

The Krone logo, featuring a stylized green crown icon to the left of the word "KRONE" in a bold, green, sans-serif font.

**KRONE**

# Vendro

Rotary tedders





# Vendro

Rotary tedders

Compact V-shaped frame with three-point headstock **minimises weight shift from the front axle**

Prop stand at the rear and wide storage stand at the front provide **good stability and raise the wheels from the ground**

LED light **for maximum road safety**



Gauge wheels run close to the tines providing **exact tine control and optimum forage quality**

New KRONE **OptiTurn** tines **lift and spread the crop in an ideal way**

Mechanical or hydraulic damper struts **ensure stable rides and optimum spreads**



Stylish **light-weight plastic deck in a sloping design for effective self-cleaning**

Headland position pre-setting feature **avoids tending the same area twice for optimum wilting**



Auto-folding hoop guards maintain **maximum agility also in working position**

**Main gearbox with overrunning clutch** prevents instant rotor stopping

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# Attachment and storage

- Compact frame for close attachment to the three-point linkage
- The machine is automatically aligned in the centre when folding into transport position
- Damper struts ensure stable rides behind the tractor
- The compact design shifts less weight from the front axle and reduces lift requirement
- Special stands at front and rear for safe storage

The KRONE Vendro tedders impress by stable rides and convenient changeovers that are executed from the seat. With the rotors folded down and attachment close to the tractor, the centre of gravity is low and close to the tractor for safe road travel and space-saving storage.



## Absolutely compact

The V-shaped and compact frame brings the machine's centre of gravity very close to the tractor, significantly reducing the lift requirement so the machine can be operated by small tractors. At the same time, less weight is taken off the front axle and steering is not affected.



## Ground contouring

The headstock offers various coupling positions for the top link to implement various work heights. The top link goes in the elongated hole on those machines that have the leading gauge wheel. This type of attachment gives optimum contouring and ensures the material is picked up and spread cleanly and in a wide mat.



## Perfect guidance

The tedders have mechanical or hydraulic damper struts depending on specification. Hydraulic dampers are available for all machines as an option.

They bring the booms together – gently – as the machine is being raised out of work. Also, they absorb shockloads and vibrations and take out sway when tedding in curved lines so that every single blade of grass is picked up and tedded into perfect forage.



### Good footing

In storage position the tedder rests on two wide stands rather than on its own wheels. In this position, it is also easily attached and removed from the tractor.

### An extra prop

The prop stand at the rear counterbalances the stroke of the damper struts as the machine is removed from the tractor. The stands raise the wheels from the ground avoiding tyre damage from long periods of storage.





## New details in a modern styling

The Vendro tedder stands out for its new styling which reflects of its modern and innovative technical design that features a number of novelties and refinements down to the smallest detail, offering maximum operator comfort and leading to excellent-quality forage.



### Stylish deck

The sloping deck in the middle of the frame won't collect any debris or dirt. Its modern styling combines with a new colour scheme. The hoop guarding that surrounds the frame

and the rotors is held in place by sturdy brackets. Perfectly formed, the hoops offer easy access, safe operation and maximum longevity.



### Fold-away agility

The fold-away hoops make sure the tedder is an agile machine despite being so compact, allowing it to make the tightest turns along field borders and on headlands.





# The KRONE OctoLink clutches

- KRONE OctoLink finger clutch – eight fingers make frictional connections
- The driveline to the rotors is never cut
- No risk of driveline damage due to operator error
- Maintenance-free driveline minimises service and maintenance and maximises lifetime

All Vendro tedders benefit from the tried-and-tested KRONE OctoLink finger clutches. The rugged units require no lubrication at all. This is the kind of dependable and low-maintenance machine you have always wanted.



### Eight grippy fingers

Each rotor is driven by a well-proven finger clutch which consists of eight fingers that make a frictional and reliable connection inside the driveline. No matter which angle, the power flow to the next rotor is never cut off. The extremely robust finger clutches are absolutely lubrication-free, freeing you from time-consuming servicing and making you more productive.



