



AHWI MULCHERS  
WITH MECHANICAL  
DRIVE (PTO)



*Primoth*



# M450m

The M450m is a lightweight mulcher for universal use with Tractors in the power range of 60–180 hp.

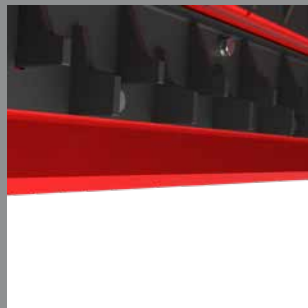
## Benefits for you

- + Extremely light weight
- + Multiple working widths
- + Sturdy structure



## Rotor blocking protection

The three-stage counter blades prevent large objects infiltrating and blocking the rotor.



## Two-stage counter blades

The two-stage counter blades reduce the power requirement and increase the shredding quality. (Optional)



## Centre of gravity

As the mulcher is arranged in an upright position, the centre of gravity is very close to the carrier vehicle



## Lateral displacement

The lateral displacement enables to move the mulcher 300 mm either side to adapt it perfectly to the job.

WORKING WIDTH IN [MM]	75 [1900]	87 [2200]	106 [2700]
Power Range HP	60-180	80-180	100-180
Total width in [mm]	87 [2200]	98 [2500]	118 [3000]
Weight lb [kg]	2866 [1300]	3219 [1460]	3395 [1540]
Tools	48x UPTs / 40 x BCS	48 x BCS	56 x BCS

\*The weight information refers to the equipment without push bar and without counter blades in the follow-up shredding flap. Changes due to technical improvements reserved.



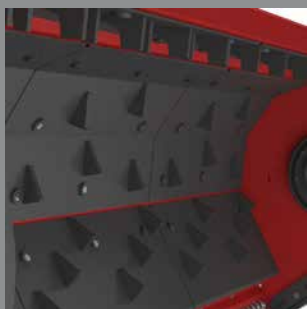


# M550m

The M550 is a mulcher for medium-heavy applications with a rotor diameter of 21.6 in (550mm). It is suitable for carrier vehicles with 100 to 250 HP and CAT III/IV.

## Benefits for you

- + Protected hydraulic lines
- + Flexibly configurable
- + Very simple to use



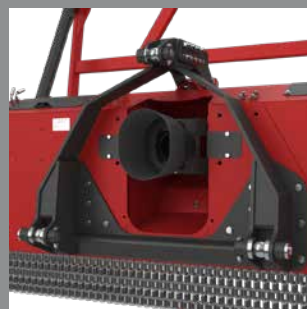
### Body lining

Highly wear-resistant steel with counter blades reduces wear and tear and shreds the material more finely.



### Two-stage counter blades

The offset blade arrangement requires less power and increases the shredding quality. (Optional)



### Flexible linkage

The adjustable upper linkage point provides a flexible response to the carrier vehicle.



### Power Belt

The spring tension of the belts reduces wear and tear and ensures optimum power transmission.

WORKING WIDTH IN [MM]	83 [2110]	95 [2410]
Power Range HP	100-250	100-250
Total width in [mm]	98 [2500]	110 [2800]
Weight lb [kg]	4520 [2050]	4850 [2200]
Tools	52 x UPTs / 56 x BCS	60 x UPTs / 64 x BCS

\*The weight information refers to the equipment without push bar and without counter blades in the follow-up shredding flap. Changes due to technical improvements reserved.



# M650 m

The M650 is a mulcher for medium-heavy applications with a rotor diameter of 25.6 in (650mm). It is suitable for carrier vehicles with 200 to 350 HP and CAT III/IV.

## Benefits for you

- + Optimal power flow
- + High performance range
- + Very easy to maintain



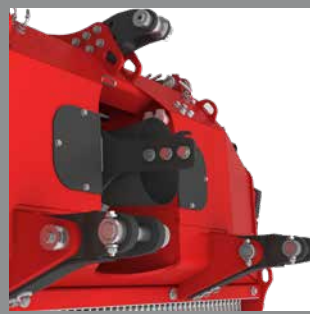
## Body lining

Highly wear-resistant steel with counter blades reduces wear and tear and shreds the material more finely.



## Two-stage counter blades

The offset of the blade arrangement requires less power and increases the shredding quality. (Optional)



## Flexible linkage

The adjustable upper linkage point provides a flexible response to the carrier vehicle.



## Power belt

The spring tension of the belts reduces wear and tear and ensures optimum power transmission.

WORKING WIDTH IN [MM]	81 [2050]	92.5 [2350]	100 [2550]
Power class in HP	200-350	200-350	200-350
Total width in [mm]	98 [2500]	110 [2800]	119 [3000]
Weight lb [kg]*	5840 [2650]	6283 [2850]	6746 [3050]
Tools	48/60 x UPTs / 60 x BCS	56/72 x UPTs / 68 x BCS	64/80 x UPTs / 76 x BCS

\*The weight information refers to the equipment without turbo coupling or push bar.  
Changes due to technical improvements reserved.



# M700



The M700 is a mulcher for heavy forestry applications with a rotor diameter of 27.5 in (700 mm). It is designed for carrier vehicles with 250 to 500 HP and CAT III/IV.

## Benefits for you

- + High stability and long service life
- + Reduced power demand
- + Individual shredding quality



## Safety in drive train

The turbo clutch balances out power peaks and protects the drive of the carrier vehicle and the mulcher.



