

# The full product range

THE SPECIALIST FOR FORAGE PRODUCTION







## More than 200 models. KRONE - the full-liner in forage harvesting

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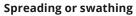


#### **DuoGrip suspension**

Each side mower on BiG M 450 suspends in one ball joint in its centre of gravity. The side pulling forces are absorbed by two parallel arms. The design results in a large pivot range for consistently clean cuts especially in sloping fields and along ditches and verges.



Ground pressure and cutting height on all units are conveniently controlled from the cab. Operators can program two cutting heights and ground pressures to the system and select the setting from the joystick.



When the swathing hoods are open, the material flows over the turning augers and is spread across the full width for quick drying. When both swathing hoods are closed, the augers feed the material directly to the swath that was formed by the front mower.











## BiG M

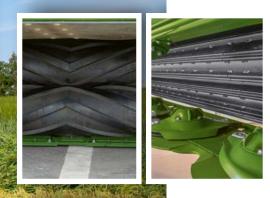
- Powerful 6-cylinder engine from Liebherr with 12-litre displacement and 449hp output
- Large 9.90 m work width for maximum productivity
- **DuoGrip** uniform ground pressure and clean cuts
- Hydraulic pressure and cutting height control on all mowers
- KRONE GPS Guidance reduces the demand on the operator
- Choice of conditioners steel tines (CV) or rubber/steel rollers (CR) for intensive conditioning at full work width
- Augers in the swathing decks feed the material flexibly to the side(s) and without risk of contamination
- Suspended SilentSpace cab with perfect 360° panoramic view
- Bounce-free ride thanks to wheel motors and hydro-pneumatic axle suspension





#### Conditioner rotor with V-tines

The V-type steel tines feed the crop past an adjustable baffle plate which rubs the wax layer off the plants.



#### Conditioner rollers from steel or rubber

The chevron profiled rubber rollers (left photo) give intensive and loss-free conditioning to high-yielding leafy crops. The extremely robust steel rollers (right photo) feature a special M profile for intensive conditioning in heavy going.



#### The cockpit

The optional Activo Premium is a ventilated and heated seat from where all controls are in easy reach. The large 8-inch X-Touch terminal (10-inch option) records all major machine data and displays them on the high-definition colour screen. A reverse drive camera with display screen is an option for perfect overview of all elements.

Watch our video and find more



































# The Highland range

Close attachment to the tractor and a low centre of gravity





It is the low centre of gravity and the close attachment to the tractor that make the Highland mowers excellent performers on the slope. Integrated in the headstock, the hydraulic sideshift feature on the front mower counteracts tractor drift.



#### Hardware to depend on

The tried-and-tested EasyCut cutterbar groups the material in a narrow swath for the tractor to straddle it. The SmartCut cutterbar produces an accurate and uniform cut which is the basis for successful cuts later in the season. The standard SafeCut disc protection system protects the mower from damage when it hits a rock or a foreign body and makes for a straightforward repair.

Watch our video and find more EasyCut F Highland



Watch our video and find more Vendro Highland



Watch our video and find more Swadro Highland











- EasyCut F 280 Highland and F 320 Highland. These compact and light-weight front mowers feature hydraulic sideshift for optimum cuts also on steep slopes.
- Vendro 420 Highland, 620 Highland and 820 **Highland.** These light-pulling rotary tedders feature the new KRONE OptiTurn rotors and mechanical border spreading control for efficient tedding and clean forage in steep terrain.
- Swadro S 350 Highland and S 380 Highland. These rotary rakes have new headstocks that are especially designed for compact tractors. Their Lift tines are kinked in two different positions raking the material into tidy and boxy swaths also in extremely steep terrain.

#### Stability on slopes

The optional hydraulic border spreading control on Vendro Highland is also very useful for tedding uphill. The hydraulic damper struts ensure quiet running and a stable ride behind the tractor without slope drift.

#### The ideal design

KRONE OptiTurn rotors ensure loss-free tedding by tines lifting the material without poking into the ground and spreading it across the full tine width for uniform and fast wilting.





#### Nimble and agile in any terrain

The new and compact headstock on the Swadro Highland rakes features a close attachment point to the tractor, providing maximum stability for safe work on steep slopes.



The steep DuraMax cam track controls the tine arms and tines - which are kinked in two different positions - for swift and precise work and clean and boxy swaths.





















## **ActiveMow**

Disc mowers



#### No inner shoe

The cutterbar is powered via a right-angle gearbox, which is arranged immediately behind the inner top hat The orbits of the blades overlap perfectly for stripeless cuts.



#### Changing blades in an instant

Quick-change blades are a must for many farmers and contractors, because this way they can replace blades quickly and easily on the site.



#### SafeCut

Each disc on the mower has its own individual impact protection. When the blade hits an obstacle, the roll pin breaks. As a result, the disc automatically threads up on the drive shaft, preventing the disc fouls with the neighbouring disc.



- The satellite drives
  have massive spur gears for quiet running
  and superior efficiency
- Quick-change blades allow operators to swap blades conveniently and in the field.
- SmartCut: Stripeless cuts from optimum blade overlaps
- SafeCut: Individually protected discs for maximum reliability





#### Controlling the ground pressure

Depending on the model, you optimize the ground pressure and the cut by adjusting one, two or all three springs without tools.



#### Top performance on slopes

Offering a large up/down travel range, the ActiveMow disc mowers are perfect for work on slopes and in undulating and rough terrain.





























# **EasyCut F**

Front mowers



#### **Pushed front mower designs**

The compact EasyCut F mowers have the push-type headstock and offer a particularly good overview of the machine. These machines impress by a low dead weight and cleanest cuts. They are coupled to the tractor linkage. An A-frame is not necessary.



#### Adjustable ground pressure

The ground pressure on these pushtype machines is conveniently adjusted on coil springs. After all, an optimum ground pressure is fundamental for consistent cuts and high work rates. A telescoping top link will enhance the machine's contouring ability.



#### The M models

Their extremely compact design and low weight make our M models the machines of choice to cut sloping land. The new EasyCut F 320 M and F 360 M have standard push-type headstocks which are also available in pull-type design.



#### **Pushed or pulled**

The EasyCut F 320/360 front mowers have push-type headstocks but are also available with pull-type headstocks as an option. This pull-type version allows the mower to break back and up when impacting a foreign object. The feature does not affect the cutting height.

Watch our video and find more







- Front mounted mowers with 2.71 m to 4.04 m working widths
- Featuring **SafeCut** for individual disc protection
- SmartCut for stripeless cuts from optimum cutting disc overlaps
- PUSH-type or PULL-type **headstock**
- The fully **welded cutterbar** is robust, sealed and permanently lubricated
- Mowers with or without conditioners
- Available with powered swath drums or as compact M models
- EasyCut F 400 CV Fold: The first front mower with foldable cutterbar



#### The foldable cutterbar

The KRONE EasyCut F 400 CV Fold is the first front mower on the market that features a foldable cutterbar. The folding feature is implemented by a hydraulic slewing gearbox which ensures the driveline is not cut and the transport width is less than 3.00 m.



#### **Optimum conditioning**

The EasyCut F 320/360 CV/CR mowers are available with a roller conditioner (polyurethane rollers or M-Rolls) or with a steel tine conditioner. No matter which conditioner you choose, you are opting in for uniform and faster wilts without losses.





(Y) KRONE



















# **EasyCut R**

Rear mowers



#### **Optimum balance**

The special KRONE DuoGrip suspension system suspends the mower in its centre of gravity and provides lateral guidance at the same time. Maintaining a consistent ground pressure across the full working width, the design leads to cleanest cuts on the one hand and light pulling and optimum lateral control on the other.



#### Easy to adjust

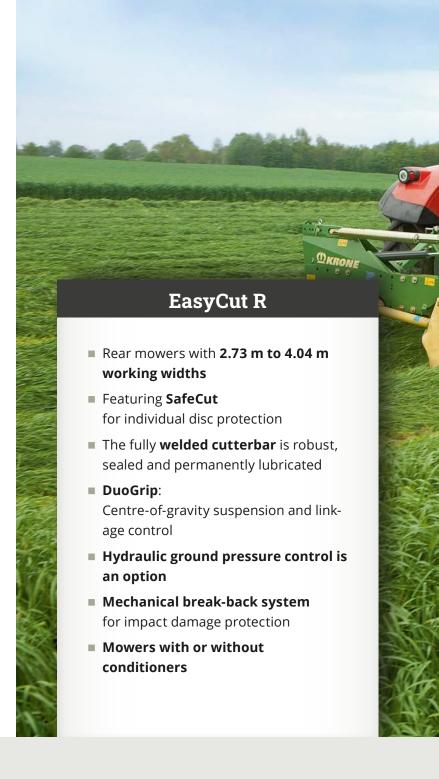
The springs can be adjusted hydraulically as an option for quick and on-the-move adjustment of the ground pressure. The spring tension is released from the seat before the machine is removed from the tractor.





#### Perfect conditioning

Conditioners speed up the wilting process and reduce wilting times. KRONE offers three types of conditioners – the V-type steel tines (CV), the profiled polyurethane rollers or the M-Rolls (CR).









#### **Great accessibility**

The front curtain folds up to give easy access to the discs for cleaning and convenient blade replacement - a design that offers superb accessibility to the cutterbar.



#### Large suspension travel

Z-shaped arms enable large vertical travel (29° up, 20° down) - ideal for mowing banks and verges.

Watch our video and find more







#### **Fully protected**

The break-back system protects the cutterbar on impact with an obstacle. When the system trips, the mower swings up to 1.20 m to the rear and up to 40 cm upwards and returns automatically into working position when the obstacle has been passed.



#### Minimum space

Stands are available as an option to store the machine either in work or transport position saving space in the shed.





















#### Variable ground pressure

Adjustable coil springs provide quick and optimum adaptation to all conditions. The system stands out for its large choice of setting options and convenient handling.

#### The slewing gearbox

The special slewing gearbox gives the machine the agility to make tight headland turns. The drive power flows down drive shafts and gearboxes.

#### Spreading effectively at full width

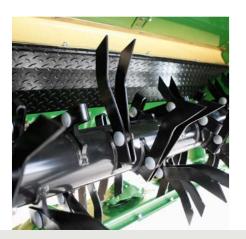
The V-tines are made from hardened steel and mount at a steep angle, treating the material at the full working width. The tines pivot to the rear when hitting a foreign object whereas their restricted forward angle increases the pivot pin's lifetime.

#### **Gentle conditioning**

The full-width CR rollers ensure a uniform conditioning effect across the entire work width Thanks to adjustment of roller clearance and pressure, the system easily adjusts to the current crop yield and variety.











## **EasyCut TS/TC**

- Side- or mid-mounted drawbar
- Robust and fully **welded cutterbar** with massive and permanently lubricated sprockets
- SmartCut: Stripeless cuts from extra wide blade overlappings
- SafeCut: Individually protected discs
- Quick-change blades are standard specification
- DuoGrip: The centre-of-gravity suspension system with dual grip control
- Tine conditioner or roller conditioner for fast and uniform wilts
- Merger belt for variable swaths









The trailed EasyCut disc mower with side-mounted drawbar and swivel gearbox gives you the flexibility of mowing round and round without lifting the machine out of work, without reversing and without ever stopping. The short drawbar makes for a compact combination that gives excellent rides and caster.

#### Mid-mounted drawbar

Side-mounted drawbar

The EasyCut TC models cut to the right or left of the tractor. Simply swing the drawbar to the other side as you do the headland turn and match up with the previous pass The tractor is not running in standing crop so that clean and loss-free cuts are guaranteed. This way you always use the machine to potential and, in combination with a front-mounted mower, at full work width. In sloping fields, it allows the tractor to work across the slope.

