page 40-41

MU-Farmer® Front or rear mounting

- Sturdy design for extremely large quantities of crop residue
- Proven around the world thanks to its unique mulching quality and maximum robustness under high area output
- Designed for arable farm operations, machine co-operatives and farm contractors
- Suitable for driving powers from 120 to 220 hp
- Working width: 2.80 m/ 3.00 m/ 3.30 m



Page 42-43

MU-Farmer® 670 Rear mounting

- Mulcher suitable for large-area coverage, worldwide
- Lengthways transport device, convenient and simple to use
- High cutting rate. Unique hammer flails made of rolled steel with 3-year warranty against breakage
- Suitable for driving powers from 240 to 300 hp
- Working width: 6.70 m



Page 44-45

MU-Farmer®/S Rear mounting

- Trailed side mulcher with support wheels
- Hydraulic lengthways transport device for fast relocation between fields
- 5-support wheel concept allows for trouble-free operation even with high levels of crop residue and good ground following
- Suitable for driving powers from 160 to 280 hp
- Working width: 4.20 m

Some illustrations show optional equipment.

The right to technical revision is reserved. Illustrations may not show the latest production version.

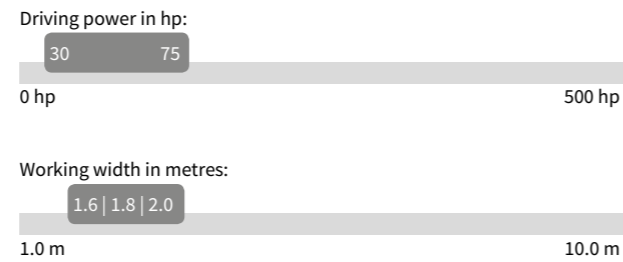
*Some model series can be converted from 540 rpm to 1000 rpm, which makes higher driving powers permissible. In these cases you will see two horsepower values

MU-ECOTOP

THE STARTING POINT FOR BETTER MULCHING

IT'S ALL ABOUT THE BASICS

- From pasture care to mulching work around the farmstead - everything is possible
- Müthing mulching quality with the equipment you need
- Simple handling: Both mounting and working



The headstock of the MU-ECOTOP allows the mulcher to be drawn directly behind the tractor or offset to the side.



High quality components even on entry-level variants is typical of Müthing.



Rear roller bearing from top-of-the-range equipment.



Direct power transmission with pre-tensioned belts of premium quality.



Technical Specifications

MU-ECOTOP	160	180	200
Working width (cm)	160	180	200
Total width (cm)	177	197	217
Max. tractor hp 540/1000 rpm	60/75	60/75	60/75
Weight (kg)	352	372	390
Number of hammer flails	14	16	16

MU-H Vario

A MULTI-TALENTED ENTRY-LEVEL MULCHER

ENTRY LEVEL MULCHER WITH PLENTY OF OPTIONS

- Lightweight machine for any type of terrain. Even small tractors can be used, especially in Alpine settings
- MU-Vario® System as standard
- Use the MU-H Vario as it suits you, with front or rear mounting on your tractor (optional)
- Customised working width for your application



Driving power in hp:

0 hp 500 hp

Working width in metres:
 | | | | | |

1.0 m 10.0 m



Use with front or rear mounting possible (optional).



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



Hydraulic side shift: Mulching at an offset to the side of the tractor provides flexibility for trees, access zones or other obstacles (optional).



PTO shaft speeds of 540 or 1000 rpm are possible.



The dust protection system for carrier vehicles prevents obstruction of the field of view and excessive soiling of low-lying intake points due to the production of dust (optional).

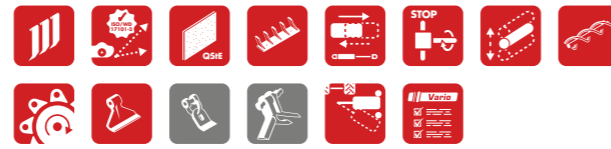
Technical Specifications

MU-H Vario	120	140	150	160	180	200	220
Working width (cm)	120	140	150	160	180	200	220
Total width (cm)	137	157	167	177	197	217	237
Max. tractor hp 540/1000 rpm	75/90	75/90	75/90	75/90	75/90	75/90	75/90
Weight (kg)	380	465	480	500	535	555	615
Number of "M" flails	10	12	12	14	16	16	18

MU-H/S Vario

THE SIDE MULCHING SYSTEM FOR SMALL TRACTORS

- The compact design of this unit simplifies mulching between obstacles such as trees
- MU-Vario® System as standard
- With a housing height of just 44 cm, it is easy to mulch the area underneath fences
- Whether you are working in ditches or on embankments, the MU-H/S Vario allows you to follow every contour
- Just two double-acting control devices allow you to control the machine
- Mulch both behind and alongside the tractor



Driving power in hp:

55	90
----	----

0 hp 500 hp

Working width in metres:

1.4	1.6	1.80	2.0
-----	-----	------	-----

1.0 m 10.0 m



FIRST STEP INTO FIELD HYGIENE



The patented mechanical collision protection device responds reliably and returns automatically to the working position.



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



A large swivel range makes it possible to work both behind and alongside the tractor. Narrow access tracks and field edges can be mulched just as easily.



Plenty of space for mounting on the tractor and the swivelling PTO shaft.

Technical Specifications

MU-H/S Vario	140	160	180	200
Working width (cm)	140	160	180	200
Max. tractor hp	90	90	90	90
Weight (kg)	650	660	690	720
Number of hammer flails	12	14	16	16
Minimum tractor weight (kg)	1800	2000	2200	2400



Working/adjustment ranges (cm)

	140	160	180	200
A	55	55	55	55
B	100	100	100	100
C	185	185	185	185
D	295	315	335	355

Working ranges (°)

	140	160	180	200
E	90	90	90	90
F	60	60	60	60

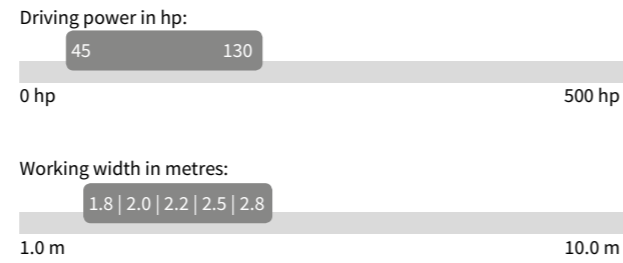
Legend:
A Adjustment range to left approx.
B Adjustment range to right approx.
C Transport length to rear approx.
D Total working range incl. equipment width approx.
E Angular range upwards
F Angular range downwards

MU-L Vario

HIGHLY VERSATILE

UNIVERSAL MULCHER FOR THE SMALL TO MEDIUM-SIZED OPERATION

- Fully equipped for arable farming and grassland
- MU-Vario® System as standard
- Use the MU-L Vario as it suits you, with front or rear mounting on your tractor (optional)
- Customised working width for your application
- Crop discharge in front of the large support roller is also possible optionally
- Long service life thanks to the internal Starinth® rear roller bearing system



Use with front or rear mounting possible (optional).



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



Hydraulic side shift: Mulching at an offset to the side of the tractor provides flexibility for trees, access zones or other obstacles (optional).



With two sturdy adapter plates, crop discharge in front of the support roller is also possible (optional).



Starinth® rear roller bearing.



