



AM

Disc mowers

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AM

High-comfort and high-efficiency
mowers

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- Side-pull mowers with huge pivoting angle
- Driveshaft powered gears for ultimate efficiency
- Massive spur gears for quiet running and longevity
- Robust and fully welded cutterbar
- Quick-fit blades for quick and easy change
(Not available in North America)
- Pivoting V-shaped steel tines for optimum conditioning





Our AM range of mowers has evolved from extensive farmer experience around the world. Proven so well, these machines are designed to perform in heavy-duty applications while being easy to use.

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EasyCut cutterbar

Your cutting edge

- Robust and fully welded cutterbar
- Long-lasting spur gears
- Wedge-shaped cutterbar without inner shoe for cleanest cuts
- Convenient and quick-change blades (Not available in North America)

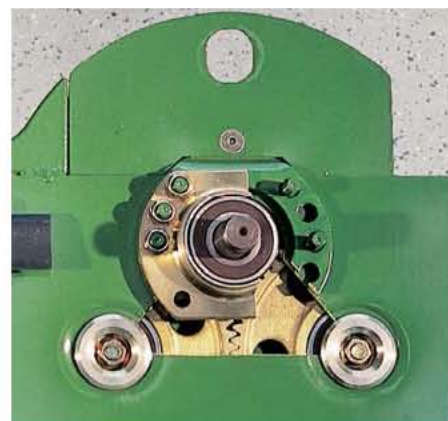
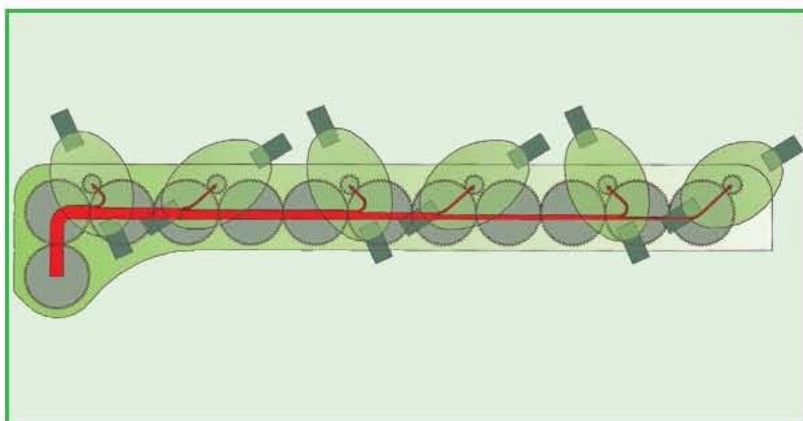
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Smooth and heavy-duty driveline:

Massive and heavy-duty spur gears with up to 59 teeth take the pto power and transfer it to the discs without losses, ensuring each disc is driven full power. Each of the auxiliary gears uses smaller spur gears to drive one disc at a time, a design that minimizes the load on each gear and results in quiet running and longevity.

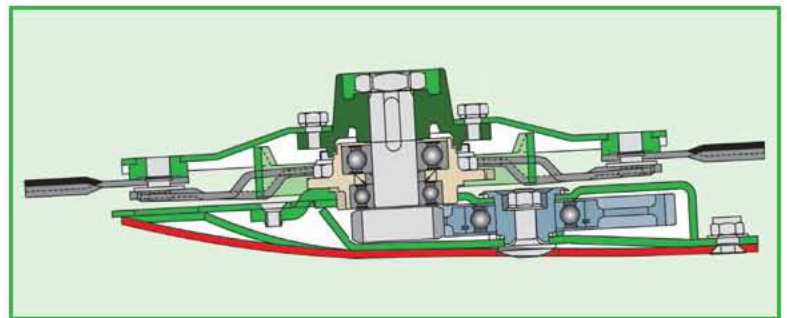
Satellite driveline:

This powerful concept uses one main gearbox and combines it with a number of auxiliary gearboxes, which mount in a forward position for optimum blade overlap and perfect cuts.



EasyCut – the ultimate cutterbar

Perfect and clean cuts are pivotal for high-quality forage. KRONE mowers deliver perfect results. These high-quality machines are strong, sturdy and absolutely dependable.



Better cuts:

The wedge-shaped and fully welded cutterbar provides perfect cuts even in the most difficult conditions. For complete peace of mind, the discs operate fully protected by the cutterbar, spinning on massive double bearings to absorb peak loads in permanent operation.