#### Variable placement

Trailed disc mowers with a merger belt can swath the grass into an existing swath, forming a double swath that suits the full pick-up capacity of the following harvester. But you can also raise the belt and spread the material as usual. The machine can also combine with a front mower.

> Watch our video and find more

























# **EasyCut B**

Mower combinations

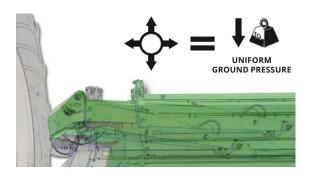
## **EasyCut B**

- EasyCut B 950 Collect with crop merging augers
- EasyCut B 870 and B 1000 without conditioners have adjustable arms for optimum overlaps
- CombiFloat for EasyCut B 1000 CV/CR: hydro-pneumatic suspension from the tractor
- Choice of conditioner models:
   CV steel conditioners or CR roller conditioners (M-Rolls or polyurethane roller)
- User-friendly pre-select terminals or optional CCI terminals with premium comfort



#### Nothing is left uncut

The arms on the EasyCut B 1000 side mowers telescope for optimum overlap with the front mower at all times for a perfect cut.



#### CombiFloat - the intelligent solution

The EasyCut B 1000 CV/CR stands out for its huge 10.10 m work width, the powerful CV/CR conditioner and above all the automatic Combi Float ground pressure control. This system ensures the ground pressure is maintained consistently and protects the sward.



#### **Crop merging augers**

The EasyCut 950 Collect has two strong cross augers that feed massive streams of material dependably to the middle, merging it into a uniform swath.

Watch our video and find more

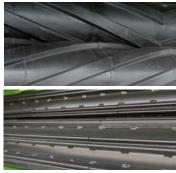












#### **Optional conditioners**

EC B 870 and B 1000 are available with optional tine conditioners (CV) or roller conditioners (CR), allowing users to customize the machine to specific needs.





#### Easy use

EasyCut B 1000 CV/CR (Collect) can be operated from various operator terminals with or without an extra joystick. The CCI 1200 colour touch screen offers a clear interface and is easy to use. The pre-select control box is the entry-level and functional choice for mower conditioner combinations.



















# Vendro

Rotary tedders

## Vendro

- Compact rotary tedders for threepoint linkage attachment and work widths from 4.70 m to 11.20 m
- New KRONE OptiTurn tines lift and spread the crop in an ideal way
- Gauge wheels run close to the tines providing exact tine control and optimum forage quality
- Maintenance-free, liquid-grease lubricated **gearbox**
- **KRONE OctoLink finger clutches** maintain a frictional connection in any position for a constant power flow
- Damper struts ensure stable rides and optimum spreads
- Front and rear stands for a stable and cantilevered storage position



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

**KRONE OptiTurn 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.

An optimum quality of work is delivered by the new 3D tines. Kinked in two places, these lift the material more easily and spread it more uniformly as the first step in making clean and high-quality forage. For consistent spreads in any type of condition, the tine arms of adjacent rotors overlap generously.



#### Perfect guidance

The tedders have mechanical or hydraulic damper struts depending on specification. They bring the booms together as the machine is being raised out of work. Also, they absorb shockloads and vibrations and take out sway when tedding in curved lines



Watch our video

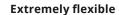












Featuring the tried-and-tested eight-finger clutches, Vendro is an enormously flexible machine. They allow the outboard rotors to fold 180° towards the middle without any risk of damaging the driveline. Thanks to this enormous flexibility you can store the machine in tight space and travel at a reduced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

#### **Good footing**

In storage position, the tedder is not parked on its mid-mounted wheels; instead it is supported by two stands at the front and one at the rear. In this position, it is also easily attached and removed from the tractor.





## KW/KWT

Rotary tedders



#### OctoLink finger clutches

The maintenance-free and eight-finger OctoLink clutches transmit the full power in any position. Count on it.



The two 9.5 mm tines differ in length and as such give a special 'combing effect' which leads to cleanest and fine forage. Five coils on each steel spring tine provide flexibility and strength. Special stops on the ends of the tube-section tine arms ensure no tines are lost.

#### Heavy-duty and maintenance-free

The liquid grease gearboxes are bolted underneath the frame. Not forming part of the structure, the gearboxes add stability to the frame.

Watch our video and find more







- **Wide range** of three-point mounted and trailed models
- Maintenance-free, liquid-grease lubricated gearbox
- Massive box-section booms
- Maintenance-free drivelines
   thanks to strong and frictional OctoLink eight-finger clutches
- Robust and hard-wearing Super C double tines of different lengths for clean and uncontaminated feeds
- Central border spreading control is standard specification
- The angle of throw is adjusted without tools





#### The KWT transport running gear

The transport running gear makes these rotary tedders ideal for smaller tractors with smaller lift capacities despite their wider working width.



Watch our video and find more























Making quality forage not only requires high-capacity mowers but also the right tedder. In terms of work rates, the KWT 1300, 1600 or 2000 is the perfect match for a high-capacity mower combination. It allows you to do the tedding pass in parallel with the mowing pass to achieve uniform wilts.





#### High productivity and quality of work

The trailed rotary tedders KWT 1300, 1600 and 2000 stand out for an impressive efficiency and the best quality of work. 12, 14, or 18 rotors spread the crop in an extremely uniform mat. The flexible tubes ensure the material is adequately tedded even across the full work width and in undulating fields.

Permanently lubricated rotor gearboxes, robust tube-section tine holders, a sturdy frame with individual segment adjustment and a wide transport chassis running on flotation tyres – all this combines to cope with highest loads and deliver excellent results on and on.



### **Sturdy frames**

High-strength beams are made to cope with the strains of a huge work width. The enclosed hoop guard features cross braces that are arranged at an angle for extra stability. The heavy-duty build not only complies with safety standards but also takes off load from the side arms and joints.



Large flotation tyres provide softer treading on the turf, protect the sward and reduce compaction. The soft-treading standard tyres can also be replaced by extra wide tyres on these three models.

#### **Compensating for the loading**

As the rotors lift out of work, the tensioned and load-compensating spring presses the drawbar to the ground as the rotor lifts out so that the tractor's link arms do not move. Three-point linkage attachment is an option on KWT 1300.

Watch our video and find more





## **KWT**

- 13.10 m, 15.27 m or 19.60 m working width
- Top spread pattern from 1.53 m diameter rotors
- Heavy-duty beams for maximum strength
- Maintenance-free OctoLink rotor drives
- Intelligent steering on KWT 1600 and KWT 2000



















## **Swadro**

Powerful selling points

## **Swadro**

- Maintenance-free rotors and tine arms without grease nipples
- Maintenance-free, liquid-grease lubricated gearbox
- DuraMax, the hard-wearing cam track with threeyear warranty
- Central rotor suspension for optimum contouring and a uniform ground pressure across the full working width
- KRONE Lift Tines for higher-quality forage, minimum losses and higher work rates
- Great lift-out height on headlands
- Less than 4 m transport height
- Less than 3 m transport width



#### No downtime

The weather sets the pace in forage harvesting. Maintenance-free and permanently liquid greased rotor gearboxes make the KRONE Swadro a very reliable partner in your harvest campaign, ensuring dependable operation in narrow harvest windows.



#### Steep and small-diameter cam track

Stand-out features of our DuraMax cam track is the extremely small diameter and steep track design. It is this unique design and its effect that lead to the formation of optimum swaths in all conditions.



#### The tine arms

Each tine arm is controlled by its control shaft that is manufactured to precision-fit tolerances for exact fit in the control arm and precision tine control as the arm follows the cam track. It is this design that leads to those clean and loss-free rakes. Each tine arm is mounted on two ball bearings inside the hub plate. The two bearings are spaced wide for reduced wear and higher work rates.





#### The KRONE Jet Effect

The KRONE Jet Effect ensures the tines will not dig into the ground when the rotors lower and lift. Emulating the touch-down and take-off behaviour of an airplane, The clever design of the rotor suspension ensures there is always a maximum of clear space between the tine and the sward when the rotor lifts and lowers out and into work - an intelligent system that helps protect the sward and avoids crop contamination.

#### The double kink trick

For more than 10 years, the KRONE Lift Tine has convinced our customers around the world in terms of quality forage and rakes. Kinked in two positions, the vertical tine lifts the material clear off the ground. This is the secret behind producing clean forage in difficult conditions. The Lift Effect sees the grass moving up the length of the tine. Even extremely wet and heavy material will not bend the tines which are up to 10.5mm thick and are coiled around large-diameter arms for greatest stability and tidiest rakes.

Watch our video and find more





Technical data



























## Swadro

- Swadro 35-46 three-point mounted single-rotor rakes with work widths of 3.50 m to 4.60 m
- Swadro 38 T, 42 T, 46 T trailed singlerotor rakes
  with work widths of 3.80 m to 4.60 m
- Swadro S 380, S 420, S 460 new generation single-rotor rakes with work widths of 3.80 m to 4.60 m

#### **Clever castering properties**

The caster-steered headstock tracks accurately behind the tractor as this is making the turn. Thanks to the intelligent balancing arm you also manage tight headland in awkwardly shaped fields without a hitch. The damper struts eliminate tailing and ensure straight and uniform swaths. Also, the machine centres itself exactly and automatically behind the tractor as it is being raised. This also eliminates a separate transport locking system.



Swadro 46 single-rotor rake









Swadro S 420 single-rotor rake



















# Swadro

Swadro side delivery rotor rakes with 2 or 3 rotors

## Swadro

- Swadro TS twin rotor side delivery rakes for maximum productivity up to the last cut
- Swadro TS Twin for flexible swathing options and single, twin or double swaths
- Swadro 710/26 T
  - the compact trailed twin rotor rake
- Swadro TS 970
  - the world's largest side delivery rake with 9.70 m work width
- Great lift-out height on headlands
- Less than 4 m transport height
- Less than 3 m transport width





### Forming one single swath

The Swadro TS models can be adapted to the crop conditions and the intake capacity of the following harvester. Single swaths are ideal in high-yielding crops and when using balers or small forage wagons.

### Forming a double swath

Raking up two separate swaths in one up and down operation, Swadro TS covers a work width of up to 15 m (49'3"). Double swathing is a very effective method to fully exploit the intake capacities of powerful harvest machines.



Swadro TS 970 three-rotor rake

Watch our video and find more

























#### Changing work widths hydraulically

Hydraulic work width control is standard specification on all models from Swadro TC 760 Plus. The system comes with a large scale that helps operators set the required position.

#### Individual rotor lift-out

The rotors can be lifted separately as an option. This feature brings great advantages in wedges, along boundaries and in low-yielding crops.

#### **Generous ground clearance**

The high-clearance frame and the high rotor lift-out allow the machine to run over massive windrows without disturbing them.

### Reduced transport height

Quick changeovers bring drown the transport height to less than 4 m (13'2") on the Swadro TC and TC Plus without removing any tine arms or guards.















## Swadro

- Flexibility to select any work width from 6.40 m to 10.00 m to suit varying conditions
- Swadro TC Plus models for extra operator comfort
- Variable chassis with adjustable track widths and large tyres
- High ground clearance and high rotor lift-out for easy headland turns
- Transport height is less than 4 m - without leaving the tractor

















# **Swadro**

Four- and six-rotor rakes











#### Less than 4.00 m, hydraulic control

The hydraulic height control system lowers the Swadro TC 1370 axle quickly and conveniently to get ready for road travel. No need to remove the tine arms, no need to leave the tractor.