### Very flexible

The eight-finger clutches make Vendro an enormous agile machine. They allow the outboard rotors to fold 180° towards the middle without any risk of damaging the driveline. Thanks to this enormous flexibility you can store the machine in tight space and travel at a reduced transport height.





# The gearboxes

- Standard overrunning clutch in the main gearbox maximises safety when turning off the machine
- **Rotor gearboxes**
  - Maintenance-free and liquid-grease lubricated
  - Long service life thanks to permanent lubrication and the cantilevered design
- Reduction gearbox produces small tight swaths for faster wilting

The KRONE rotary tedders are designed to deliver perfect functionality. Key elements in this context are the main gearbox with a standard overrunning clutch and the maintenance-free and permanently lubricated rotor gearboxes.



### Standard-fit overrunning clutch

All tedders have a main gearbox with overrunning clutch as a standard feature which allows the rotors to phase out instead of stopping instantly when the pto is switched off, eliminating any risk of damage due to overrunning components.



### Low-maintenance and long-lasting

The rotor gearboxes are mounted under the robust frame where they are safe from exposure to the strains of work and operation. Sealed and filled with semi-fluid grease, the boxes are maintenance-free and extremely durable.

### The reduction gearboxes

It is possible to operate the rotors at lower speeds to produce narrow tight swaths. This is implemented by optional ad-on gearboxes that are particularly beneficial in haymaking. In configuration two rotors form a pair each of which groups the material into one narrow swath that absorbs less moisture during the night and is spread again on the following day. This technique reduces the risk of variations in crop wilt in the same field.





# The **KRONE OptiTurn rotors**

- The rotor wheels run extremely close to the rotor providing optimum contouring
- Curved 3D tines lift and spread the crop perfectly
- Rotors overlap for clean and uniform spreads
- Optimum spreads for uniform wilting and highest-quality forage

The KRONE OptiTurn rotor design make real big-time. The special design sees the rotors overlap generously so the KRONE OptiTurn tines can lift the crop cleanly and spread it uniformly at an optimum width for fast wilts and optimum animal feed. This technology boosts your productivity not only in the field but also in the milking parlour.



#### **Wheels running in close vicinity of the tines**

Clad with big flotation tyres, the rotor wheels run as closely as possible to the tines for optimum contouring, avoiding unnecessary contamination for high-quality forage.



#### **Uniform spreads**

For consistent spreads in any type of condition, the tine arms of two adjacent rotors overlap generously. A consistent mat of crop speeds up the process of wilting, allowing you to produce high-quality forage in narrow harvest windows.



#### **Bolted tine carriers**

The robust plates that hold the tine arms are bolted to the rotor and secured by an extra plate under the tine arms – a heavy-duty design that also deals with high-volume crops.



### **KRONE OptiTurn tines**

An optimum quality of work is delivered by the new 3D tines. The curved shafts lift and throw the material with greater ease which is the first step in making clean and high-quality forage.

### **Variable settings**

The tines are attached to the tine arms with an eccentric plate. This allows you to alter the tine angle to one of three positions. The proper angle is important for good results in varying crop conditions and field contours.



### **Unequal tine length for perfect work**

The two shafts in one pair of tines are unequal in length so their tips are always in parallel as they hover above the ground, lifting the material cleanly and without contamination. This so-called combing effect mixes the various layers of the mat for uniform and consistent wilts.



# Tyre options on the rotor wheels

- Big flotation tyres for gentle treading and sustained sward protection
- Optimum rotor control for perfect ground hugging and clean forage
- Stable rides behind the tractor also in curved passes
- Anti-wrap guards protect the wheels in long-haulmed crops

Proper tyres are important in forage harvesting.

Therefore the KRONE tedders run on oversize flotation tyres that provide accurate control to the rotor, keeping the crop clean and protecting the sward by minimising the ground pressure.



## Hovering over the ground

The rotor wheels run on big flotation tyres that give consistent control to the rotors and avoid contamination of the valuable forage.