Quick-change blades:

Quick-change DS blades (DS = double safety) provide for easy and fast knife change or replacement on the site.

(Not available in North America)



Straightforward:

The spur gears that drive the discs are removed from above; the spur gears in the main gearbox are removed from the side.



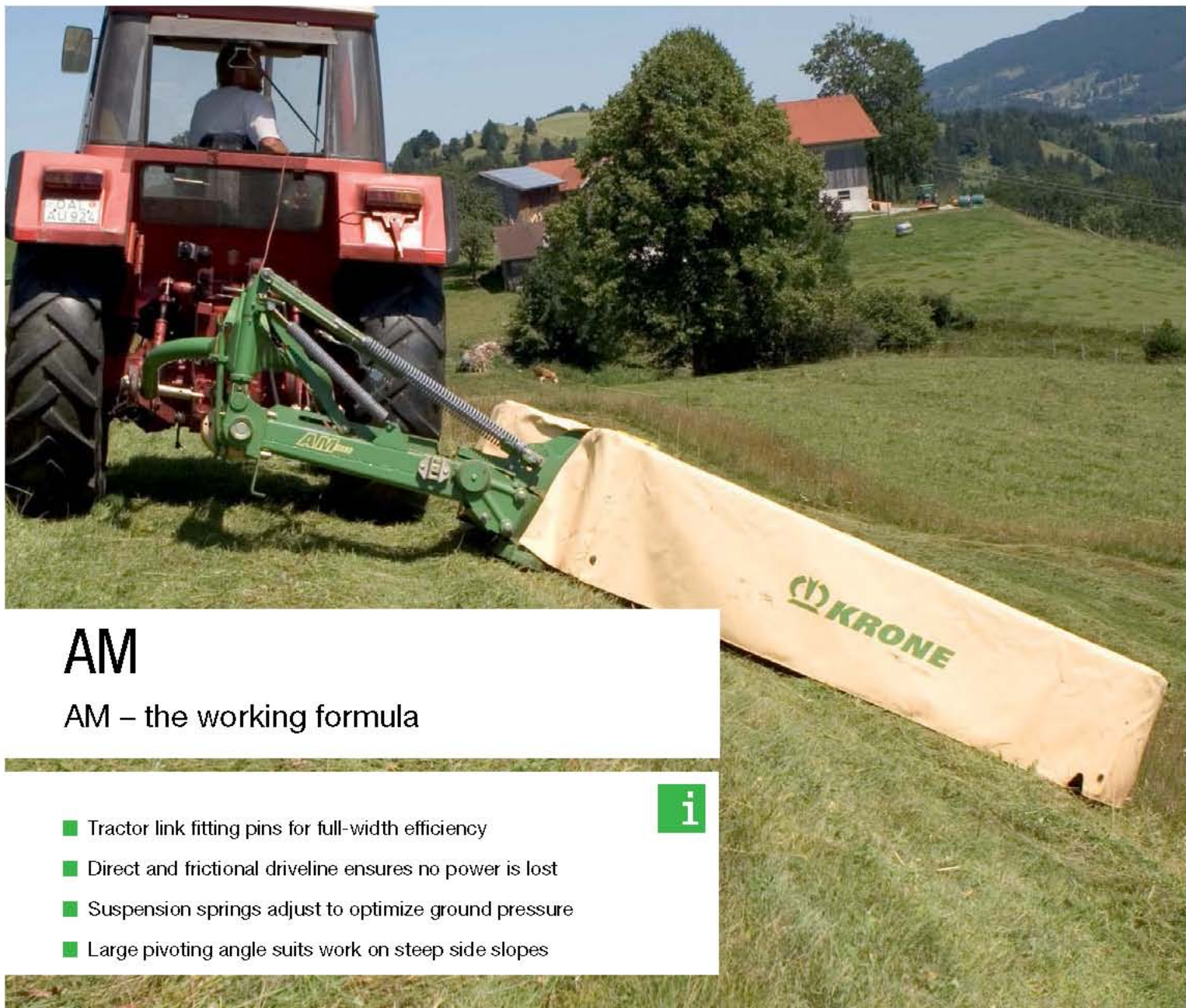
No inner shoe:

The gearbox is arranged behind the inner top hat, a layout that makes for clean cuts on the headland and in awkward plots without the mower pushing up the cut material.