### The KRONE idea that cures lumping

The leading rotors spin faster than the following rotors, presenting the material to the following rotors The results are fluffy swaths that boost the performance of the following harvester.

#### With flexible Ackermann steering

The Ackerman steering system on the transport running gear of the Swadro 2000 can be operated in two ways: either passively via a linkage or actively via a hydraulic ram. Either way, the result is excellent castering and easy manoeuvring on tight headlands.

## **Swadro**

- Large choice of models for variable 9.80 m to 19.00 m work widths
- Swadro TC 1250 the entry model to professional raking
- Swadro TC 1370 the convenient four-rotor machine
- Swadro 2000 the world champion in area output and raking quality



#### With variable working width

The rake can vary its work width hydraulically, producing swaths that match the capacities of the following harvesters. To do that the two rotor arms extend and retract on a sliding carriage.



Watch our video and find more TC 1250 / TC 1370



Watch our video and find more Swadro 2000







# AX

## Self-loading and forager-filled forage wagons



#### Silage extensions (HL / HD)

The AX forage wagons feature a pivoting headboard top that folds forward in a 90° angle for easy filling from the forage harvester – which is particularly useful when opening up fields. This feature makes the AX even more versatile and turns it into a fully-fledged dual-purpose wagon.



#### Steel extensions (GL / GD)

The well-proven steel extensions are particularly strong and suit all applications of a dual-purpose machine. The sides are hot-galvanized, powder-coated or plastic-laminated.



#### Collapsible hay extensions (FL / FD)

These extensions collapse hydraulically pass through low gates and enter low buildings.









#### Sloping chain-and-slat floor

The sloping floor offers multiple benefits and reduces the crop passage into the machine so it can settle sooner. This keeps its structure intact and saves input power.

#### **Cutting rotor**

Measuring 76 cm in diameter, 151 cm in width and featuring six helical rows of tines, the rotor cutter delivers an extremely powerful performance. The tines have extra wide Hardox steel plates that provide gentle crop treatment, enhanced quality of cuts and lower power inputs.

#### The knife bank

When all 32 blades are set to cutting action, the system achieves a nominal chop length of 45 mm. The blade group control system allows operators to select the blades in sets of 32, 16, 16, 0.

Watch our video and find more





## AX

- Choice of collapsible or steel extensions and steel sides with a volume of 25-31 m<sup>3</sup>
- Sloping **chain-and-slat floor** enhances crop feed efficiencies
- Camless pick-up with w-lined tines distributes the material uniformly
- Massive rotor cutter ensures load capacity exploited to the full
- Up to **32 blades are selected in groups** for up to 45 mm cuts
- Auto PowerLoad feature for maximizing capacities
- Discharge rollers with V-shaped tines distribute the material uniformly
- Optional cross belt for feeding the forage to the cattle
- Caster-steer torsion-beam axle or tandem axles for optimum sward protection



















## XM

## Self-loading and forager-filled forage wagons





#### **Optimum productivity and quality**

The new cut-and-feed system on the AX models translates into high throughputs and high-quality cuts. Eight helical rows of tines pull the crop through 41 blades, which are arranged in one plane cutting the crop at a nominal length of 37mm.



#### The models with discharge rollers

The MX GD models have three discharge rollers (two as an option) which unload the material in a uniform mat. Overload protected by the clutch in the main driveshaft, the rollers discharge the material fast and efficiently.



#### **Bottom-mount hitch**

All MX models are specified with the standard ball hitch 80 which offers a tongue load of 4 t, offering great agility at minimum wear. The drawbar suspension system is standard specification and provides highest driver comfort also when travelling at speed.



#### Cross conveyor belt

The optional cross conveyor belt is an ideal feature for farmers who feed the fresh forage directly to their cows. The 90 cm wide belt feeds the material to the right and left side. But you can also empty the machine via the discharge rollers without any previous modification.



#### forager-filled forage wagons

Their rugged steel structure and the high 18t axle load make all MX models the most reliable and productive companions for the forage harvester.

Watch our video and find more





# Rotor cutter SpeedSharp

#### MX

- Steel structure with 33, 37 or 40 m<sup>3</sup> capacities
- with 41 blades for a nominal 37 mm cutting length
- Camless pick-up with tines arranged in a w-line for optimum crop flows
- The optional blade grinder for convenient use in the field
- **Standard ball hitch** for high tongue loads and reduced wear
- Standard articulated drawbar with **suspension** for better ride
- Three **discharge rollers** (two as an option) discharge the material in a uniform mat
- Optional cross belt for feeding the fresh forage to the cattle
- Optional crop covers for loss-free transport



















#### The ideal silage trailer

Offering volumes of 36 to 43 m³ and impressive gross weights, the RX models make ideal silage trailers to run in the haulage fleet serving the forage harvester. Filled either by its pick-up or the SP forager, the KRONE RX wagon serves two purposes and is therefore a particularly productive machine.

#### The EasyFlow pick-up and rotor cutter

The 2.01 m pick-up with w-lined tines ensures the material is fed into the machine across the full width of the rotor. The large 88 cm diameter and 1.78 m wide rotor cutter not only delivers maximum throughputs but also perfect cuts. Driven by an oil-immersed gearbox, it stands out for its rugged build, high throughputs and precision cuts.

#### The crop covers

The optional crop covers are operated from the tractor seat and folded hydraulically into transport position. Their flexible texture is tightened on sturdy frames covering the contents effectively and keeping it safely contained during long-distance travels at speed.









#### RX

- High-capacity self-loading and forager-filled forage wagons with capacities from 36 to 43 m<sup>3</sup>
- Camless pick-up with tines arranged in a w-line for optimum crop flows
- Rotor cutter with 46 blades for nominal cutting lengths of up to 37 mm
- **SpeedSharp:** This option grinds the blades conveniently in the field for optimum performance
- Pivoting headboard maximizes capacity (RX 400/430)
- Standard ball hitch for high tongue loads and best manoeuvrability
- Standard pressure compensated and auto-levelling tandem axles for safe rides in rough terrain
- Optional cross belt for feeding the forage to the cattle
- Optional crop covers for loss-free transport



#### The silage hatch

The RX 360 has a straight vertical headboard. When the combination is following the forage harvester, the tractor operator can open the top hatch towards the tractor for easier filling. The same hatch opens backwards when the machine is gathering crop with the pick-up.



The RX 400 and RX 430 feature a headboard that pivots as a complete unit. When the machine is being filled by the forage harvester, this headboard pivots forward (A) for smooth and convenient filling without losses. When the machine is collecting grass with the pick-up, the headboard moves into a nearly vertical position (B) and pivots towards the tractor (A) to expand the capacity when the load area is full.



Watch our video and find more























(I) KRONE

# ZX

# agrirouter

Self-loading and forager-filled forage wagons



#### EasyFlow: picks up every stem at full width

The wide and camless pick-up with tines arranged in a w-line is powered by an intelligent hydraulic drive and works at a width of 2.12m to DIN. The unit is low maintenance and conveniently controlled from the tractor cab on the move for optimum contouring and protection of the valuable sward.



#### Higher outputs, better cuts

Powered by a poly V-belt, the 88 cm diameter and 1.91 m wide feed rotor is extremely powerful. It features eight rows of tines in a helical arrangement. The tines have extra wide Hardox steel plates that are particularly hard wearing and provide gentle crop treatment and enhanced cuts at reduced input power.



#### **Driven by a Powerbelt**

The unique KRONE Powerbelt drive concept in conjunction with a planetary gearbox inside the cut-and-feed rotor reduces the input speed for the rotor.

This enables the system to handle torques of up to 2800 Nm and 400 hp pto power. The Powerbelt actively absorbs peak loads for a substantial increase in maximum throughputs.



#### ZX

- Up to 400 hp driveline
- Camless pick-up with hydraulic drive and electro-hydraulic suspension
- Unique Powerbelt driveline to the cut-andfeed rotor
- Pivoting headboard increases capacity from a compact build
- Pull-out blade cassette with 48 individually protected blades
- Three standard discharge rollers on ZX GD models. Overload protection comes from a clutch in the main driveline.
- Optional SpeedSharp blade sharpener
- Axle assembly with hydraulic pressure compensation
- 30.5 inch tyres are an option for softer treading
- PowerLoad auto filling system with auto chain-and-slat floor control







#### The SpeedSharp blade sharpener

The optional SpeedSharp system grinds all 48 blades right in the field and in just four minutes. Each grinding disc is held down on the blade by its own bevel spring, ensuring consistently sharp blades even at different degrees of wear.



#### Steered axles

The caster-steer tandem axle is base specification for all ZX 430 and ZX 470 models. A mechanical or electronic forced steering system is an option. This axle assembly offers reduced tyre wear, reduced scuffing and light pulling in curves. 30.5 inch tyres are an option for softer treading and optimum protection of the valuable sward.























#### **Conical body**

The forage wagon scores on its conical structure. The steel floor and the tapered body front to rear make for swift and smooth unloading. Also, all obstacles in the material flow have been eliminated.

#### **Boosting unloading rates**

As a bespoke and optional feature, our forager-filled forage wagons have a plate arranged behind the headboard which helps to unload the material faster and more efficiently. When the tailgate opens this head plate pivots to the rear, pushing against the crop wall and supporting the work of the chain-and-slat floor.

#### No. of discharge rollers

The entry-level TX 460 D and 560 D have two tube-steel rollers that unload the material. These large 450 mm diameter rollers with grippy tines in helical arrangement discharge the material across the full width and in a uniform mat.









#### TX

- Up to 56 m³ capacity for maximum efficiency
- Single-frame concept for a lower dead weight and high payload
- Slanting sides increase the filling opening
- Hydraulic articulated drawbar: lowers the front end when following the harvester
- Pivoting head plate for boosted unloading rates and efficiencies
- Optional crop covers for loss-free transport
- Optional discharge rollers unload the material in a uniform mat
- Steered tandem or tridem axles protect the sward and reduce tyre wear



#### Hydraulic articulated drawbar

The articulated drawbar offers two benefits: it allows you to lower the front end hydraulically when opening a field and raise it for higher ground clearance on rutted ground. The slim drawbar with ball hitch is suspended to offer superior ride stability.



#### Lifting axle

The front axle on a tridem assembly can be raised hydraulically. This saves tyre wear and cost during empty hauls.



Watch our video and find more





















**WKRONE** 





- for transporting all kinds of crops and loads
- Single-frame concept for a lower dead weight and higher payload
- KRONE ExactUnload controls the unloading rate by length of the pit
- Light-weight and yet rugged structure with variable extensions to boost capacities
- Dual-purpose tailgate with discharge rollers that swing out of the way for maximum versatility
- Underride guard swings hydraulically in and out of position for maximum convenience and safety.
- Intuitive operation from the ISObus terminal or remote control from the ground

#### **Organic fertilizer**

The GX also hauls solid manure and compost. You can lower the sides to reduce the filling height and improve operator visibility.



#### Combinable crops

The GX general-purpose wagon transports all crops of all seed sizes whether coarse or fine - panicles, legumes and also oilseeds. Its grain outlet at the rear is a standard feature and allows operators to unload grain in a controlled way at the store.



#### Root crops

The GX is also an ideal trailer to haul any conceivable cash crops, especially crops that are sensitive to damage such as potatoes, beet and even vegetables. The optional radio remote control helps unload crops that tend to roll in a controlled way.



#### Silage

The articulated and hydraulic drawbar plus the silage extensions make the GX the perfect trailer for serving the forage harvester – in silage maize, grass silage and whole crop silage. Typically KRONE, the general-purpose wagon is cleared out in no time so more time can be spent on compacting to make quality feed.



