They also ensure the machine tracks reliably behind the tractor also in curved lines, leaving not a single blade of grass behind.

## Anti-wrap guards

Anti-wrap guards come as standard on the KRONE rotary tedders, preventing long-haulmed crops from wrapping around the wheels and legs and eliminating unnecessary hold-ups to free them from the grass. These anti-wrap guards can be complemented by extra plates for extra efficacy.





# Adjusting the angle of throw

- Altering the angle of throw alters the intensity of conditioning
- A steep angle controls tedding, a shallow angle controls turning
- Easy adjustment to 13°-19° angles without tools

Tedding or turning? Vendro allows you to change from tedding to turning or vice versa at the spur of the moment. Simply change the spreading angle and the crop is conditioned at the required intensity.



## Four setting options

All tedders have this pin-and-hole system as a standard feature which allows you to alter the spreading angle within a range of 13° to 19°. The spring-loaded pin adjusts the angle quickly and easily in four steps. No tools required, no pins need cottering.

## Shallow and steep spreading angles

The angle of spread controls the intensity of conditioning. A steep angle results in intensive tedding and a shallow angle in gentle turning. This way you are able to operate the machine to your specific needs.





# The border spreading facility

- Standard border spreading control avoids losses along boundaries
- Manual control is standard specification on Vendro 470 to 790
- Convenient hydraulic control from the cab is standard specification on Vendro 820 to 1120 and an option on Vendro 470 to 790 models

We would be saving wrong if we wouldn't make border spreading control a standard feature on the Vendro tedders. The system spreads the material towards the middle of the machine when tedding along field boundaries. You either set the mode from a straightforward manual control on the machine or hydraulically from the convenience of the cab.



## Tedding away from the border

All Vendro rotary tedders have border spreading control that throws the material away from the border and into the field so no crop is lost. All the running wheels are connected to each other via the border spreading control linkage, ensuring stable casting for uphill work and uniform spreads on steep slopes.



## Manual border spreading control

The border spreading facility on the Vendro 470 to 790 models is operated on this cable from the cab.



## Hydraulic border spreading control

The border spreading facility on the Vendro 820 to 1120 models is operated hydraulically from the cab. A standard feature on these models, it is also available as an option on the smaller machines. The gauge wheels are controlled steplessly by a central hydraulic ram on the border spreading mechanism.





# Mowers and rotary tedders – which working widths go together?

Mowers (2.00 m to 6.20 m)

You get optimum results when one swath is agitated by two rotors and when the tractor is not running on the swaths.

No. of rotors		4		6			8		10		
No. or arms/rotor		6	7	5	6	7	5	6	5	6	
Model			Vendro 470	Vendro 560	Vendro 620	Vendro 680	Vendro 790	Vendro 820	Vendro 900	Vendro 1020	Vendro 1120
Work width in m											
<b>Mowers</b>											
ActiveMow R 200	2.0										
ActiveMow R 240	2.4										
ActiveMow R 280 EasyCut F 280 M EasyCut F 280 EasyCut 28 CV EasyCut R 280 EasyCut R 280 CV EasyCut R 280 CR EasyCut 2800 CRi EasyCut 2801 CV	2.8										
ActiveMow R 320 EasyCut F 320 M EasyCut F 320 EasyCut F 320 CV EasyCut F 320 CR EasyCut R 320 CV EasyCut R 320 CR EasyCut TS 320 EasyCut TS 320 CV EasyCut TS 320 CR EasyCut TC 320 CV EasyCut TC 320 CR EasyCut 3200 EasyCut 3201 CV EasyCut 3200 CRi EasyCut 3210 CV EasyCut 3210 CRi	3.2										