PTO shaft speeds of 540 or 1000 rpm are possible.

Technical Specifications

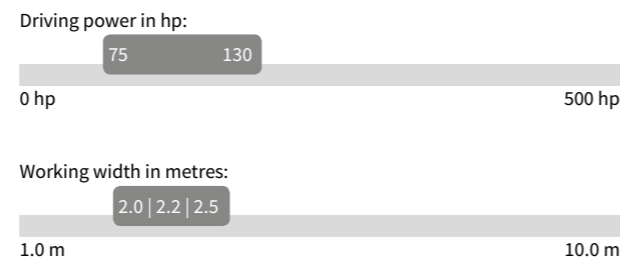
MU-L Vario	180	200	220	250	280
Working width (cm)	180	200	220	250	280
Total width (cm)	197	217	237	267	297
Max. tractor hp 540/1000 rpm	100/130	100/130	100/130	100/130	~/130
Weight (kg)	640	670	740	790	885
Number of hammer flails	16	16	18	22	24

MU-L/S Vario

EXTRA SURFACE OUTPUT FOR ANY APPLICATION

HIGH PERFORMANCE AT THE EDGE OR IN THE MIDDLE OF THE FIELD

- Full flexibility with a large working width
- MU-Vario® System as standard
- Whether you are working in ditches or on embankments, the MU-L/S Vario allows you to follow every contour
- Just two double-acting control devices allow you to control the machine
- Long service life thanks to the internal Starinth® rear roller bearing system
- Sturdy rear/side arm
- Mulch both behind and alongside the tractor



Plenty of space for mounting on the tractor and the swivelling PTO shaft.



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



A large swivel range makes it possible to work both behind and alongside the tractor. Narrow access tracks and field edges can be mulched just as easily.



The patented mechanical collision protection device responds reliably and returns automatically to the working position.



Starinth® rear roller bearing.

Technical Specifications

MU-L/S Vario	200	220	250
Working width (cm)	200	220	250
Max. tractor hp	130	130	130
Weight (kg)	910	930	950
Number of hammer flails	16	18	22
Minimum tractor weight (kg)	2800	3200	3500



Working/adjustment ranges (cm)

	200	220	250
A	70	70	70
B	105	105	105
C	200	200	200
D	375	395	425
E	90	90	90
F	60	60	60

Working ranges (°)

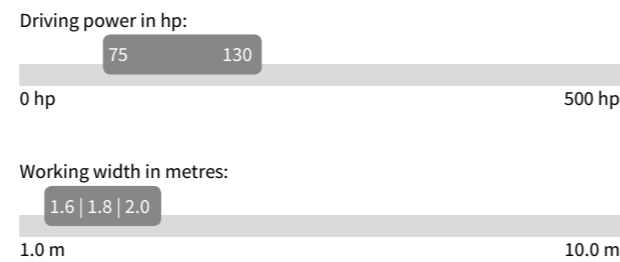
E Angular range upwards
F Angular range downwards

MU-L/VS

A MOTIVATED ALL-ROUNDER ALONGSIDE THE TRACTOR

AN OPTIMAL MULCHING RESULT ON ANY SIDE STRIP

- Both the inclination and height of the mulcher can be controlled separately. Allowing you to adapt to any terrain
- Side shift provides stability for the tractor and makes even deep ditches accessible (optional)
- Whether you are working in ditches or on embankments, the MU-L/VS automatically follows every contour
- Hydraulic non-stop collision protection device
- The basic functions can be controlled with just one single-acting control device
- Long service life thanks to the internal Starinth® rear roller bearing system
- Folds up for space-saving storage



Short design for a centre of gravity close to the tractor.



Direct power flow through compact drive for 1000 rpm.



The height of the mulcher can be adjusted hydraulically. Allowing plateaus alongside the tractor to be mulched as well.



In the event of a problem, the hydraulic non-stop collision protection device swivels the mulcher out of the collision zone effectively.



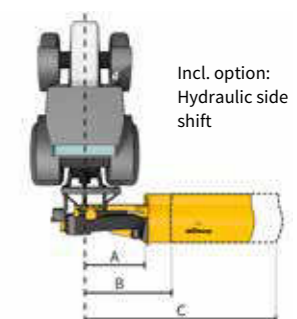
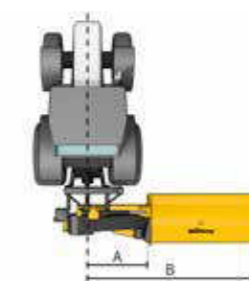
A clever design allows the MU-LV/S mulcher to be folded up for space-saving storage.



Automatically locking, mechanical transport safety device for quick departure readiness.



Starinth® rear roller bearing.



Incl. option:
Hydraulic side shift

	160	180	200
A	148	148	148
B	308	328	348
E	90	90	90
F	60	60	60

	160	180	200
A	117	117	117
B	177	177	177
C	337	357	377
E	90	90	90
F	60	60	60

Technical Specifications

MU-L/VS	160	180	200
Working width (cm)	160	180	200
Max. tractor hp 1000 rpm	130	130	130
Weight (kg)	950	980	1010
Number of hammer flails	14	16	16



Working/adjustment ranges (cm)

- A Side mounting to right
- B Total width to right
- C Adjustment range to right

Working ranges (°)

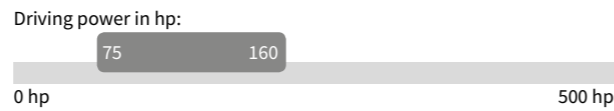
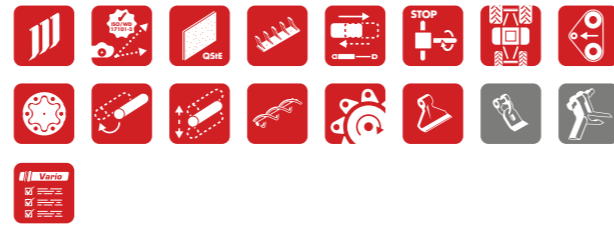
- E Angular range upwards
- F Angular range downwards

MU-M Vario

STRONG PERFORMANCE WITH THE VERSATILE MID-RANGE MULCHER

A HIGH STANDARD FOR ALL FARMERS

- Universally suited to any application area
- MU-Vario® System as standard
- Front and rear mounting as standard
- Hydraulic side shift as standard
- Crop discharge in front of the large support roller is also possible as standard. For example: For good germination of volunteer rape plants and when operating under difficult conditions
- Long service life thanks to the internal Starinth® rear roller bearing
- Fast maintenance thanks to easily accessible and clearly marked lubrication points and automatic belt tensioning



- Extremely narrow and exchangeable wearing skids ensure blockage-free operation and prevent crop accumulation



Sturdy front/rear headstock with hydraulic side shift (56 cm adjustment range).



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensioning system.



The scraper keeps the support roller clean and reduces dust development (optional).



Starinth® rear roller bearing.



For a long service life: the exchangeable wear insert and carbide wear runners.



Easy adjustment of the swivelling support roller, even without an assistant.



Elongated holes in Cat.3N on the upper and lower link mounting points ensure excellent ground following in combination with the swivelling support roller.