# Bellima

Round balers



#### Effective crop feed

The Bellima F 130 that features an extra wide pick-up and feed augers boasts a powerful packer which feeds the material that has been gathered by the pick-up in a consistent flow into the bale chamber.



#### Straightforward and good

We have nothing to hide. Our Bellima does with a minimum of drive chains and sprockets! The simple and uncluttered design makes for minimum service and maintenance and results in maximum longevity.



#### Very grippy

The slats on the KRONE chain elevator mesh with crops to provide positive bale rotation. No straw bale will stop rolling on this machine! By the way, the automatic tensioning system is of course a standard feature!



# KRONE MiniStop – more bales per hour

A unique KRONE feature – bale ejector and collecting tray in one. It allows the baler to start the next baling cycle while the tailgate is still closing after ejecting the bale – a small detail that allows you to bale up to six more bales per hour!









# Bellima

- Rugged fixed-chamber baler for silage, hay and straw
- **■** Enclosed bale chamber for minimum fragmentation
- Endless KRONE chain-and-slat elevator for compact and well-shaped bales
- **Simple by design –** low maintenance and long service life
- Low deadweight, less input power









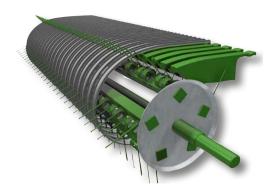




# **Fortima**

Round balers





#### **EasyFlow pick-up**

The EasyFlow pick-up does without cam track control. A simple assembly uses fewer moving parts than controlled pick-ups with cam tracks and results in extremely quiet running, less wear and ultimately lower service and maintenance costs. EasyFlow – a powerful system that leaves no stem behind.



#### Rugged rotor, excellent cut:

Boasting a massive diameter, the cut-and-feed rotor offers a particularly high feed capacity. The double tines are arranged chevron-style and pull the crops consistently through the blades. This reduces the risk of peak loads as the stems are cut 'one after the other'.











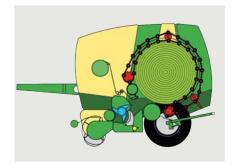




#### **Fortima**

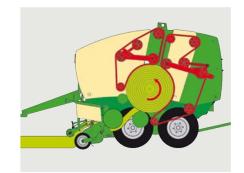
- Fixed or variable chamber for maximum versatility
- F models for 1.25-1.55 m diameter bales
- V models for 1.00-1.50 m diameters or 1.80 m bales
- The camless EasyFlow pick-up boosts throughput and offers harder wearing
- With or without **MultiCut** system for controlled and high-quality cuts
- Endless KRONE chain-and-slat elevator for compact and well-shaped bales
- Twine tying with four threads or net wrap cater for all needs in all types of conditions





#### Fixed bale chamber (F)

The enclosed bale chamber with endless chain-and-slat elevator produces high-density bales at minimum fragmentation.



#### Variable bale chamber (V)

The two endless chain-and-slat elevators form bales of extremely high densities.



#### KRONE chain-and-slat elevator for effective bale roll

The endless chain-and-slat elevator is gentle on the crop. By meshing with the material, it ensures effective bale roll and highest densities.



















# Comprima

Round balers and combination baler wrappers





#### The EasyFlow pick-up

Working at a width of 2.15 m (to DIN 11220), the EasyFlow pick-up gathers wide swaths effectively and feeds the material to the rotor cutter in a particularly consistent flow. Thanks to the generous width it is not necessary to travel through very tight turns while the machine is baling. More than that, the pivoting and spring-loaded EasyFlow provides perfect ground contouring even in very rough terrain.



#### The NovoGrip slat and belt conveyor

NovoGrip consists of robust and endless rubber fabric belts with metal slats. This design ensures the crop is treated gently as the slats mesh with the bale for effective bale roll and maximum density. This applies for hay and straw but also for late grass cuts and wet silage.



#### The XCut rotor cutter

The 53 cm diameter XCut rotor has its double tines arranged in a w-line and features up to 26 blades for top-notch performance. The gap between the double tines and the blades is extremely small so that not a single haulm will pass the blades without cutting.



#### Chamber film

Chamber film is an option in addition to net for boosted silage quality. Unlike a net wrap, it increases density in the outer layers of the bale, reducing air pockets and easing bale break-up on the feeding floor.









# Comprima

- Rugged round balers and baler wrappers for professional users and enduring applications
- Fixed, semi-variable or variable bale chamber for maximum versatility
- Camless EasyFlow pick-up with w-lined tines for high outputs and minimum wear
- XCut cutting system for superior cutting quality
- NovoGrip belt-and-slat elevator for maximum densities and quiet running



























# **Comprima Plus**

Round balers and combination baler wrappers









Watch our video and find more











#### The cutting rotor

Featuring three helical rows of tines and a massive 53 cm diameter, the powerful XCut rotor has the capacity to provide consistent crop flows and precision cuts while spreading the material across the full width of the bale chamber.





#### The driveline

The strong 1½-inch chains withstand any strain. Spring-loaded chain tensioners and auto lubrication and greasing reduce service and maintenance and extend chain life.

#### Varying the baling pressure

The baling pressure is varied electrically from the cab-based terminal. This way, you can adjust the density easily and conveniently to the conditions at hand.

#### The twin-arm wrapper

The wrapper has powerful twin dispensers to match the high output rates of the baler. Orbiting at 36 rpm, the high-performance dispensers finish the wrapping cycle in no time at all.





















Integrating the feed rollers in the rotor leads to a very consistent and dependable feed of material from the pick-up to the rotor – another boon for the overall crop flow and reliable machine performance.



#### The blade group

VariPack 165 XC and 190 XC have a 17-blade cutting system Select the number of blades in groups of 0/8/9/17 from an external control on the machine, setting chop length to up to 64 cm.



#### **Net wrapping**

The VariPack twine / net film wrapping system is simple, very reliable and easy to operate. The optional net chute helps handling the heavy net roll. It folds out and down to accommodate the roll and slides it into the cradle. The rigid net feeder makes for an easy net feed into the chamber. Spare net and twine rolls are stored on the machine to keep going on long working days.



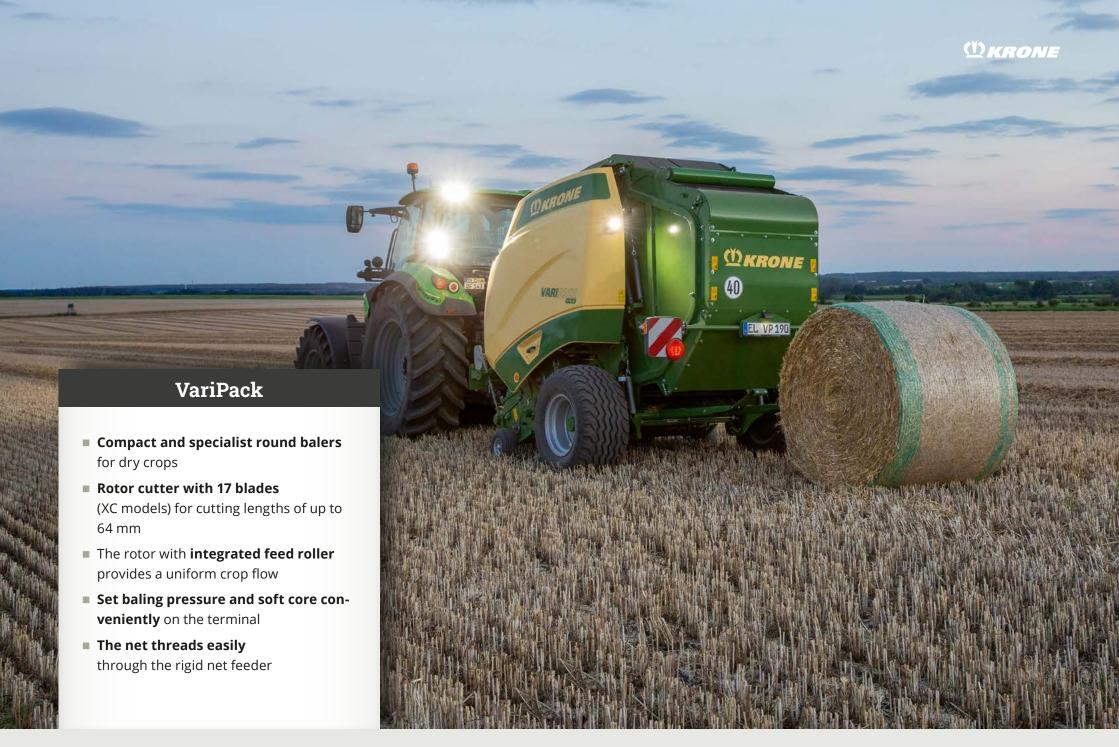
Enter the core density and the density of the middle and outer layers on the operator terminal and the machine produces bales to individual customer requirements and applications. Maximum density, for example, is typically used for long-distance haulage whereas a soft core is preferred in drying applications.

-CCI 1200



















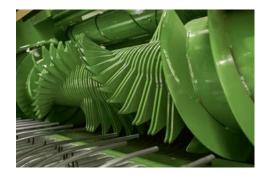




### VariPack Plus

- High-performance baler designed for dry material
- Integral rotor for maximum throughputs
- Cutting system with 26 blades or feed rotor
- Camless EasyFlow pick-up with v-lined tines
   and a minimum of moving parts
- Roll chute is standard for easy net refills





#### V-lined pick-up tines

The camless pick-up with v-lined tines gathers the material with precision. Made up of very few moving parts, the unit is maintenance-free and long-lasting.

#### The Integral rotor

The VariPack Integral Rotor integrates two feed rollers that are normally arranged on the sides. The solution makes for a simple design and eliminates one drive. This way, the material is reliably fed to the 26-blade cutting system.











#### Very grippy

The VariPack chamber is made up of three endless belts. The grippy tread pattern helps roll the bale reliably and the strong fabric core ensures maximum longevity.



#### Easy refills

Film roll changeovers are as convenient as it can get. Simply fold down the holder that stores the fresh roll and then push the roll up and into position. Done. No need to carry and lift the heavy film roll.





















# EasyWrap 150

Bale wrappers



#### Three-point attachment

Attached in three-point rear linkage, EasyWrap 150 runs very close behind the tractor, providing optimum weight distribution and great stability also behind smaller tractors. EasyWrap 150 is also suitable for front linkage attachment on higher-power tractors or telehandlers and wheeled loaders.



#### Effective bale roll

Each of the two massive rollers is powered by its own separate drive which ensures the bale rolls dependably even in difficult conditions. With the two rollers rotating in synch, the bale rolls consistently for a uniform wrap. One of the rollers is ribbed to prevent bale slip.



#### Integral auto load function

The optional bale turner deposits the bale on its face so it cannot roll away. This bale turner also serves as a bale detector as part of the auto load feature: as the wrapper makes contact with the bale, the bale pushes this detector towards the tractor. This in turn triggers the two rollers, bringing them together to pick up the bale. The entire wrapping cycle including depositing the finished bale can be carried out fully automatically. Yet, every single function in the wrapping cycle can also be operated manually to suit conditions.









#### Watched by sensors

The EasyWrap wrapping arm orbits at speeds of up to 36rpm for extremely fast wrapping cycles. Rather than time controlled, the arm is position controlled by an angle sensor. Also, a brake fixes it in position so it always starts out from the same position – a detail that is particularly important in sloping fields. The technology ensures perfect wraps and consistent overlaps even on different tractors and different hydraulic systems.