Gentle on the turf:

The extremely wide skids are fabricated from hardened boron steel to minimize the ground pressure and give enhanced contour following and cutterbar protection.



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AM – the working formula

- Tractor link fitting pins for full-width efficiency
- Direct and frictional driveline ensures no power is lost
- Suspension springs adjust to optimize ground pressure
- Large pivoting angle suits work on steep side slopes



Heavy-duty stability:

The sturdy three-point headstock features a bracket to store the driveshaft after the machine is removed from the tractor.



Full work width:

The operator can refit link arm pins to sideshift the machine and ensure it is cutting at its full width behind various tractors and different wheelbases on side slopes and in combination with a front mower.



Perfect in all conditions

KRONE disc mowers evolved from a sustained cooperation among farmers, scientists and developers. The linkage system is compact, low in weight and swings the mower through a large angle up and down, providing AM excellent ground contour following and adaptation to hilly terrain.

Constant-velocity and high-power driveline:

Drive power flows through a frictional drive-line of pto shafts and gears, a system that warrants an efficient transfer of power from the tractor down to the cutterbar discs – even in difficult conditions.



Absolutely safe:

The KRONE break-back system relies on an adjustable coil spring, which responds instantly and dependably and allows the mower to swing back and up when impacting a foreign object.



Varying the ground pressure:

The coil springs adjust to optimize the ground pressure and machine adaptation to current conditions. Reducing the ground pressure reduces the machine's power input.

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Technology that delivers

- High workrates
- Low input
- Light weight
- Excellent value for money

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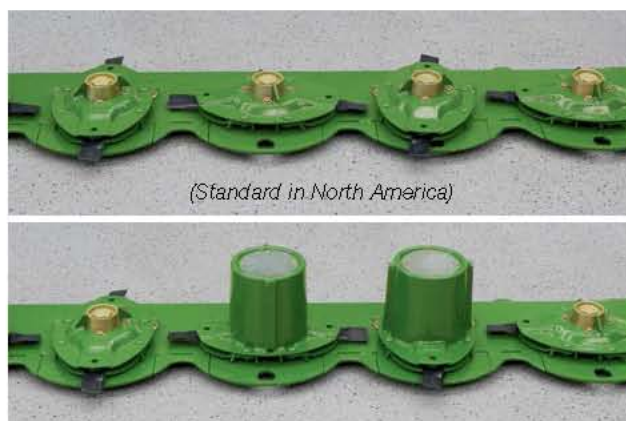
Two swaths:

The AM 323 S model features central top hats that windrow the cut material into two swaths to keep cut material clear of the tractor wheels on the next pass.



Spreading:

In order to spread the crop across the machine width, replace the central top hats on AM 323 S by discs. The discs must be spinning in pairs.



The dependable system

Peace of mind comes from using innovative and top-quality machinery that impresses by an exemplary output – machinery like the KRONE range of AM disc mowers with working widths from 2.0 to 3.2 m (6'7"-10'6"), which has proven well around the world, feature superior stability and deliver excellent results.



Linear crop flow:

All KRONE disc mowers without conditioner feature a cantilevered guard that makes for an unobstructed flow of the material through the machine, delivering uniform swaths that speak for themselves.

Operator comfort on the headland:

On the headland, the mower is raised hydraulically to enable convenient turns and avoid running on cut material. The link arms are not raised. A stop limits the lift range.



Perfect handling on the road:

Only one single-acting hydraulic coupler is required to swing our AM model with/without conditioner from its working position into the headland or transport position. In transport position, the mower is extremely compact for easy, safe and swift road transport.



The CV tine conditioner with V-shaped steel tines

Top-quality forage across the full working width

- Uniform conditioning across the full work width
- Intensive conditioning from pivoting V-shaped steel tines and an adjustable baffle plate
- Optimum conditioning from a mechanical rotor drive

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0 rpm, 600 rpm or 900 rpm:

The integral three-speed mechanical gearbox offers highest operator comfort. Setting the desired speed range is quick and easy.



AM 243 CV with pivoting conditioner:

Semi-toothed adjuster discs on either machine end swing the rotor up and to the rear.



Success delivered – V-shaped steel tines

Efficiency is one parameter in hay and forage harvesting, quality is another. The AM 243 CV model features a mechanical conditioner with V-shaped steel tines and mechanical gearbox, which provide optimum crop conditioning, fast and uniform wilting and top-quality forage.