Technical Specifications

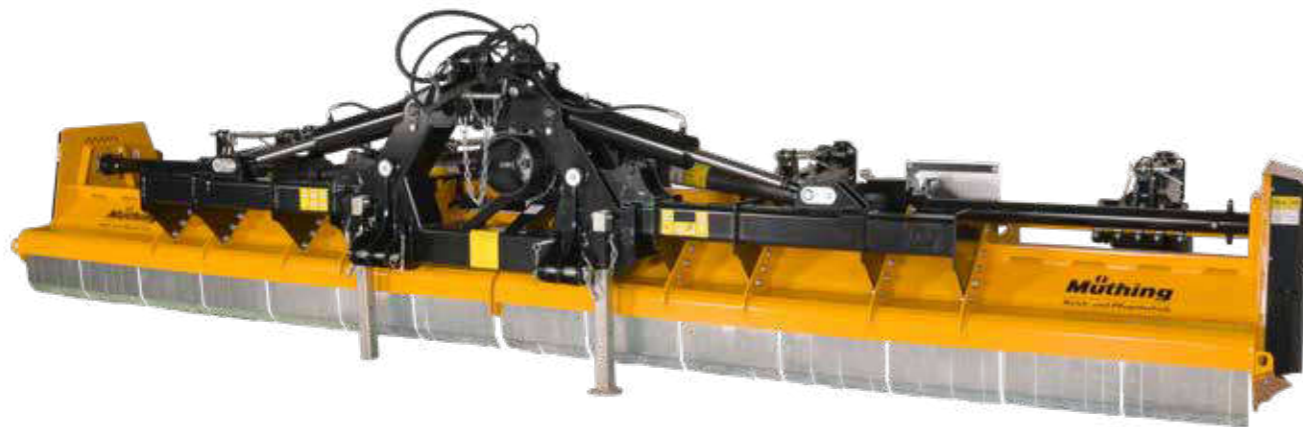
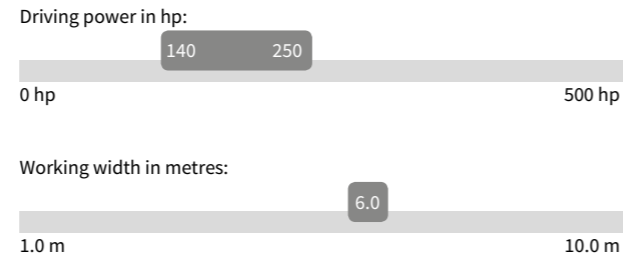
MU-M Vario	220	250	280	300
Working width (cm)	220	250	280	300
Total width (cm)	240	270	300	320
Max. tractor hp 1000 rpm	160	160	160	160
Weight (kg)	905	975	1010	1085
Number of hammer flails	18	22	24	26

MU-M/F Vario

STRONG PERFORMANCE AND FLEXIBILITY

HIGH SURFACE OUTPUT, FAST FIELD CHANGES AND SIMPLE HANDLING

- Easy turning and manoeuvring thanks to support wheels that rotate 360°
- MU-Vario® System as standard
- Folds hydraulically for fast field changes without getting off the tractor
- The hydraulically driven center-mulcher allows you to mulch every last blade
- The cutting height can be steplessly adjusted without the use of tools
- Folds up for space-saving storage



Fast change from transport to working position. Manageable transport position with 2.85 m transport width and 3.60 m transport height.



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



Maximum manoeuvrability at the headland.



The turnbuckle allows you to quickly set the correct cutting height.



A clever design allows the MU-M/F mulcher to be folded up for space-saving storage.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensioning system.

Technical Specifications

MU-M/F 600 Vario	600
Working width (cm)	600
Total width (cm)	620
Max. tractor hp	250
Weight (kg)	2700
Number of hammer flails	52



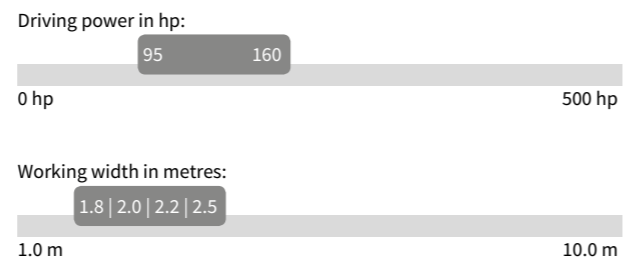
Large, patented swivelling support rollers for the option of discharging the crop either behind or in front of the roller and for adjusting the working height (optional).

MU-M/S

STRONG ON THE FLAT VERSATILE ON EMBANKMENTS AND IN DITCHES

ACHIEVE PROFESSIONAL WORK RESULTS – WHOEVER IS DRIVING

- Consistent mulching result on the flat due to mulcher housing suspension system
- Side shift as standard provides stability for the tractor and makes even deep ditches accessible (optional)
- Whether you are working in ditches or on embankments, the MU-M/S automatically follows every contour
- Hydraulic non-stop collision protection device
- Long service life thanks to the internal Starinth® rear roller bearing system



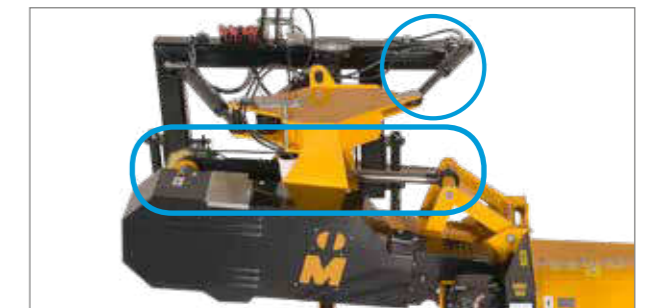
Short design for a centre of gravity close to the tractor.



Sturdy 3-point trestle with Cat. 2 and 3 mounting points.



Easily accessible transport safety device.



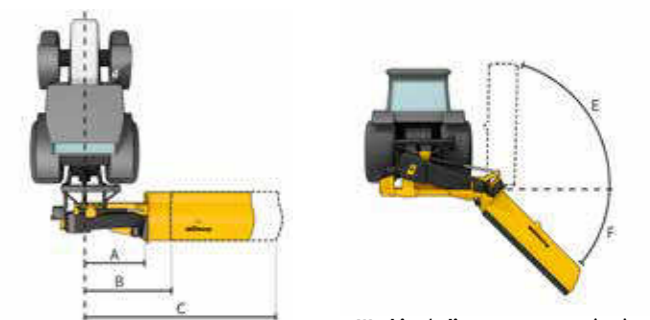
In the event of a problem, the hydraulic non-stop collision protection device swivels the mulcher out of the collision zone effectively.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensing system. The easily accessible maintenance flap allows the power belt to be inspected quickly.

Technical Specifications

	MU-M/S	180	200	220	250
Working width (cm)		180	200	220	250
Max. tractor hp 1000 rpm		160	160	160	160
Weight (kg)		1140	1210	1280	1380
Number of hammer flails		16	16	18	22



Working/adjustment ranges (cm)

	180	200	220	250
A	120	120	120	120
B	165	165	165	165
C	345	365	385	415

Working ranges (°)

	180	200	220	250
E	90	90	90	90
F	60	60	60	60

Working/adjustment ranges (cm)
A Side mounting to right approx.
B Adjustment range to right approx.
C Total width to right approx.