#### Fast roll change

The film dispenser swings out for easy roll change. Fitting the new roll and threading the film into the pre-stretch assembly is an easy job, The wrapping arm moves to either side - either operated from the terminal or the external control, making film change a doddle.

























# EasyWrap 165 T

Bale wrappers



#### Twin-arm wrapper

The two wrapping arms on the EasyWrap 165 T orbit at up to 40 rpm for shortest wrapping cycles and an outstanding performance. The arm is position controlled by an angle sensor. Also, a brake fixes it in position so it always starts out from the same position – a detail that is particularly important in sloping fields. The technology ensures perfect wraps and consistent overlaps even on different tractors and different hydraulic systems.



#### **Collecting bales**

At the end of the wrapping job the wrapper turns into a bale collector by carrying a second bale on the loading arm. After the tractor arrives at the collecting point, the finished bale is lowered to the ground and the second bale is wrapped.













- The two arms are reversible and orbit around the bale at up to 40 rpm for maximum productivity and best silage quality.
- The chassis with a low centre of gravity ensures great stability especially in sloping fields.
- The robust loading arm is adjusted without tools and reliably lifts all bales of up to 1.65 m diameter in size and 1650 kg in weight.
- The wrapping table features four strong textile belts and up to six bobbins for reliable bale roll
- Position controlled wrapping arm leads to perfect overlaps behind any tractor (no time control!)
- Automated functions for convenient bale control - from collecting to unloading

#### Film dispenser and film-break detector

Depending on the gear ratio, the dispenser stretches the film to 55% to 70% ensuring efficient film use.

The unit has an integrated sensor that detects a broken film. At film break, you either stop work and refit the film or you continue wrapping with one arm after halving the orbiting speed.



#### Small and big bales

A sturdy loading arm picks up the bale gently and places it equally gently onto the wrapping table. As the bale is grabbed at ground level it is neither squeezed nor damaged.

The arm adjusts easily without tools to various bale sizes. All you need to do is refit a pin.



#### Fast roll change

The quick-change system makes swapping film rolls a doddle. Swing out the film dispenser assembly, fit the new roll and thread the film into the stretcher. For added convenience, you can move the wrapping arm into the preferred position by pressing the external control.





















# **BiG Pack**

Highspeed – Generation 4





#### Higher throughputs from a powered feed roller

KRONE Active Pick-up – a clever combination of the tried-and-trusted camless EasyFlow Pick-up (a standard feature in all BiG Pack balers) plus an additional powered feed roller. EasyFlow can work 30% faster. As another advantage, fewer moving parts make for quiet running and up to 60% less wear.



#### The MultiBale system

The MultiBale system on BiG Pack 870 and 1270 ties up to nine small bales together in one big pack. These small bales are so much easier to handle and break up in confined buildings.



#### Three options for cutting the straw

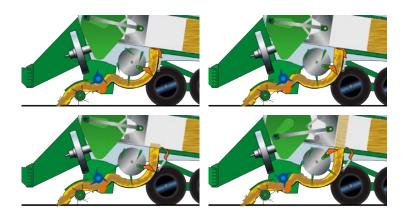
XCut produces nominal lengths of 44 mm. The unit is made up of two blade cassettes which lower hydraulically and pull out conveniently to either side. The VariCut multi-blade cutting system offers a nominal chop length of down to 22 mm – the ideal solution for more structure in the feed or for use as bedding.

The PreChop front-mounted chopping unit has 190 blades that cut the straw to nominal lengths of 21 mm and defibrates it at the same time.



#### HDP packs more weight into every bale

- it increases bale density by up 25% over regular balers
- it maximizes logistic efficiency
- it increases truck loads by up to 25%
- it reduces straw storage space requirements by up to 25%
- it increases bale handling productivity by up to 25%



#### Making rock-hard bales

The VFS Variable Filling System from KRONE allows users to produce rock-hard bales that keep their shape even in thin swaths and at slow forward speeds. As the first step, the packer and feeder feed the material into the feed chamber where it is collected and pre-compressed. Once the feed chamber is filled, the feeder rake pushes the crop into the bale chamber.



# **BiG Pack**

- HDP: Higher bale density up to 25% heavier bales than from the BiG Pack 1290
- Chamber sizes from 80 x 70 cm to 120 x 130 cm
- The VF system along with electronic baling pressure control for even bale densities
- The X-Cut and VariCut cutting systems and the PreChop system
- Well-proven Deering knotters for high-density and well-shaped bales
- MultiBale system packs up to nine small bales in one single big pack
- BaleCollect accumulator runs behind the baler collecting the finished bales as they leave the baler for greater harvest efficiencies and reduced field traffic





















# **BiG Pack HDP II**

High-density big balers

# BiG Pack HDP II

- **Up to 70% more throughput** than the BiG Pack 1290 HDP
- **Up to 10% higher density** than the BiG Pack HDP
- **Eight patented double knotters** for exceptionally high density bales
- The twine boxes lower hydraulically for easy maintenance and refilling
- Deselectable pusher dogs push out only the last bale or empty the entire chamber
- Hydraulic start assist system for a smooth machine start





#### Smooth start

For a smooth machine start, all BiG Pack HDP II models are equipped with a hydraulic start assist system consisting of two hydro motors that accelerate the flywheel before the tractor pto is engaged. The intermediate gearbox on the drawbar has two advantages: it reduces wear on the straight drive shaft and boosts the pto speed – a clever solution that helps maximize the flywheel's inertia.



#### The separate driveline

The pick-up and the rotor cutter on the BiG Pack HDP II with XCut are powered by a separate 4-groove kraftband which shuts off automatically if there is a blockage inside the machine. To save power, the pick-up and rotor start off only after the plunger has started.



(Y) KRONE

#### 54 balls of twine on board

27 balls of twine plenty for long working days. The twine boxes can be folded down hydraulically and conveniently from the cab for easy refilling and access to service points. Fitted with LED lights for greater convenience during night-time work.



#### A massive rotor for even higher throughputs

The 30% bigger rotor cutter features five rows of tines for highest throughputs. These V-shaped tines pull the crop through the blades with a minimum of input power and keep the bale chamber consistently filled up to the sides.

Watch our video and find more







#### The knotters

As high-density bales pose a great strain on the twine and on the knotters, KRONE developed a brand new knotter system for BiG Pack 1290 HDP II. This system consists of eight and very slim double knotters. This system comprises eight slim double knotters which expose the individual strings to minimal pull, enabling them to hold even denser packs.

















# BiG Pack – 5th generation

**BiG Balers** 



#### Full-on power for rock-solid bales

The length of the baling chamber has been increased by 80 cm to 3.60 m. The BiG Pack 1290 HDP chamber has standard wear plates at the front end which help press the material into perfect bales and reduce machine wear. Up to six massive rams operate the top and the side walls of the chamber. The BiG Pack 1270 (VC) achieves an up to 15% higher density over the predecessor model.



#### VariCut for flexible cutting lengths

The VariCut 51 system allows operators to select the blades in sets of 51, 26, 25, 12, 5 and the VariCut 26 offers sets of 26, 14, 12, 6, 6 blades.

The preselected group is engaged hydraulically from the cab. All cams are attached to the shaft and can be combined to form individual groups.



#### **KRONE PowerClean**

Two turbines feed the air from the rear into the knotter bay, creating an overpressure and preventing debris from depositing here in the first place. a design that obviously also reduces the number of wear parts. From here, the exhaust air is directed to the area behind the twine boxes and down to the axles, keeping these areas clean too.











#### **Ergonomically designed**

The twine boxes beneath the side panels lower hydraulically to a convenient height. They are opened without tools offering optimum access to the up to 15 kg twine rolls for easy replacement.

#### Maximum ride comfort

The new, spring-suspended Boogie tandem axle provides smooth and quiet running even at 60 km/h, taking strain off man and machine. The caster-steered rear wheels manage every turn treading gently on the valuable sward. The axles are spaced wider apart to accommodate 620/50 R22.5 wheels on all models. All major service points are lubricated automatically.







- A longer baling chamber for firmer, tighter bales in dry crops
- Choice of two popular chamber sizes 120 cm by 70 cm or 120 cm by 90 cm
- The VariCut cutting system is available for all models, offering 26 or 51 blades to suit every application
- The updated Variable Filling System ensures optimum precompression for best performance in all crops and swath sizes
- The side panels open and close hydraulically and the twine boxes offer convenient refills and optimum access to all service points
- **KRONE PowerClean** is the hydraulically powered turbine that cleans the knotter bay and and areas beneath the panels
- The Boogie axles from BPW with parabolic springs provide superior ride stability and driver comfort

















W KRONE

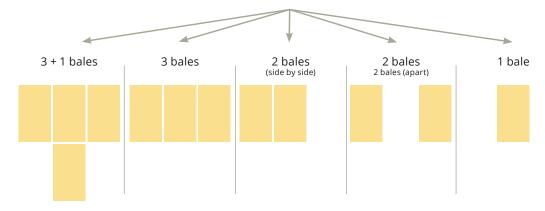
# BaleCollect

Bale accumulator



- Saves time and money in big bale logistics
- Telescoping drawbar for optimum road travel
- Multiple modes of depositing up to three 120 cm wide bales or up to five 80 cm wide bales catering for individual harvest requirements
- Standard and integral weighing system
- Efficient and gentle on the soil

#### Choice of 5 different modes of depositing the bales from a 120 cm chamber



#### Depositing the bales to needs

Depending on the individual harvest and process chain, customers may want to have their bales deposited in specific patterns. To suit individual needs, BaleCollect offers five different strategies or modes of depositing the bales in the field. The '3 bales' or '3+1 bales' modes are used to deposit all bales on or near the headland. By comparison, silage bales will be deposited to the '2 bales side by side' mode or the '2 bales apart' mode. These strategies are selected in harvest chains where the following wrapper is wrapping two silage bales into one pack or even picks up the bales itself. Of course, the operator can also push off the bales manually at any time by pressing a button. A new feature allows operators to drop the bales along as many as five waylines for more uniform results and convenience.



#### How it works

The BaleCollect platform can store up to three bales that leave a 120 cm chamber or up to five bales from an 80 cm chamber. When a bale leaves the chamber it is pushed to the right or left side by a bar, clearing the way for the next bale to enter the platform. All bales are automatically pushed off the platform according to the unloading mode selected by the operator.









#### **Clever stuff**

The bale accumulator is attached to the baler to collect the bales as they leave the baling chamber. To ensure safety on the road, KRONE has come up with an innovative attachment via the telescoping drawbar.





#### Safe road travel

For road transport, the platform folds into a compact unit of less than 3 m, the drawbar extends and the castering wheels/axles are made rigid. This allows BaleCollect to track reliably behind the baler - for safe rides at high speeds of up to 50 km/h and through narrow gates.



