No. of rotors	4		6			8		10		
No. or arms/rotor	6	7	5	6	7	5	6	5	6	
Model	Vendro 470	Vendro 560	Vendro 620	Vendro 680	Vendro 790	Vendro 820	Vendro 900	Vendro 1020	Vendro 1120	
Work width in m										
Mowers										
EasyCut F 360 M EasyCut F 360 CV EasyCut F 360 CR EasyCut TS 360 CV EasyCut TS 360 CR	3.6									
EasyCut R 360	3.6									
EasyCut R 400	4.0									
EasyCut F 400 CV	4.0									
EasyCut 6210 CV	6.2									



# Mowers and rotary tedders – which working widths go together?

Mower combinations (5.00 m to 10.10 m)

No. of rotors		4		6			8		10	
No. or arms/rotor		6	7	5	6	7	5	6	5	6
Model		Vendro 470	Vendro 560	Vendro 620	Vendro 680	Vendro 790	Vendro 820	Vendro 900	Vendro 1020	Vendro 1120
Width in m										
Front/rear mower combinations										
2.8 / 2.8	5.0									
2.8 / 3.2	5.6									
3.2 / 3.2	6.0									
3.2 / 3.6	6.5									
3.6 / 3.6	7.0									



No. of rotors		4		6			8		10	
No. or arms/rotor		6	7	5	6	7	5	6	5	6
Model		Vendro 470	Vendro 560	Vendro 620	Vendro 680	Vendro 790	Vendro 820	Vendro 900	Vendro 1020	Vendro 1120
Width in m										
Triple mower combinations										
EasyCut B 750 2.8/2.8/2.8	7.5									
EasyCut B 870 EasyCut B 870 CV EasyCut B 890 3.2 / 3.2 / 3.2	8.7									
EasyCut B 950 Collect EasyCut B 970 EasyCut B 1000 CV 3.6 / 3.2 / 3.6	9.6									
EasyCut B 970 EasyCut B 1000 EasyCut B 1000 CV 3.6 / 3.6 / 3.6	10.1									



# KRONE rotary tedders







# Vendro 470 · 560 · 620 · 680 · 790

Rotary tedders with 4 or 6 rotors

- Wide range of 4.70 m to 7.90 m work widths to choose from
- Mechanical dampers enhance ride comfort and road safety
- Standard mechanical border spreading feature for loss-free tedding along boundaries
- Headland position pre-setting feature is an option for all models
- Optional front-running gauge wheel for perfect ground contouring in heavy going

Looking for a tedder that offers uncompromised tackle for grassland and pastureland and yet treats your crop gently and makes it wilt fast? Then these machines are for you. Even the smaller machines with four or six rotors are high performers both in hay and heavy crops.



### Small or big rotors

The models in this range differ in rotor size and number of tine arms, giving you the perfect choice to buy the outfit that's best for you, your business and your crops.



### Exact ground contouring

You can opt for an extra gauge wheel that runs ahead of the line of rotors, optimising their ground hugging ability in uneven terrain, avoiding contamination and boosting the quality of the forage.



### **Mechanical dampers**

Mechanical dampers cut out sway as the three-point mounted tedder tracks behind the tractor on steep slopes and in curves. They also align the machine at centre and stabilise it in transport position. Mechanical struts are standard specification, hydraulic units are an option.



# Vendro 820 · 900 · 1020 · 1120

Rotary tedders with 8 or 10 rotors

- Wide range of 8.20 m to 11.20 m working widths to suit your needs
- Standard hydraulic border spreading control
- Standard headland position pre-setting feature on the 10-rotor models
- Big flotation tyres increase ride comfort and reduce compaction
- Hydraulic damper struts ensure excellent tracking and road travel without jolting

The 8- and 10-rotor machines offer many ground-friendly features that turn your crop into high-quality forage whilst minimising losses. All major functions are controlled hydraulically for high operator comfort.



### The border spreading facility

All 8- to 10-rotor machines have hydraulic border spreading control that is conveniently operated from the cab. The system brings the machine at an angle relative to the border so all material is kept in the field.



### Hydraulic damping

The hydraulic dampers maintain a stable transport position and ensure quiet running behind the tractor. They also improve tracking in the field for uniform conditioning and optimum spreads.