Working ranges (°)
E Angular range upwards
F Angular range downwards

MU-PRO Vario

PRO, FOR THE PROFESSIONAL USER

MAXIMUM: THROUGHPUT, SHREDDING, PERFORMANCE

- Leaves no desire unfulfilled, generous standard equipment
- MU-Vario® System as standard
- Front and rear mounting as standard
- High quantities of biomass thanks to large MU-Vario® housing opening
- Crop discharge in front of the large support roller is also possible as standard. For example: For good germination of volunteer rape plants and when operating under difficult conditions
- Fast maintenance thanks to easily accessible and clearly marked lubrication points and automatic belt tensioning



- Long service life thanks to the internal Starinth® rear roller bearing system
- Extremely narrow and exchangeable wear runners ensure blockage-free operation and prevent crop accumulation



Sturdy front/rear headstock with hydraulic side shift (56 cm adjustment range) and Cat. 2+3 mounting points.



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensioning system.



The integrated material guiding flap ensures blockage-free discharge.



Easy adjustment of the swivelling support roller, even without an assistant.



The scraper keeps the large support roller clean and reduces dust development (optional).



Starinth® rear roller bearing.



Elongated holes on the upper and lower link mounting points ensure excellent ground following in combination with the swivelling support roller.

Technical Specifications

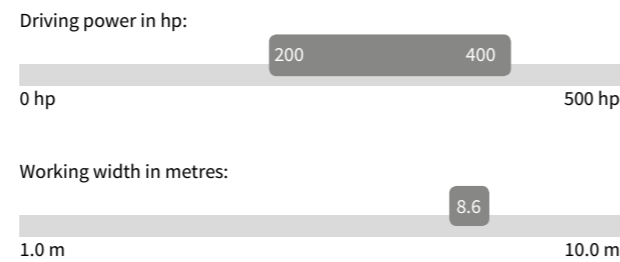
MU-Pro Vario	250	280	300	320
Working width (cm)	250	280	300	320
Total width (cm)	270	300	320	340
Max. tractor hp	220	220	220	220
Weight (kg)	1330	1400	1460	1500
Number of hammer flails	22	24	26	28

MU-PRO/F Vario

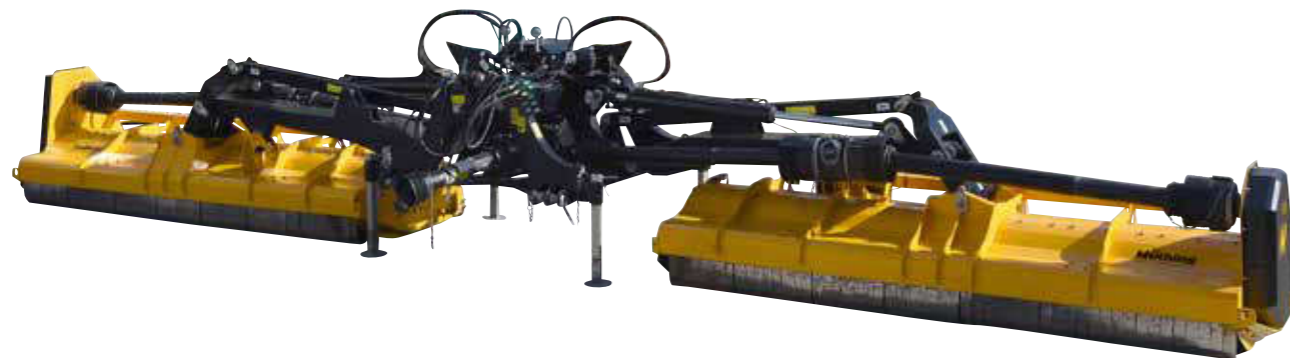
THE PRO WITH MAXIMUM PERFORMANCE RANGE

MAXIMUM SURFACE OUTPUT

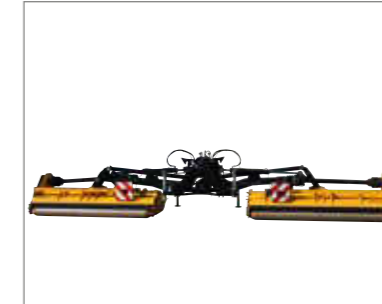
- The clever offset design allows driving powers of up to 400 hp
- MU-Vario® System as standard
- Balance: Combination with a MU-PRO Vario front mulcher produces an optimal weight distribution
- Maximum working width in the field, manageable transport position with 2.85 m transport width and total height well below 4 m
- Built out of high-strength fine-grain steel S700MC for a low dead weight combined with extreme strength
- User friendly handling with just one operation needed at the headland
- Long service life thanks to the internal Starinth® rear roller bearing system
- Perfect ground following due to the MU-SOFA® weight transfer system



- Folds up for space-saving storage
- Fast maintenance thanks to easily accessible and clearly marked lubrication points and automatic belt tensioning



Short design for a centre of gravity close to the tractor (quick hitch-suitable).



The clever offset design allows for a high-performance twin gear box and split power transmission to each side.



The gear box: Designed for driving powers of up to 400 hp.



Folds up fast thanks to the freewheels in the final drives.



A clever design allows the MU-PRO/F mulcher to be folded up for space-saving storage.



Clever folding: Minimal equipment height due to the parallelogram-type suspension of the two mulcher housings.



Tidy: The on-board hydraulics with the MU-SOFA® weight transfer system.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensioning system.



The mulcher housings can also be lifted individually (optional).



Technical Specifications

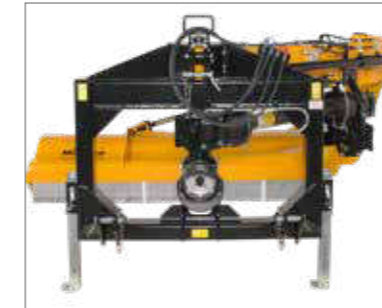
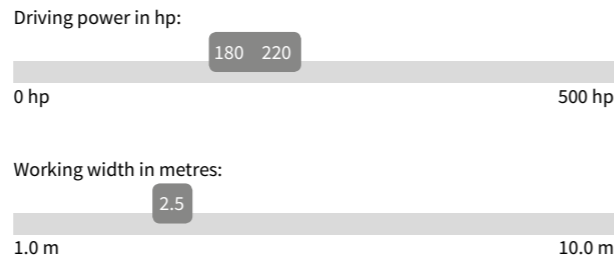
MU-PRO/F 860 Vario	860
Working width (cm)	860
Outer side (cm)	900
Max. tractor hp 1000 rpm	400
Weight (kg)	3600
Number of hammer flails	56

MU-PRO/S Vario

THE PRO AMONG SIDE-ARM SYSTEMS

MAXIMUM FLEXIBILITY, FULL POWER IN EVERY WORKING POSITION

- Optimal power flow due to swing drive system
- MU-Vario® System as standard
- Guaranteed durability: Solid mounting frame, hydraulic collision protection device and wear insert as standard
- Agile handling despite solid design
- The ideal working width extender on the flat in combination with a front-mounted implement
- Dense shrubbery in ditches, at field edges and hedges present no obstacle
- Long service life thanks to the internal Starinth® rear roller bearing system
- Fast maintenance thanks to easily accessible and clearly marked lubrication points and automatic belt tensioning
- Mulch both behind and alongside the tractor



Torsionally stiff Cat. 3 headstock, highly resistant to stress even at maximum extension.



Easy adjustment of the swivelling support roller, even without an assistant. The integrated material guiding flap ensures blockage-free discharge.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensioning system.



In the event of a problem, the hydraulic non-stop collision protection device swivels the mulcher out of the collision zone effectively.