# Premos 5000

Mobile pellet harvester



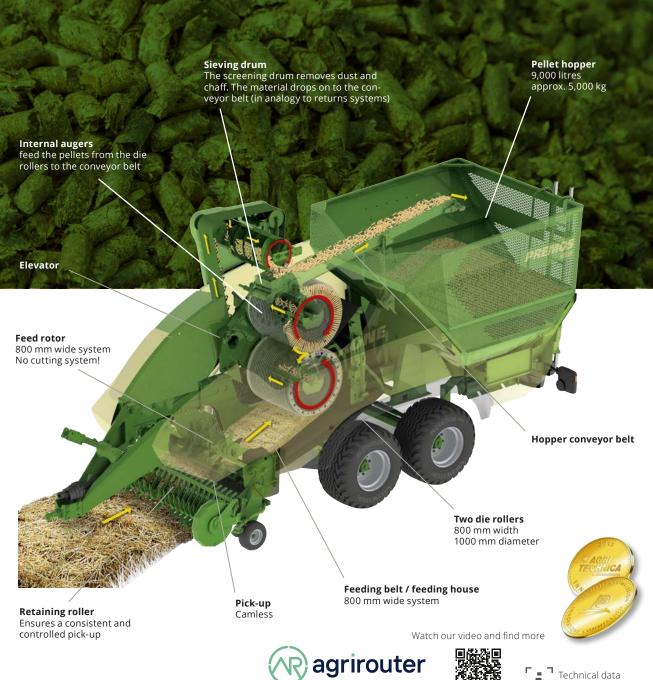
#### **Easy handling**

Offering a bulk density of up to 700 kg/m³, straw pellets provide for a transport efficiency that is 3-5 times higher than the density of straw bales. As another advantage, bulk handling can be automated very easily.



#### Also a stationary pellet press

In stationary use, Premos has the BaleFeed bale shredder that feeds the straw in a consistent flow to the pelleting drums.











- marketable product right in the field and in one single operation.
- **Premos 5000** the mobile pellet harvester that also operates as a stationary machine
- Straw pellets of an extremely high bulk density: up to 700 kg/m<sup>3</sup>
- Hourly outputs of up to 5,000 kg of high-fibre pellets
- High-fibre pellets are used for multiple purposes as bedding, feed and fuel

Every single step in the forage harvest chain aims at minimizing transport and storage costs and so the crop (grass, lucerne, straw) is baled into highest-density packs and bales. Premos 5000 (System Kalverkamp) compresses forage crops to densities that are 3-5 times higher than densities achieved by baling systems.

High-fibre pellets are used in many different applications as bedding, feed or fuel.



(Y) KRONE

#### A contribution to animal welfare

Handed out in small quantities, the nearly dust-free and sterile pellets make excellent toys for pigs.



#### Feeding pellets to animals

Pellets from hay, lucerne and straw make excellent base rations.



(Y) KRONE

#### Haylage pellets for bedding

1 kg of high-fibre pellets absorbs up to 4 litres of liquid, making perfect bedding for cattle, horses and poultry. Haylage pellets also absorb slurry.



#### A sustainable fuel

2.5 kg of high-fibre pellets substitute for 1 l fuel oil. The world's combined straw resources of currently 800 million tonnes can meet 2.5% of the world's energy demands, thereby reducing CO2 emissions. This way, Premos can be considered a contribution to climate protection.



















# The KRONE OptiMaxx 250 conditioner cracks every kernel

Measuring 250 mm in diameter and 570 mm in width, the unique OptiMaxx corn conditioner has angled teeth that give the unique shearing effect ensuring intensive kernel treatment both axially and transversely. The standard rollers revolve at a speed difference of 30%. This can increase to 40% or 50% as an option for a higher conditioning intensity.

Watch our video and find more





#### Superb manoeuvrability

The use of wheel motors allows the wheels to turn through 50° for tightest turns and perfect match-ups after headland turns with an 8-row maize header.



# Direct driveline - full throttle

The transversely mounted MTU engine allows the drive pump, the chopping drum, the crop accelerator and the pumps for the header and the intake rollers to take engine power directly off a poly belt.

No power take-off gear is required. All components in the crop flow system are activated by a belt tensioner.



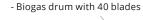
### BiG X

- Powerful and frugal 6-cylinder engines from MTU for sustained 490-653 hp output
- Universal MaxFlow chopping drum with 20, 28 or 36 blades for variable LOCs
- 40-blade Biogas drum for very short chops
- KRONE VariLOC enables various LOCs from one chopping drum
- **KRONE VariQuick** moves the corn conditioner quickly in and out of its working position
- KRONE OptiMaxx roller conditioners for intensive kernel processing
- Front-wheel and four-wheel drive; constantly variable 0-40 km/h speeds
- Independent rear wheel suspension for superb manoeuvrability and generous ground clearance



#### Chopping drum

- Universal chopping drum MaxFlow with 20, 28 or 36 blades



#### Intake system

- 6 intake rollers
- Additional protection against foreign objects
- Hydraulic drive
- Steplessly variable LOC

#### StreamControl

- Powerful discharge accelerator
- Adjustable discharge distance
- Precision fills of trailers following behind
- Low diesel consumption

#### VariQuick

- Minimum changeover between grass and corn/maize
- Quick changeovers between corn conditioning and harvesting grass
- -Removing the corn conditioner is convenient using a lowering mechanism

#### The OptiMaxx roller conditioners

- 250 mm diameter and 570 mm wide rollers for maximum performance
- Slanted teeth give a unique shearing effect for perfect cracking
- Up to 50% speed difference for optimum fracturing results



#### VariStream

- Spring-loaded floor underneath the chopping drum
- Spring-loaded accelerator backplate
- Continuous crop flow



















# BiG X 680 · 780 · 880 · 1180

Forage harvesters

#### Optimum productivity and quality

We built a host of innovative details into the BiG X, all combining to boost its gigantic throughputs and quality performance even further. Packed with such innovative details as six hydraulic pre-compression rollers, the massive chopping drum with up to 48 blades and the OptiMaxx corn conditioner, BiG X delivers a wide range of chop lengths that range from 4-7 mm (OptiMaize S) to 20-30 mm (OptiMaize XL). The optional VariLOC length-of-cut gearbox reduces the drum speed quickly and easily from 1250 rpm to 800 rpm to increase the range of chop lengths by up to 53%.



#### The OptiMaxx roller conditioners

With the new OptiMaxx 250 and 305 (see photo), KRONE presents a roller conditioner that offers an even higher performance for the BiG X 680/780/880/1180 models. The new conditioners are wider than their predecessors and have slanted teeth for a larger friction surface area, which translates into a perfect intake of the crop and perfect results on the kernels.



#### **Quick changeover**

Change from maize to grass or from whole crop silage to grass on the move – either using a chain drive with crank handle or an electric motor (see picture) as an option. Either way, the change from maize to grass or from whole crop silage to grass is made flexibly and quickly.

Watch our video and find more







- 8-cyl. and 12-cyl. engines from Liebherr with sustained 687-1156 hp output
- Six hydraulic and constantly variable pre-compression rollers for best-quality chops
- KRONE VariLOC:
   length-of-cut gearbox for variable, up to
   30 mm chopping lengths
- KRONE VariQuick: quick and convenient changeovers from corn to grass
- KRONE OptiMaxx: Roller conditioners for perfect conditioning and fracturing
- KRONE StreamControl (option) sets the crop throw from the spout on the terminal
- The KRONE LiftCab: optional cab lift for superior visibility in tall crops
- System of various tanks for customised liquids and consumable capacities
- Maximum agility from independent wheel suspension



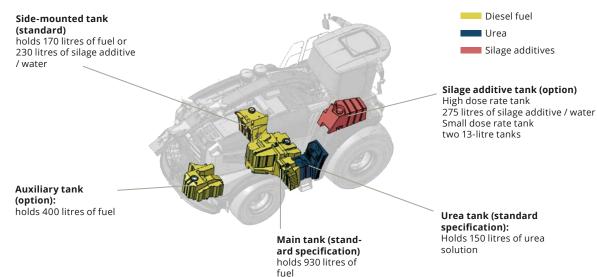






#### LiftCab

The optional cab lift feature raises the cab by up to 70 cm within seconds – simply at the touch of a button. This is a boon especially in tall maize crops, because it frees operators from staring at a wall of stalks all day long. Instead, they are now seated above the crop and overlook it. In this position, they have a better overview for loading high-sided trailers travelling behind or alongside.



#### Choice of tank options

Choose between seven different extra tank options. For example add a 150 l urea solution tank to the 1,500 l diesel fuel tank and a 275 l silage additive unit. You can use the available main and sidemounted tanks in such a way that you carry less fuel but more water and/or additives.

















# KRONE EasyFlow 300 S · 380 S

The pick-up without cam track

The camless EasyFlow 300 S and 380 S pick-ups by KRONE have neither deflection rolls nor cam tracks. Compared with conventional pick-ups, EasyFlow has up to 58% fewer moving parts, which makes it impressively smooth running, low-wear and therefore inexpensive in service and maintenance. EasyFlow operates 30% faster for cleaner gathering and increased productivity.



#### Convenience which lightens the workload

When the machine reverses, the auger conveyor and the crop press roller unit are raised automatically to give easy access to the intake system so foreign objects that were detected by the metal detector can be removed conveniently. When work is resumed, the holding-down clamp and the worm conveyor automatically return to their working position.

## **EasyFlow**

- More output, quieter running, less wear
- Constantly variable speed control from the operator seat
- Automatic pick-up speed adjustment to the current forward speed
- Quick coupler and coupling hoop make for quick header attachment and perfect contouring
- Six rows of tines





#### Two working widths

At a working width of 3.00 m or 3.80 m and six rows of tines in a W-arrangement, the camless KRONE EasyFlow 300 S and 380 S pick-ups are extremely efficient, raking up every blade of grass. Depending on the swath width and your working speed, you can vary EasyFlow rpm steplessly from the driver's seat or have it adjusted automatically to the current forward speed without the operator having to interfere. Its curved round steel bracket gives the header the flexibility to pivot through a large angle and makes for easy attachment and removal.





EASYFLOW

EL BX 630

#### **High throughputs**

Six rows of double tines allow for even crop collection while keeping the load and the power requirement to a minimum.

Not only does this pick-up gather the crop effectively but it also maintains a consistent flow in lumpy swaths for an excellent quality of chop.

#### With crop press roller unit

The EasyFlow has an adjustable large-volume crop press roller unit as a standard feature. This ensures a uniform flow of material into the machine also at high work rates.



One or two rolls, depending on work width, run at the rear of the unit for optimum ground tracking. The height of the cam follower rollers is adjustable.

Watch our video and find more

























# **KRONE XDisc 620**

the direct cut head

Based on the well-proven KRONE EasyCut cutterbar technology, the XDisc direct cutting system allows the BiG X to cut and chop whole crop silage in one operation and features SmartCut cutting performance and quality and SafeCut impact damage protection.

#### **XDisc**

- Direct cut headers with 6.20 m working width
- **High throughput**, low input
- KRONE EasyCut mower technology that is proven the world over
- KRONE SafeCut: unique protection for mower discs
- Powerful auger with replaceable Hardox wear plates



#### SafeCut - only by KRONE

As everybody knows, colliding discs may cause damage and involve costly repairs. KRONE SafeCut offers a maximum of protection and peace of mind. A unique technology protects the mowing discs from foreign objects. The XDisc comes with SafeCut as standard.

Watch our video and find more













#### Mowing and chopping in one work step

As a specialist for whole crop silage, KRONE XDisc is highly versatile. XDisc stands for loss-free harvest and convinces with a clean cut. The huge 900 mm diameter auger makes the unit enormously powerful and has no trouble picking up very long and bulky material.



#### Effective and safe

If the system is suddenly overloaded, the impact is not directed to the spur wheels in the cutterbar, instead the roll pins in the sprocket drive shaft shear off. The pinion shaft continues spinning, jacking up the mowing disc in question and moving it out of the risk zone and the orbit of the neighbouring discs. As a result, SafeCut prevents damage to the spur wheels and the neighbouring discs. The roll pins can be replaced in just a few minutes and cost next to nothing.

# **KRONE XCollect**

Maize header



#### **Harvesting without losses**

The sickle discs rotate on one plane, cutting the stalks without squeezing them. This technology minimizes vibration avoiding cob loss.