### Convenient headland turns

You can conveniently preset the height to which you want to raise the machine on the headland so the outer rotors have the necessary ground clearance to avoid tedding the same area twice. This is a standard feature on Vendro 1020 and 1120 and an option on all other models.



### Ground contouring

The KRONE rotors are designed to run very close to the tines. In combination with the hinged frame sections and the double beam this translates into perfect ground hugging, minimum losses and cleanest forage.



## Technical data

### Three-point linkage rotary tedders

		Vendro 470	Vendro 560	Vendro 620
Working width	approx. m	4.70	5.60	6.20
Area output	approx. ha/h	4.60	5.60	6.20
Transport width	m	2.75	2.99	2.75
Storage height	m	2.45	2.88	3.22
Storage length	m	2.17	2.48	2.18
Tractor power	min. kW/hp	25/34	37/50	37/50
Weight	Approx. kg (lbs)	750	785	925
No. of rotors		4	4	6
No. of tine arms per rotor		6	7	5
Rotor diameter	m	1.50	1.82	1.37
Tyres on the rotors		16x6.50-8 –	16x6.50-8 –	16x6.50-8 –
Three-point attachment and tracking system		yes	yes	yes
Border spreading control	Standard Option	Mechanical Hydraulic	Mechanical Hydraulic	Mechanical Hydraulic
Headland position	Standard Option	x	x	x
Hydraulic damper braces	Option Standard	Option	Option	Option
Attachment category		Cat. II	Cat. II	Cat. II
Hydraulic couplers		1 sa	1 sa	1 sa
Spreading angle control		13° - 19°	13° - 19°	13° - 19°

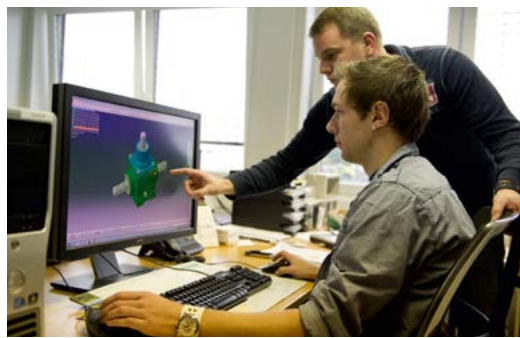
All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding. All product specifications are subject to change.



Vendro 680	Vendro 790	Vendro 820	Vendro 900	Vendro 1020	Vendro 1120
6.80	7.90	8.20	9.00	10.20	11.20
6.70	7.90	8.20	9.00	10.20	11.20
2.90	2.90	2.90	2.90	2.90	2.99
3.47	3.35	3.20	3.46	3.45	3.75
2.32	2.38	3.2	2.36	2.38	2.53
44/60	48/65	48/65	55/75	60/80	66/90
950	1115	1240	1340	1560	1650
6	6	8	8	10	10
6	7	5	6	5	6
1.50	1.70	1.37	1.50	1.37	1.50
16x6.50-8 –	16x6.50-8 –	16x6.50-8 –	16x6.50-8 16x9.50-8 (middle)	16x6.50-8 16x9.50-8 (middle)	16x6.50-8 16x9.50-8 (middle)
yes	yes	yes	yes	yes	yes
Mechanical Hydraulic	Mechanical Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
x	x	x	x	x	x
Option	Option	Option	Standard	Standard	Standard
Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II
1 sa	1 sa	2 da	2 da	2 da / 1 sa	2 da / 1 sa
13° - 19°	13° - 19°	13° - 19°	13° - 19°	13° - 19°	13° - 19°

# Maschinenfabrik Bernard KRONE

Perfect in every detail



Innovative, proficient and close to our customers – these are the keywords that mark the philosophy of our family-owned company. As a forage specialist, KRONE manufactures disc mowers, tedders, rakes, forage wagons and silage trailers, round and square balers as well as the high-capacity and self-propelled BiG M mower conditioners and our BiG X forage harvesters. Quality made in Spelle – since 1906.

Your KRONE dealer



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