Tidy: The hose routing.



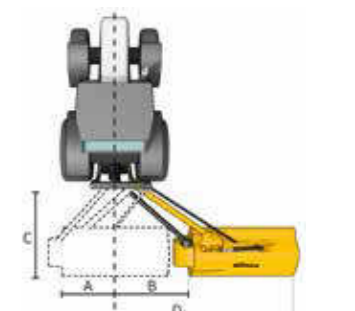
Part-turn gearboxes in the moving links allow for maximum travel under constant power.



MU-Vario® for an optimised intake and housing form and steplessly adjustable shredding rates. The result is ideal mulch quality and shredding performance.



Warning signs with lighting equipment and lighting beam with sturdy mounting wwwand without moving parts



Technical Specifications

MU-PRO/S Vario	250
Working width (cm)	250
Max. tractor hp	220
Weight (kg)	1900
Number of hammer flails	22
Minimum tractor weight (kg)	7.000

Working/adjustment ranges (cm)	
250	A Adjustment range to left approx.
A 103	B Adjustment range to right approx.
B 193	C Transport length to rear approx.
C 370	D Total working range incl. equipment width approx.
D 546	Working ranges (°)
E 90	E Angular range upwards
F 60	F Angular range downwards

HIGH-CAPACITY, FAST, STRONG – MU-FARMER®

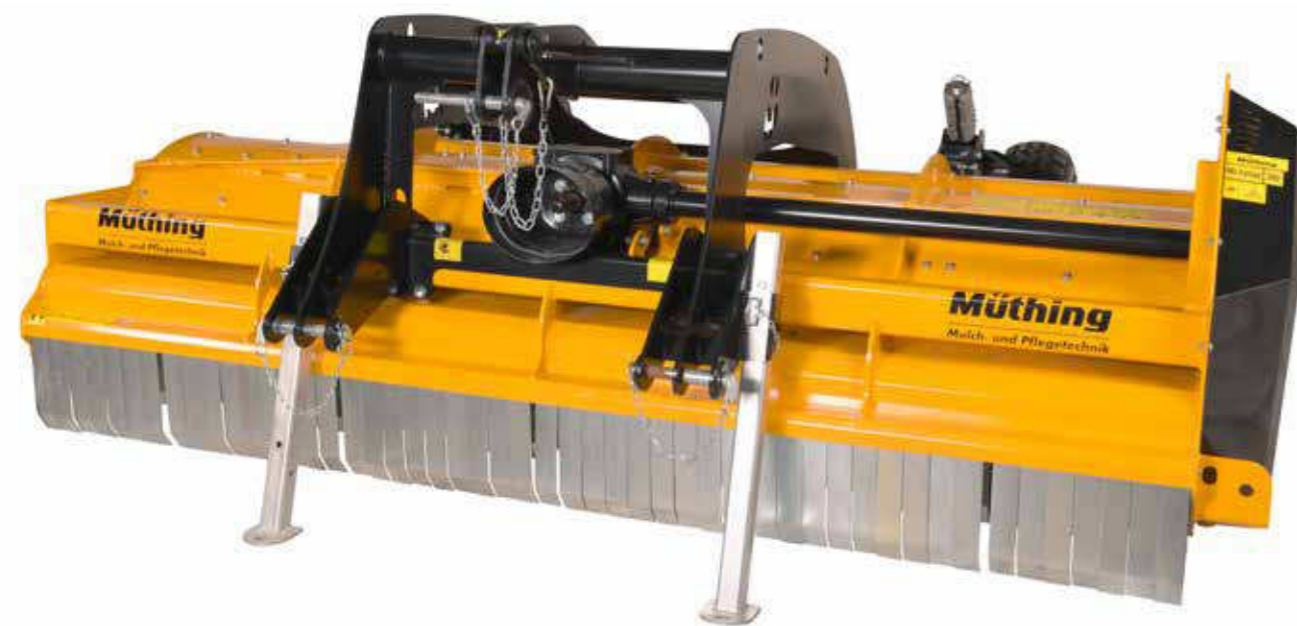
- Large amounts of biomass and high ground speeds - the MU-Farmer® can do both
- Reduced to the basics without moving parts, for maximum durability
- A large clearance from the working level to the sizeable rotor ensures operational safety
- Stay in close contact with the ground: working close to the ground is possible even under difficult conditions
- Long service life thanks to the internal Starinth® rear roller bearing system
- Doing some shredding? MU-Farmer®: With the highest cutting speed on the market
- The MU-Farmer® – The best at building up humus levels



Driving power in hp:



Working width in metres:



Twice the safety with two rows high tempered one way spring steel protections flaps.



Power in reserve: The solid, generously dimensioned rotor.



Indestructible: Made out of rolled steel and weighing 2.7 kg, the MU-Farmer® hammer flails provide extreme durability even under high throughput rates or with light ground contact.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensing system.



Powerful drive for up to 220 hp of drive power. Bolted 3-point trestle of Cat. 2+3, without moving parts which could cause downtime.



Low-impact support wheels for vertical adjustment of the Farmer unit for rear mounting. 180° swivelling for high manoeuvrability at the headland. Full-surface depth guidance with the large support roller on the Farmer unit for front mounting.



Durability even under the toughest conditions thanks to the sturdy frame structure of the housing.



Extended protection against stone projection: Maximum safety for your tractor and the surroundings (optional).

Technical Specifications

MU-Farmer®	280 (F/R)	300 (F/R)	330 (R)
Working width (cm)	280	300	330
Total width (cm)	300	320	350
Max. tractor hp 1000 rpm	220	220	220
Weight (kg)	1860/1770	1940/1850	2200
Number of hammer flails	18	20	22

MU-Farmer® 670

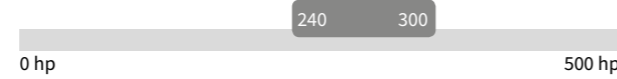
HARD WORK IS ITS DAILY BREAD

WIDE, HIGH-CAPACITY, FAST, STRONG – MU-FARMER® 670

- Large amounts of biomass and high ground speeds - the MU-Farmer® can do both
- Blockage-free discharge even of large quantities of shredded biomass thanks to the trailing support wheels
- Special MU-Farmer® hammer flails with 3-year warranty against breakage. This rolled-steel tool offers extremely high durability
- A large clearance from the working level to the sizeable rotor ensures operational safety
- Ground protection and operational safety with the large trailing support wheels
- Stay in close contact with the ground: working close to the ground is possible even under difficult conditions



Driving power in hp:



Working width in metres:



- The full-length housing provides maximum stability
- Doing some shredding? MU-Farmer®: With the highest cutting speed on the market
- Change fields quickly and safely with the lengthways transport device (optional)
- The MU-Farmer® – The best at building up humus levels



Twice the safety with two rows high-temperature one-way spring steel protection flaps.



Power in reserve: The solid, generously dimensioned rotor.



Indestructible: Made out of rolled steel and weighing 2.7 kg, the MU-Farmer® hammer flails provide extreme durability even under high throughput rates or with light ground contact.



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensing system.



Powerful drive on both sides for up to 300 hp of driving power. Durability even under the toughest conditions thanks to the sturdy frame structure of the housing.



Quickly ready for operation: Uncouple machine and move lengthways transport device into the working position / Hitch the MU-Farmer(R) 670 to the tractor using the quick coupling bar and connect the PTO shaft.