#### **Convenient guard**

The ingenious guard for the maize header is an option that forms an integral part of the header. It moves automatically in and out of position when the header folds into road or work position. The operator just presses a button. No need to leave the cab. A very convenient solution that reduces changeover times and boosts productivity.



## **KRONE XCollect**

- Available work widths are 6.00 m,7.50 m and 9.00 m
- Rotary sickle discs for effectively ripped stubble
- Operates to the collector principle, splits the processes of cutting and feeding
- A smooth and soft cut eliminates vibrations and crop loss
- Operators adjust the cutting frequency infinitely variably to suit the prevailing harvest conditions

Watch our video and find more









#### **Cutting without counterblade**

The stalks are cut by high-rpm sickle discs which rotate on massive bolts that connect them to the drive train. The cut stalks are then fed to the chopper unit by endless collectors above the discs which ensure a uniform lengthwise feed.







#### Hovering over the ground

The header has three sensor skids, one in the middle and two out on the ends, for optimum contouring and clean cuts in undulating fields and for clean forage.



#### **Protected driveline**

Star ratchet clutches protect the sickle disc driveline from overload. Speed sensors scan the speeds of two discs and send potential overload information to the operator terminal. In addition to this, a friction lining on each disc offers additional protection.















# **KRONE** excellent

## Crop packaging



#### HDP Strong<sup>2</sup> 11 kg

The well-proven 11 kg twine balls suit all BiG Pack models including the new 305 and 405 models.



#### HDP Strong<sup>2</sup> 15 kg

This is a special development for the fifth generation of BiG Pack 305 and 405 models – the new 15 kg twine balls boost your twine reserves and daily output.

#### Rely on the genuine product!

KRONE excellent offers the familiar KRONE quality. Genuine wraps reduce the costs per bales substantially and provide you the excellent KRONE service. Our bale wraps protect your valuable crop and lead to higher-quality forage and optimum results.

#### KRONE excellent twine

- This twine has been developed and **optimized to the specifications of the KRONE BIG Pack baler** and its knotting system.
- **Greatest knot strength**, superior to regular twines
- **Optimum fibrilling** ensures effective knotting

	MultiBale Smart²	MultiBale	MultiBale²	HDP Smart²	HDP Strong <sup>2</sup>	HDP X-treme²
Double pack order no.	27 023 342 0	927 943 0	923 944 0	27 023 343 0	27 023 217 0	27 023 218 0
Colour						
Max. knot strength	245 kgf	245 kgf	245 kgf	280 kgf	315 kgf	335 kgf
Weight	11 kg/roll	10 kg/roll	11 kg/roll	11 kg/roll	11 kg/roll	11 kg/roll
Roll length	1,342 m/roll	1,050 m/roll	1,430 m/roll	1,287 m/roll	1,188 m/roll	1,122 m/roll
Roll length	122 m/kg	105 m/kg	130 m/kg	117 m/kg	108 m/kg	102 m/kg
UV-stability	high	high	high	high	high	high

	MultiBale <sup>2</sup> 15 kg	HDP Strong <sup>2</sup> 15 kg	HDP X-treme <sup>2</sup> 15 kg
Double pack order no.	27 025 897 0	27 025 895 0	27 025 896 0
Colour			
Max. knot strength	245 kgf	315 kgf	335 kgf
Weight	15 kg/roll	15 kg/roll	15 kg/roll
Roll length	1,950 m/roll	1,620 m/roll	1,530 m/roll
Roll length	130 m/kg	108 m/kg	102 m/kg
UV-stability	high	high	high





## KRONE excellent net wrap

- High tear resistance and KRONE anti-laddering warranty
- Excellent unrolling and guaranteed length
- Edge-to-edge-cover technology for superior coverage
- Easy fitting thanks to left-right marks, 70 m end warning
- Great UV and weather stability, superior reliability and easy use
- Developed for KRONE round balers, hence tailored to KRONE systems

	Edge	X-tra	Stron	gEdge	Smart Edge²		
Order no.	926 180 0	929 926 0	927 922 0	927 924 0	27 100 417	27 100 418	
Length	2,600 m	3,600 m	2,600 m	3,600 m	3,000 m	4,000 m	
Width	1,245 mm	1,245 mm	1,245 mm	1,245 mm	1,250 mm	1,250 mm	
Number of linear wrap threads	50	50	50*	50*	37	37	
Min. resistance to tearing	260 kg	260 kg	320 kg	320 kg	260 kg	260 kg	

<sup>\*</sup> knurled into 25 warp threads

## KRONE excellent silage films

- Exceptional wrapping qualities, extremely tear and puncture resistant
- Guaranteed and hassle-free pre-stretch of up to 70% for more bales from each roll
- Excellent tack characteristics in all temperatures
- High UV-stability, effective protection from sun even during full exposure
- Developed for KRONE combination baler and wrappers, hence tailored to KRONE systems







	Slide 500	Slide 750		Slide Extra	Slide Smart		RoundWrap	
Order no.	926 925 0	926 929 0 926 926 0		926 960 0	27 023 344 0	27 023 345 0	926 947 0	27 100 419 0
Colour								
Version	Film wrap (standard)	Film wrap (standard)	Film wrap (X-treme UV)	Film wrap (X-treme UV)	Film wrap (X-treme UV)	Film wrap (X-treme UV)	Chamber film (no UV protection)	Chamber film (no UV protection)
Width	500 mm	750 mm	750 mm	750 mm	750 mm	750 mm	1,280 mm	1,280 mm
Length	1,800 m	1,500 m	1,500 m	1,950 m	1,500 m	1,500 m	2,000 m	1,650 m
Thickness	25 μm	25 μm 25 μm		20 μm	25 μm	25 μm	16 μm	20 μm
Layers	5	5	5	5	5	5	5	5



















# myKRONE.green

Would you like to have all your KRONE machines and all KRONE services listed at a glance? No problem, the solution is simple!

Create your personal account at mykrone.green and benefit from a new approach that makes you more efficient and organised.

## How does it work?

At the bottom of this page you find some of the few pillars that form part of the KRONE world, but of course these are not all. If you would like more information, please contact your sales partner or us directly - we will be happy to offer advice!







Would you like to opt into KRONE SectionControl or extra engine power or a special software solution? And preferably instantly? No problem with the E-Solutions Shop! With a simple click of your mouse, you can opt into an extra machine feature on conditions that work best for your farm!



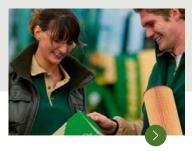
# SMART TELEMATICS

**KRONE Smart Telematics for** fleet managers to access and 'read' a machine. keeping them on top of what's going on in the harvest chain without having to make a single phone call. Also, the tractor drivers will have exact information on where to find the forage harvester.



#### **WKRONE** TRAINING

Qualification and continuous training of drivers and service staff are the pillars of your success in a world where customer demands increase and technology advances.



# PARTS CATALOG

The only way to maintain the top quality of your machine is to obtain parts from the original manufacturer. At Agroparts, you will find up-to-date and detailed parts catalogues on your KRONE machine - conveniently on the Internet.



























# **KRONE** Digital

Machine operation and data management



#### The ISOBUS terminals CCI 800 and CCI 1200

The new generation of ISOBUS terminals supersedes a generation of successful predecessors. In between them, the 35 members within the CCI project have sold more than 50,000 terminals over the past ten years – a success that bears out the CCI philosophy which is "Team Play Works"!



#### The DS 500 terminal

The compact DS 500 terminal has a 5.7" colour display screen and can be operated with 12 function keys, the touchscreen or the scroll wheel on the back.



#### **CCI A3 AUX Joystick**

The pictorial function keys on the joystick's touchscreen ensure that you always see what you are doing. Several grids are available, so you can choose the grid that best suits the work at hand.







#### **KRONE SmartTelematics**

KRONE Smart Telematics offer fleet managers a bird'seye and real-time view of all machines and their data, keeping them on top of what's going on in the harvest chain without having to make a single phone call. Also, the tractor drivers will have exact information on where to find the forage harvester. Eliminates cross talk on the phone.

# \* 0

#### agrirouter

agrirouter is an internet-based and universal data sharing hub for farmers and contractors that connects machines and farm software applications no matter the brand or developer. The universal approach allows owners of mixed fleets to use and share the data of all their machines - a huge benefit that saves time and increases productivity.



#### **NEXT Machine Management**

NEXT Machine Management imports the machine data automatically into the NEXT Farming field plot file for comprehensive documentation of a given job, including the machine used and inputs applied. You also enter the agronomical data, creating a basis for future decisions.

## **KRONE Digital**

- Machine terminals with intuitive user interfaces optimized to KRONE machines
- Optional AUX joystick and cameras
- SectionControl for convenient mowing and swathing
- **TIM** tractor implement management
- KRONE Smart Telematics a bird'seye view of the fleet and fleet data analysis
- agrirouter data communication across 'borders' and down the value chain
- NEXT Machine Management data evaluation





















		450 CV	450 CR
Rated engine power	kW/hp	330/449	330 / 449 kW/hp
Displacement	1	12	12
Conditioner type		V-type steel tines	Rubber or steel rollers
Working width	m	9.90	9.90



#### ActiveMow

	R 200	R 240	R 280	R 320	R 360
Working width m	2.05	2.44	2.83	3.22	3.61
Number of discs/top hats	3/2	4/2	5/2	6/2	7/2
Minimum tractor input kW/hp (approx.)	27/37	30 / 41	40/55	50/68	55 / 75



#### **Highland mowers**

EasyCut		F 280 Highland	F 320 Highland		
Working width	m	2.73	3.16		
Discs/top hats	Number	4/2	5/2		
Pto speed (reversing gearbox)	rpm	1000 (540)	1000 (540)		
Hydr. sideshift left/right	cm	15/15	15/15		
Minimum tractor input	approx. kW/hp	40/55	48/65		
Area output	approx. ha/h	3.0 - 3.5	3.5 - 4.0		





Highland	tedders and rakes			
		Vendro 420 Highland	Vendro 620 Highland	Vendro 820 Highland
Working width	m	4.20	6.20	8.20
Rotor diameter	m	1.38	1.38	1.38
Rotors	Number	4	6	8
Tine arms per rotor	Number	5	5	5
Minimum tractor input	approx. kW/hp	25/34	37/50	48/65
Area output	approx. ha/h	4.20	6.20	8.20

Swadro S 350 Highland	Swadro S 380 Highland
3.50	3.80
2.70	2.96
1	1
10	10
22/30	22/30
3.50	3.50 - 4.00





#### **EasyCut front mounted mowers**

	F 280 M	F 320 M:	F 360 M	F 280	F 320	F 320 CV	F 320 CR	F 360 CV	F 360 CR	F 400 CV Fold
Working width m	2.73	3.16	3.60	2.71	3.14	3.16	3.16	3.60	3.60	4.04
Transport width m	2.56	3.00	3.45	2.56	3.00	3.00	3.00	3.45	3.45	3.00
PUSH design	Standard	Standard*	Standard*	Standard	Standard*	Standard*	Standard*	Standard*	Standard	Standard
PULL design	-	Option**	Option**	-	Option**	Option**	Option**	Option**	Optional	-
CV tine conditioner	-	-	-	-	-	Standard	-	Standard	-	Standard
CR conditioner (polyurethane rollers)	-	-	-	-	-	-	Standard	-	Standard	-
CR conditioner (M-Rolls)	-	-	-	-	-	-	Optional	-	Optional	-
Power requirement kW/hp	40/55	48/65	51 / 70	44/60	51 / 70	59/80	59/80	66/90	66/90	74 / 100