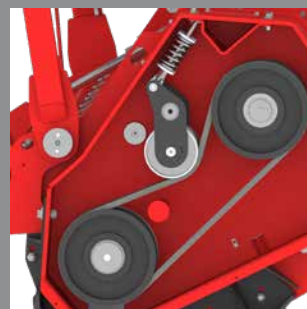
## Adjustable counter blades

The density grade of the mulch material can be adjusted using the hydraulic counter cutter rakes.



## Strong drive elements

The machine elements are generously proportioned and designed for reliability in heavy applications.



## Power belt

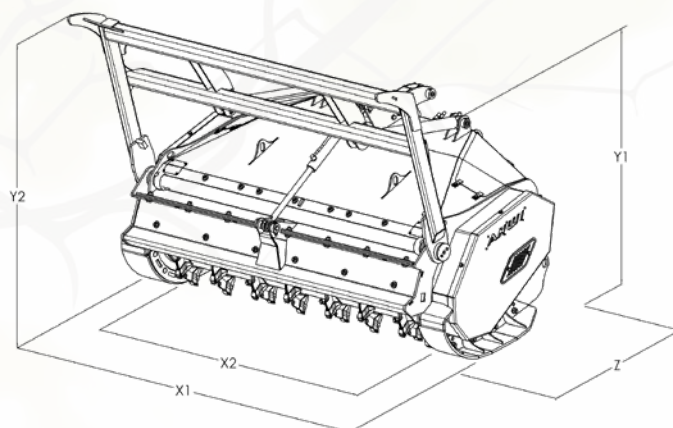
The spring tension of the belts reduces wear and tear and ensures optimum power transmission.

WORKING WIDTH IN [MM]	91 [2300]	98 [2500]
Power Class in HP	250-500	300 - 500
Total width in [mm]	110 [2800]	118 [3000]
Weight lb [kg]*	9921 [4500]	10362 [4700]
Tools	56/68 x UPT	76 x UPT / 88 x HDT

\*The weight information refers to the equipment without turbo coupling or push bar.  
Changes due to technical improvements reserved.

# TECHNICAL DATA

	Performance HP	Working width (X2) in [mm]	Total width (X1) in [mm]	High body (Y1) in [mm]	Depth (Z) in [mm]	Weight lb [kg]	Tools	Power take- off speed
<b>M450</b>	<b>60-180</b>	75 [1900]	87 [2200]	40 [1010]	27 [686]	2425 [1100]	48/40	1000
	<b>80-180</b>	87 [2200]	98 [2500]	40 [1010]	27 [686]	3219 [1460]	48	1000
	<b>100-180</b>	106 [2700]	118 [3000]	40 [1010]	27 [686]	3413 [1540]	56	1000
<b>M550</b>	<b>100-250</b>	83 [2110]	98 [2500]	47 [1203]	54 [1369]	4520 [2050]	52/56	1000
		95 [2410]	110 [2800]	47 [1203]	54 [1369]	4850 [2200]	60/64	1000
<b>M650</b>	<b>200-350</b>	81 [2050]	98 [2500]	49 [1253]	60 [1520]	5842 [2650]	48/60	1000
		93 [2350]	110 [2800]	49 [1253]	60 [1520]	6283 [2850]	56/72/68	1000
		100 [2550]	119 [3000]	49 [1253]	60 [1520]	6614 [3000]	64/80/76	1000
<b>M700</b>	<b>250-500</b>	90,5 [2300]	110 [2800]	67,5 [1720]	67,5 [1710]	8928 [4050]	48/56	1000
	<b>300-500</b>	98 [2500]	118 [3000]	67,5 [1720]	67,5 [1710]	10362 [4700]	76/88	1000



**Rotovators**



**Biomass harvesting**



**Mulching carriers**



Changes due to technical improvements reserved.



# TOOLS

Our tools are designed to prevent the build-up of mounds in the middle of the mulching strip and reduce the risk of unbalance to a minimum.

To avoid unbalancing opposite tools should always be changed at the same time. In our system the opposing counterpart of the tool to be changed is easy to identify.

Our tool systems are suitable for all ground conditions, vegetation types and densities.

Depending on their layout, tools can be rotated when worn.

## BCS FOR LOWER POWER CLASSES

- + Very high cutting performance
- + Perfect depth control
- + For jobs with slight ground contact



BCS02

BCS03

## UPTs FOR MEDIUM PERFORMANCE CLASSES

- + No need to retighten
- + Reduced power demand
- + Safe fit under extreme stress



UPTs02

UPTs04

UPTs07

## UPT FOR HIGH PERFORMANCE CLASSES

- + Reduced fuel consumption
- + Suitable for stone-breaking



UPT02.01

UPT02

UPT08.02

UPT09

UPT10

# DRIVE SHAFT CONTROL W-KINEMATICS



To extend the service life of the drive shaft for as long as possible the articulation angles of the pivot joint should be kept at the same angle as far as possible.

## IMPORTANT FACTORS

### Maneuverability

The W-Kinematics system provides far more freedom of movement for the mulcher than the conventional Z-Kinematics.

### Service life

The W-Kinematics system controls the gearbox setting and thus the articulation angle of the drive shaft with great precision, thereby considerably reducing the stress.



Sales and service in your area you can find on **[www.prinoth.com](http://www.prinoth.com)**

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