Technical Specifications

MU-Farmer® 670	670
Working width (cm)	670
Total width (cm)	712
Transport length (cm)	972
Max. tractor hp 1000 rpm	300
Weight (kg)	4460
Number of hammer flails	44



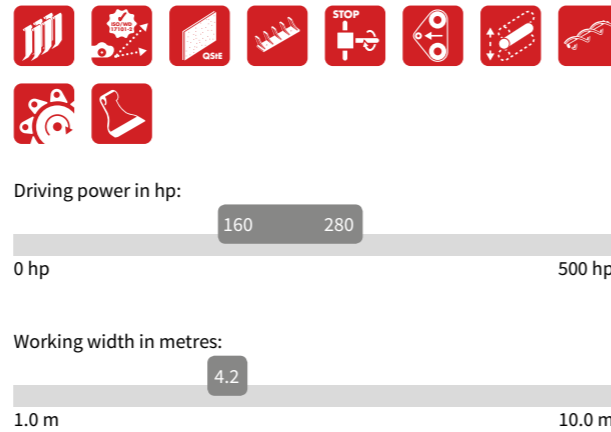
4 low-impact support wheels for vertical adjustment of the Farmer unit for rear mounting. 180° swivelling for high manoeuvrability at the headland.

MU-Farmer®/S

4.2 M WORKING WIDTH, CONVENIENT TRANSPORT AND LARGE AMOUNTS OF BIOMASS? IT WORKS!

HITCH UP, READY, GO

- Large amounts of biomass and high ground speeds - the MU-Farmer® can do both
- Blockage-free discharge even of large quantities of shredded biomass thanks to the large support wheels
- Special MU-Farmer® hammer flails with 3-year warranty against breakage. This rolled-steel tool offers extremely high durability
- A large clearance from the working level to the sizeable rotor ensures operational safety
- Operational safety and ground protection with the large trailing wheels of the field chassis
- Stay in close contact with the ground: working close to the ground is possible even under difficult conditions
- Moving quickly from field to field: Set the transport position in just a few minutes
- Doing some shredding? MU-Farmer®: With the highest cutting speed on the market
- The MU-Farmer® - The best at building up humus levels



Additional safety with the chain curtain and spring steel flaps with swing protection.



Power in reserve: The solid, generously dimensioned rotor.



Indestructible: Made out of rolled steel and weighing 2.7 kg, the MU-Farmer® hammer flails provide extreme durability even under high throughput rates or with light ground contact.



Twin-tyred field chassis for low-impact weight distribution and precise depth guidance.



Extended protection against stone projection: Maximum safety for your tractor and the surroundings (optional).



Road transport: Quickly reconfigured from the driver's seat and manually secured.



Technical Specifications

MU-Farmer®/S	420
Working width (cm)	420
Max. tractor hp 1000 rpm	280
Weight (kg)	4060
Number of hammer flails	32



Durability even under the toughest conditions thanks to the sturdy frame structure of the housing.

SERVICE

RELIABILITY AS STANDARD

The foundation of durability

Even in the early design phase of a MÜthing mulcher, reliability is one of the most important development criteria for us.

Irrespective of whether the equipment is being used to manage seasonal peaks, for tough day-to-day tasks or for intensive and continuous operation. Reliability right from the start. We want you to be able to depend on your MÜthing mulcher.

Fast assistance

This means helping you without complication and within the shortest period of time - exactly when you really need it. To ensure that your MÜthing mulcher is back up and running again quickly.

Genuine spare parts

MÜthing spare parts are designed to uphold our quality promise. Our selection of outstanding components ensures a long service life.

High-quality spare parts are available for every mulcher. And they will be for a very long time after you have decided to purchase a MÜthing mulcher.

You can count on us. With MÜthing spare parts, we will quickly provide a long-lasting solution to the problem.



CORE EXPERTISE: SMOOTH-RUNNING ROTORS

The centrepiece of every mulcher is the rotor with its tools. The smooth running characteristics of a rotor have a strong influence on its service life. A uniform mulching result and a continuous demand for power. Every MÜthing rotor is designed to maintain these characteristics for a long time, even under heavy duty usage.

But if the worst comes to the worst and your rotor is damaged by foreign object, an imbalance can occur. With our in-house balancing machine, our service team can help you quickly and without complication.

Our service for you:



In-house balancing machine



Specially trained staff



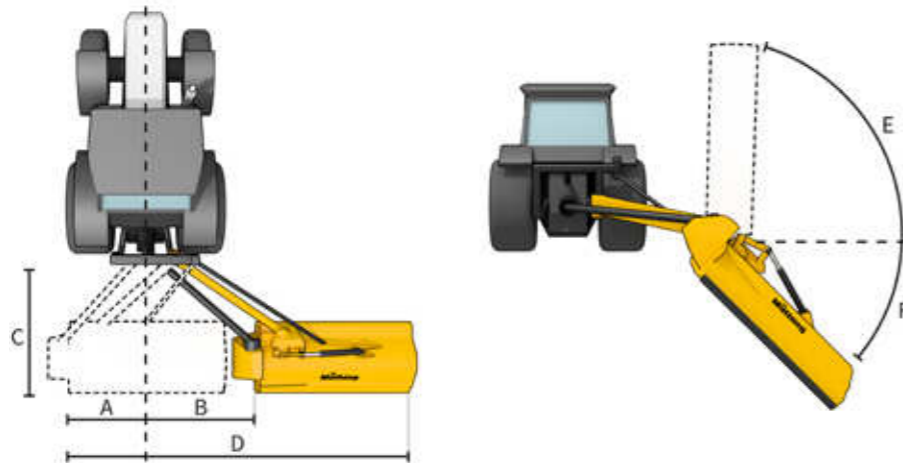
MÜthing genuine tools sorted into 3 weight stages (20 grams each)

TECHNICAL DATA

	ECOTOP	MU-H Vario	MU-H/S Vario	MU-L Vario	MU-L/S Vario	MU-L/VS	MU-M Vario	MU-M/F Vario
Dimensions and weights								
Working width (cm)	160 180 200	120 140 150 160 180 200 220	140 160 180 200	180 200 220 250 280	200 220 250	160 180 200	220 250 280 300	600
Transport width (cm)	177 197 217	137 157 167 177 197 217 237	n/a	197 217 237 267 297	n/a	n/a	240 270 300 320	285
Weight (kg)	352 372 390	380 465 480 500 535 555 635	650 660 690 720	640 670 740 790 885	910 930 950	950 980 1010	905 975 1010 1085	2700
Driving power								
Power demand* (hp)	30/75	75/90	90	100/130	130	130	160	250
Max. driving power (hp)	75	90	90	130	130	130	160	250
PTO shaft speed* (rpm)	540/1000	540/1000	540	540/1000	540	1000	1000	1000
Freewheel	■	■	■	■	■	■	■	■
Number of V-belts	3	3	4	4	4	4	4	5
Mounting								
Front	-	□	-	□	-	-	-	-
Rear	Cat. 1+2	□	Cat. 2	□	Cat. 2	Cat. 2	-	Cat. 2+3
Front-Rear	-	Cat. 1+2	-	Cat. 1+2	-	-	Cat. 2	-
Mechanical side shift (cm)	-	■	-	■	-	-	-	-
Hydraulic side shift (cm)	-	□	■	□	■	□	■	-
Swivel range (°)	-	-	-60° - +90°	-	-60° - +90°	-60° - +90°	-	-
Control devices	-	min. 1 DA	min. 2 DA	min. 1 DA	min. 2 DA	min. 2 SA	min. 1 DA	min. 2 SA
Working/adjustment ranges								
A: Adjustment range to left / A: Side mounting to right	-	n/a	55 55 55 55	n/a	70 70 70	117 117 117	n/a	-
B: Adjustment range to right	-	n/a	100 100 100 100	n/a	105 105 105	177 177 177	n/a	-
C: Transport length to rear / C: Total width to right	-	n/a	185 185 185 185	n/a	200 200 200	337 357 377	n/a	-
D: Total working range incl. equipment width	-	n/a	295 315 335 355	n/a	375 395 425	n/a	n/a	-
E: Angular range upwards	-	-	90°	-	90°	90°	-	-
F: Angular range downwards	-	-	60°	-	60°	60°	-	-

* Some model series can be converted from 540 rpm to 1000 rpm, which makes higher driving powers permissible - in these cases you will see two horsepower values.