Freely pivoting steel tines treat every single stem and achieve an outstanding quality of crop.



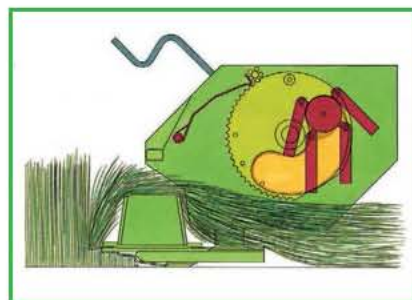
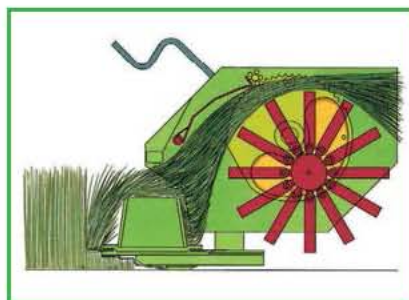
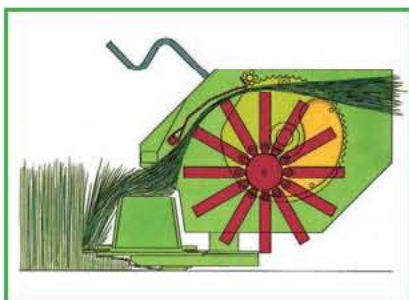
It's intensive:

Pivoting V-shaped steel tines combine with an infinitely adjustable baffle plate to provide intensive conditioning, reduce machine wear and optimize adaptation to crop conditions.



It's stepless:

This crank varies the clearance between tines and baffle plate to adjust the conditioning effect. The narrower the clearance, the more intensive the conditioning.



It's perfect:

The operator sets the clearance between rotor and cutterbar as he pivots the conditioner, adjusting the system to current yields and

degree of lignification and achieving a perfect cut and exemplary conditioning.

It's simple:

When using the machine for cutting daily rations or legumes, the operator swings the rotor conveniently to the rear and out of work to use the machine as a plain mower.

Spreading the material

Put in less – finish earlier

- Increased wilt and less exposure to weather
- Fewer passes and reduced conditioning costs
- Optimum treatment for optimum quality

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Full-width conditioning:

Specified with V-shaped steel tines, baffle plate, aluminium hood and optional deflector plates, the conditioner spans across the machine's full work width. The design provides for a consistent flow of crop and uniform spreading.

Spread as wide as possible and as narrow as necessary

Scientific research has shown that spreading has a significant effect on fermentation and quality of the forage. Accordingly, the hood not only spreads the material across a large area but also produces light and fluffy swaths, saving you at least one tedding pass in many conditions for improved forage quality, milk performance and reduced reliance on concentrates.



As you like it:

The optional deflectors with pin/hole setting system adjust to any angle. Choose between narrow swathing in wet and boggy terrain or spreading when rapid drying is the priority.



Compact on the road:

KRONE disc mowers offer easy road transport – even when equipped with conditioner. The compact design of AM 243 CV with close attachment to the rear axle and a low-weight aluminium hood ensure the machine is easy and safe in road transport.



Technical Data

AM/AM CV

		AM 203 S	AM 243 S	AM 243 CV	AM 283 S	AM 323 S
Work width	Approx. mm	2.000 (6'7")	2.400 (7'11")	2.400 (7'11")	2.800 (9'2")	3.200 (10'6")
Three-point hitch		+	+	+	+	+
No. of discs		3	4	4	5	4
No. of drums		2	2	2	2	4
CV conditioner		-	-	+	-	-
Conditioner speed		-	-	0/600/900	-	-
Weight	Approx. kg (lbs)	440 (970)	520 (1.146)	740 (1.631)	605 (1.333)	682 (1.503)
Area output	Approx. ha/h	2	2-2,5	2	2,5-3	3
Power requirement	kW/hp	27/37	30/41	44/60	40/55	50/68
PTO speed standard	rpm	540	540	540	540	540
Cat		I/II	I/II	II	I/II	I/II
Hydraulic couplers		1 sa	1 sa	1 sa	1 sa	1 sa

All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding.



Optional high-cutting skids:

These adjustable high-cutting skids offer cutting heights of up to 14 cm. High cuts are often preferred in fields of less intensive farming.



Optional swath deflectors on either side:

These deflectors are fitted to create narrower swaths. They avoid tractor wheels running on the cut material and are ideal in boggy terrain.