- Not available ■ Standard □ Optional



Working/adjustment ranges for the following models:

- MU-H/S Vario
- MU-L/S Vario
- MU-PRO/S Vario

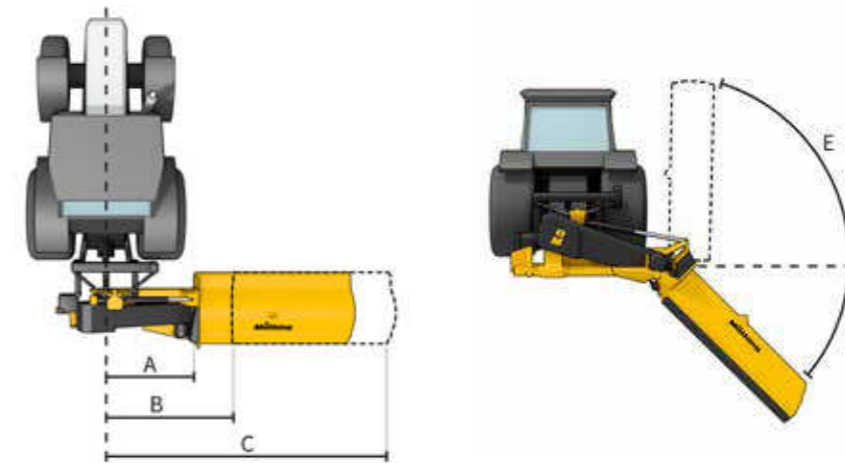
Some illustrations show optional equipment.

The right to technical revision is reserved. Illustrations may not show the latest production version.

	MU-M/S	MU-PRO Vario	MU-PRO/F Vario	MU-PRO/S Vario	MU-Farmer®-Rear	MU-Farmer®-Front	MU-Farmer 670®	MU-Farmer/S®
Dimensions and weights								
Working width (cm)	180 200 220 250	250 280 300 320	860	250	280 300 330	280 300	670	420
Transport width (cm)	345 365 385 415	270 300 320 340	285	n/a	300 320 350	300 320	238	298
Weight (kg)	1140 1210 1280 1380	1330 1400 1460 1500	3600	1900	1860 1940 2200	1770 1850	4460	4060
Driving power								
Power demand* (hp)	160	220	500	220	220	220	300	280
Max. driving power (hp)	160	220	500	220	220	220	300	280
PTO shaft speed* (rpm)	1000	1000	1000	1000	1000	1000	1000	1000
Freewheel	■	■	■	■	■	■	■	■
Number of V-belts	4 / 5	5	10	5	5	5	10	5
Mounting								
Front	-	-	-	-	-	Cat. 2+3	-	-
Rear	Cat. 2+3	-	Cat. 3+4	Cat. 3	Cat. 2+3	-	Cat. 3	Cat. 3
Front-Rear	-	Cat. 2+3	-	-	-	-	-	-
Mechanical side shift (cm)	-	-	-	-	-	-	-	-
Hydraulic side shift (cm)	■	■	-	■	-	-	-	-
Swivel range (°)	-60° - +90°	-	-	-60° - +90°	-	-	-	-
Control devices	min. 2 DA	min. 1 DA	min. 2 DA	min. 2 DA	-	-	-	-
Working/adjustment ranges								
A: Adjustment range to left / A: Side mounting to right	120 120 120 120	n/a	103	-	-	-	-	-
B: Adjustment range to right	165 165 165 165	n/a	193	-	-	-	-	-
C: Transport length to rear / C: Total width to right	345 365 385 415	n/a	370	-	-	-	-	-
D: Total working range incl. equipment width	n/a	n/a	546	-	-	-	-	-
E: Angular range upwards	90°	-	90°	-	-	-	-	-
F: Angular range downwards	60°	-	60°	-	-	-	-	-

* Some model series can be converted from 540 rpm to 1000 rpm, which makes higher driving powers permissible - in these cases you will see two horsepower values.

- Not available ■ Standard □ Optional



Working/adjustment ranges for the following models:

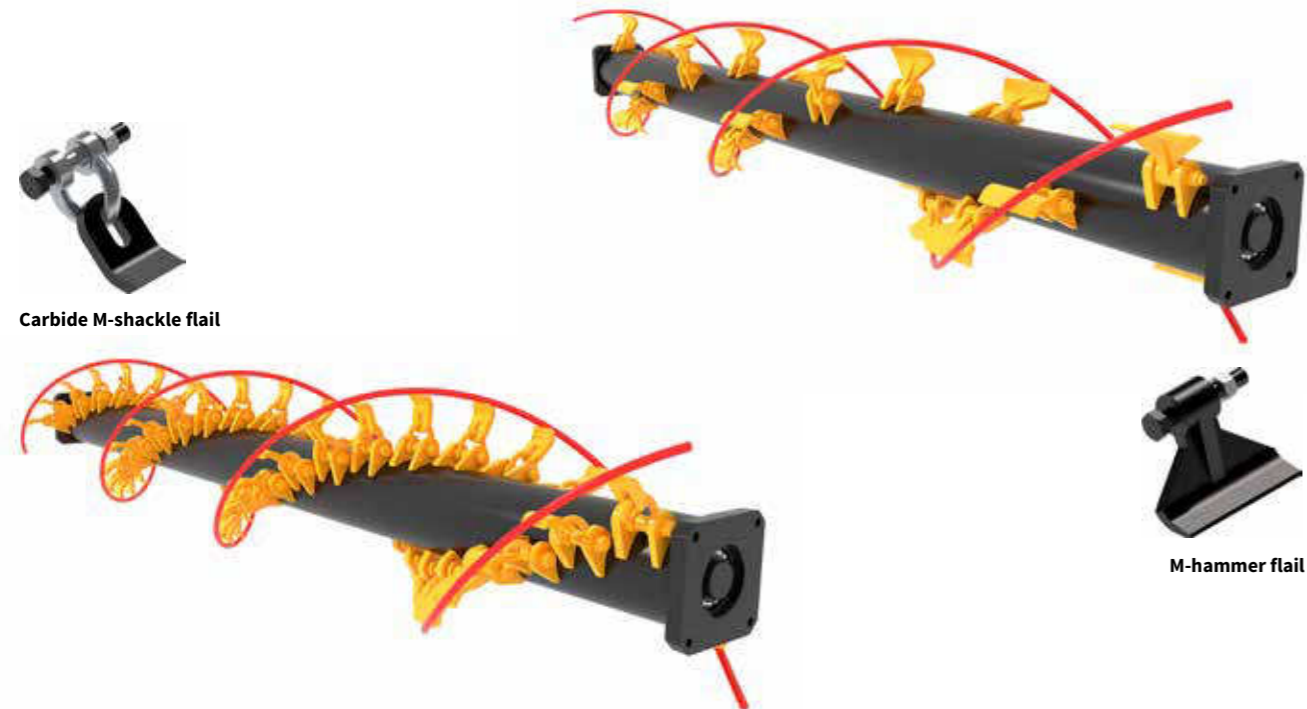
- MU-L/VS
- MU-M/S

TECHNICAL DATA

	ECOTOP	MU-H Vario	MU-H/S Vario	MU-L Vario	MU-L/S Vario	MU-L/VS	MU-M Vario	MU-M/F Vario
Rotor								
Diameter (cm)	14	14	14	16 16 16 18	16	16	17 17 17 19	20
Effective diameter (cm)	40	40	40	42 42 42 44	42	42	44 44 44 45	47
Farmer hammer flail	-	-	-	-	-	-	-	-
M-hammer flail	■	■	■	■	■	■	■	■
M-shackle flail	-	□	□	□	□	□	□	-
Triple Y-blade	-	□	□	□	□	□	□	-
Depth guidance								
Support roller	■	■	■	■	■	■	■	■
Front/rear position	Fixed	Fixed	Fixed	Adjustable	Adjustable	Adjustable	Swivelling	Swivelling
Diameter (cm)	14	14	14	19	19	19	19	19
Support wheels	-	-	-	-	-	-	□	■
Housing								
Wear insert	-	□	□	□	□	□	□	■
Wear runners	-	□	□	□	□	□	■	■
Vario cutting bar	-	□	□	□	□	-	□	□
Short chopping bar (shark fin)	■	■	■	■	■	■	■	■
Second short chopping bar	-	□	□	□	□	□	□	□
Optional equipment								
Front shock-absorbing spring assembly	-	□	-	□	-	-	□	-
MU-SOFA® weight transfer system	-	□	-	□	-	-	□	-
Warning signs with lighting equipment	□	□	□	□	□	□	□	-
Warning signs with LED lighting equipment	-	-	-	-	-	-	□	-
Operating hours counter	-	□	□	□	□	□	□	□

* Some model series can be converted from 540 rpm to 1000 rpm, which makes higher driving powers permissible - in these cases you will see two horsepower values.

- Not available ■ Standard □ Optional



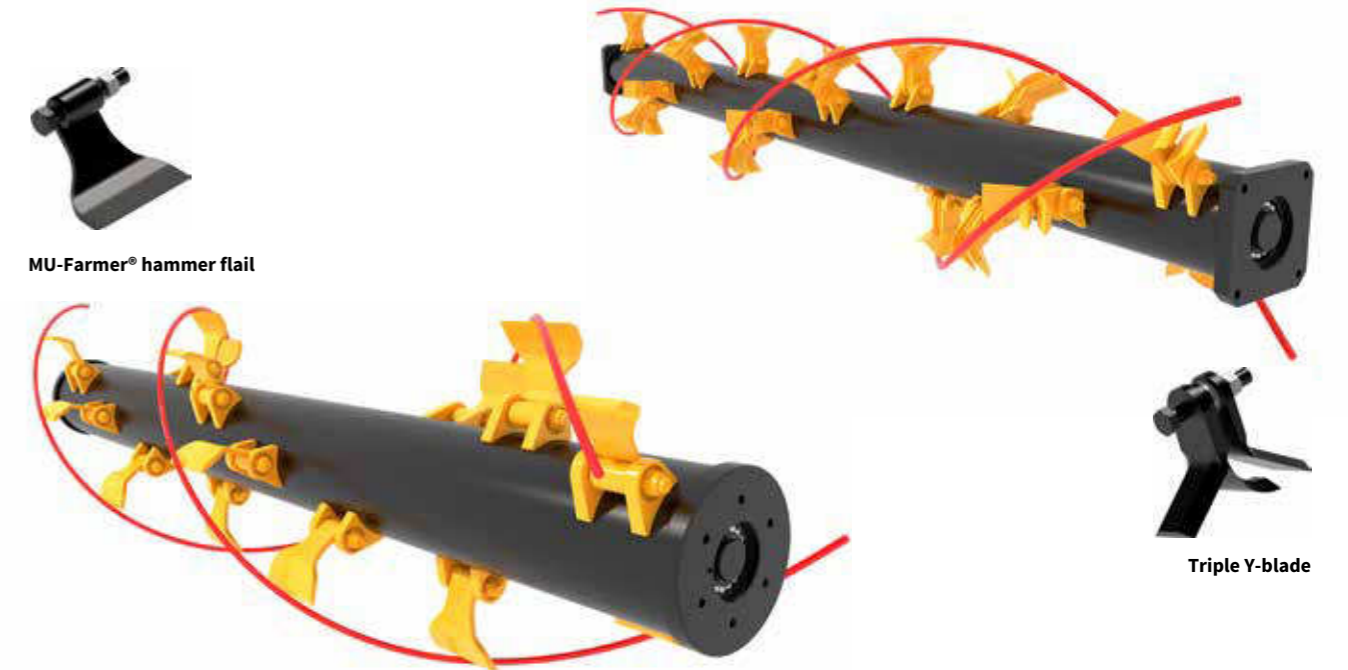
Some illustrations show optional equipment.

The right to technical revision is reserved. Illustrations may not show the latest production version.

	MU-M/S	MU-PRO Vario	MU-PRO/F Vario	MU-PRO/S Vario	MU-Farmer®-Rear	MU-Farmer®-Front	MU-Farmer 670®	MU-Farmer/S®
Rotor								
Diameter (cm)	16	20	20	20	27	27	27	27
Effective diameter (cm)	42	47	47	47	69	69	69	69
Farmer hammer flail	-	-	-	-	■	■	■	■
M-hammer flail	■	■	■	■	-	-	-	-
M-shackle flail	□	□	-	□	-	-	-	-
Triple Y-blade	□	□	-	□	-	-	-	-
Depth guidance								
support roller	■	■	■	■	-	■	-	-
Front/rear position	Adjustable	Swivelling	Swivelling	Swivelling	-	Fixed	-	-
Diameter (cm)	24	24	24	24	-	24	-	-
Support wheels	-	□	□	-	■	-	■	■
Housing								
Wear insert	□	□	■	■	■	■	■	■
Wear runners	■	■	■	■	■	■	■	■
Vario cutting bar	-	□	□	□	-	-	-	-
Short chopping bar (shark fin)	■	■	■	■	■	■	■	■
Second short chopping bar	□	□	□	□	■	■	■	■
Optional equipment								
Front shock-absorbing spring assembly	-	□	-	-	-	-	-	-
MU-SOFA® weight transfer system	-	□	-	-	-	-	-	-
Warning signs with lighting equipment	□	□	-	□	□	□	-	-
Warning signs with LED lighting equipment	-	□	-	-	-	-	■	■
Operating hours counter	□	□	□	□	□	□	□	□

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- Not available ■ Standard □ Optional



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