<sup>\*</sup>PUSH version \*\*PULL version



#### **EasyCut R rear mowers**

		R 280	R 320	R 360	R 400	R 280 CV	R 280 CR	R 320 CV	R 320 CR
Working width	approx. m	2.73	3.16	3.60	4.04	2.73	2.73	3.16	3.16
Transport height	approx. m	3.50	3.90	4.00	1.50	3.10	3.10	3.50	3.50
Vertical transport position	n	110°	110°	124°	-	124°	124°	124°	124°
CV tine conditioner		-	-	-	-	Standard	-	Standard	-
Mechanical gearbox for C	V conditioner	-	-	-	-	Standard	-	Standard	-
CR conditioner (polyuretl	hane rollers)	-	-	-	-	-	Standard	-	Standard
CR conditioner (M-Rolls)		-	-	-	-	-	Optional	-	Optional
Minimum tractor input k' (approx.)	W/hp	40/55	50/68	55 / 75	66/90	51 / 70	51 / 70	59/80	59/80

Available conditioner versions: CV = V-steel tines, CR = rollers

The M models are compact and lightweight by design and offer the choice of two different conditioners: CV = V-steel tines, CR = r ollers



# EasyCut TS/TC

		2801 CV	2800 CRi	3201 CV	6210 CV	TS 320	TS 320 CV	TS 320 CR	TC 320 CV	TC 320 CR	TS 360 CV	TS 360 CR
Drawbar type		side-mounted	side-mounted	side-mounted	mid-mounted	side-mounted	side-mounted	side-mounted	mid-mounted	mid-mounted	side-mounted	side-mounted
Working width (m)	approx.	2.73	2.71	3.16	6.20	3.16	3.16	3.16	3.16	3.16	3.60	3.60
Cross conveyor belt		-	-	-	-	-	V-tines*	Rollers**	V-tines*	Rollers**	V-tines*	Rollers**
Conditioner		V-tines*	Rollers**	V-tines*	V-tines*	-	Optional	Optional	Optional	Optional	Optional	Optional
Minimum tractor input kW/hp	approx.	51 / 70	51 / 70	59/80	112 / 150	59/80	59/80	59/80	59/80	59/80	66/90	66/90

<sup>\*</sup>V-type steel tines (CV), \*\* roller conditioner (CR/CRi)



#### **EasyCut Butterfly**

		В 750	B 870	B 890	В 970	В 1000	B 950 Collect
Working width (m)	approx.	7.46	8.31 / 8.62	8.60 - 8.90	9.40 - 9.70	9.28-10.00	9.45
Conditioner		-	-	-	-	-	-
Merger augers		-	-	-	+	-	Standard
Minimum tractor input	kW/hp	74 / 100	95 / 130	88 / 120	95 / 130	100 / 140	118/160



#### EasyCut Butterfly with conditioner

		B 870 CV		В 87	70 CR	B 100	0 CV B 100		00 CR	
			Collect		Collect		Collect		Collect	
Working width	approx. m	8.70		8	8.70		9.30 - 10.10		9.30-10.10	
Conditioner		V-type steel tines		Polyurethane	Polyurethane rollers / M-Rolls		V-type steel tines		Polyurethane rollers / M-Rolls	
Merger belts		-	Standard	-	Standard	-	Standard	+	Standard	
Minimum tractor input	kW/hp	110 / 150	125 / 170	110 / 150	125 / 170	130 / 180	145/200	130 / 180	145/200	

 $TS = side\ drawbar,\ TC = central\ drawbar,\ *V-type\ steel\ times\ (CV),\ **Roller\ conditioner\ (CR)\ with\ polyurethane\ rollers/M-Rolls$ 





#### **Rotary tedders**

		Vendro 420	Vendro 470	Vendro 560	Vendro 620	Vendro 680	Vendro 790	Vendro 820	Vendro 900	Vendro 1020	Vendro 1120
Working width (m)	approx.	4.20	4.70	5.60	6.20	6.80	7.90	8.20	9.00	10.20	11.20
Minimum tractor input	kW/hp		25/34	37/50	37/50	44/60	48/65	48/65	55/75	60/80	66/90
Rotors	Number	4	4	4	6	6	6	8	8	10	10
Tine arms per rotor	Number	5	6	7	5	6	7	5	6	5	6
Rotor diameter	m	1.38	1.50	1.80	1.38	1.50	1.70	1.38	1.50	1.38	1.50



#### KW/KWT rotary tedders

	KW 4.62/4	KW 5.52/4x7	KW 5.52/4x7 T	KW 6.02/6	KW 6.72/6	KW 7.82/6x7	KWT 7.82/6x7	KW 7.92/8
Working width m	4.60	5.50	5.50	6.00	6.70	7.80	7.80	7.90
No. of rotors	4	4	4	6	6	6	6	8
No. of tine arms per rotor	6	7	7	5	6	7	7	5
Tractor attachment	Three-point mounted	Three-point mounted	Trailed	Three-point mounted	Three-point mounted	Three-point mounted	Trailed	Three-point mounted
Minimum tractor input kW/hp (approx.)	25/34	37/50	18/25	37/50	44/60	48/65	37/50	48/65



#### KW/KWT rotary tedders

	KW 8.82/8	KWT 8.82/8	KW 10.02/10	KWT 10.02/10	KW 11.22/10	KWT 11.22/10	KWT 1300	KWT 1600	KWT 2000
Working width m	8.80	8.80	10.00	10.00	11.00	11.00	13.10	15.30	19.60
No. of rotors	8	8	10	10	10	10	12	14	18
No. of tine arms per rotor	6	6	5	5	6	6	6	6	6
Tractor attachment	Three-point mounted	Trailed	Three-point mounted	Trailed	Three-point mounted	Trailed	Trailed	Trailed	Trailed
Minimum tractor input kW/hp (approx.)	55/75	37/50	60/80	40/55	66/90	40/55	51/70	60/80	80/110



#### Swadro single-rotor rakes

		35	38	38 T	42	42 T	46	46 T
Working width (m)	approx.	3.50	3.80	3.80	4.20	4.20	4.60	4.60
No. of	tine arms	10	10	10	13	13	13	13
Attachment		Х	Х	-	Х	-	Х	-
Tractor attachment		-	-	X	-	X	-	X
Minimum tractor input (approx.)	kW/hp	22/31	22/31	19/25	37/50	19/25	37/50	22/31

		NEW	NEW	NEW
		S 380	S 420	S 460
Working width (m)	approx.	3.80	4.20	4.60
No. of	tine arms	10	13	13
Three-point linkage		Х	Х	Х
Minimum tractor input (approx.)	kW/hp	22/31	22/31	22/31



#### Swadro twin-rotor side delivery rakes

	TS 620	TS 620 Twin	TS 680	TS 680 Twin	TS 740	TS 740 Twin
work width Single swathing approx. m Double swathing approx. m		6.20 2 x 3.46	6.80	6.80 2 x 3.80	7.40	7.40 2 x 4.10
No. of tine arms	10/13	10/13	2 x 13	2 x 13	2 x 13	2 x 13
Input power (kW/hp) approx.	37/50	37/50	37/50	37/50	44/60	44/60



#### Swadro twin-rotor side delivery rakes

Swadro TS	Swadro TS Twin
Single swath presentation (standard)	Single swath presentation (standard)
	Twin swath presentation (standard) Telescoping hydraulic arms (standard) Front-mounted crop deflector curtain



#### Swadro twin-rotor and three-rotor side delivery rakes

		710/26 T	TS 970
Working width (m)	approx.	3.40 - 6.20 (2 × 3.40)	9.70
No. of	rotors	2	3
No. of	tine arms	2 x 13	1x10/2x13
Minimum tractor input (approx.)	kW/hp	37/50	59/80





#### Swadro TC twin-rotor centre delivery rakes

		TC 640	TC 680	TC 760 (Plus)	TC 880 (Plus)	TC 930 (Plus)	TC 1000 (Plus)
Working width (m)	approx.	5.70 - 6.40	6.80	6.80 - 7.60	7.60 - 8.80	8.10 - 9.30	8.90 - 10.00
No. of	tine arms	2 x 10	2 x 10	2 x 13	2 x 13	2 x 15	2 x 15
Input power (kW/hp)	approx.	22/35	26/35	37/50	37/50	51 / 70	51 / 70



#### Swadro four- and six-rotor rakes

		TC 1250	TC 1370	2000
Working width (m)	approx.	9.80 - 12.50	10.80 - 13.70	10.00 - 19.00
No. of	rotors	4	4	6
No. of	tine arms	2 x 11/2 x 13	4 x 13	4 x 13/2 x 15
Minimum tractor input	kW/hp (approx.)	59/80	59/80	59/80





		2	50	28	80	31	10
Capacity (DIN 11741)	m³	25	25	28	28	31	31
Available extensions		F GL	FD GD	FL GL HL	GD HD	GL HL	GD HD
No. of discharge rollers		-	2/3	-	2/3	-	2/3
Working width pick-up	m	1.80	1.80	1.80	1.80	1.80	1.80
Max. no. of blades		32	32	32	32	32	32
Minimum tractor input	kW/hp (approx.)	59/80	59/80	66/90	66/90	74/100	74/100



MΧ

	330 GL	330 GD	370 GL	370 GD	400 GL
Capacity (DIN 11741) m³	33	33	37	37	40
Pick-up work width (DIN 11220) m	1.80	1.80	1.80	1.80	1.80
Cutting system (cutting lengths with 21/41 blades) mm	74/37	74/37	74/37	74/37	74/37
Discharge rollers (standard/option) Number	-	3/2	-	3/2	-
Minimum tractor input approx. kW/hp	88/120	88 / 120	103/140	103 / 140	103/140



RX

	360 GL	360 GD	400 GL	400 GD	430 GL
Capacity (DIN 11741) m³	36	36	40	40	43
Pick-up work width (DIN 11220) m	2.01	2.01	2.01	2.01	2.01
Cutting system (cutting lengths with 23/46 blades) mm	74/37	74/37	74/37	74/37	74/37
Discharge rollers (standard/option) Number	-	3/2	-	3/2	-
Minimum tractor input approx. kW/hp	110 / 150	110 / 150	125 / 170	125 / 170	125 / 170



ZX

		430 GL	430 GD	470 GL	470 GD	560 GL	560 GD
Capacity (DIN 11741)	m³	43	43	47	47	56	56
Drawbar tongue load	t	4	4	4	4	4	4
GVWR on tandem-axle model	t	24	24	24	24	-	-
GVWR on tridem axle-axle model	t	-	-	31	31	34	34
Pick-up work width (DIN 11220)	m	2.12	2.12	2.12	2.12	2.12	2.12
Nominal cutting length with 24 blades 48 blades	mm mm	74 37	74 37	74 37	74 37	74 37	74 37
Discharge rollers	Number	-	3 (2)	-	3 (2)	-	3 (2)





#### TΧ

	460	460 D	560	560 D
Capacity m <sup>4</sup>	46	46	56	56
GVWR Tandem model Tridem model	: 24 : 31	24 31	_ _ 34	- 34
Drawbar tongue load	. 4	4	4	4
Axle load Tandem model Tridem model	20 27	20 27	_ _ 30	_ _ 30
No. of discharge rollers	-	2	-	2



#### GX

	IN E VV	IN E VV
	440	520
m³	44 m³ to DIN	52 m³ to DIN
t	24	=
t	31	34
t	4	4
t	20	-
t	27	30
	2	2
	m³ t t t	t 24 t 31 t 4



#### Bellima

		Bellima F 125	Bellima F 130
Bale chamber		fixed	fixed
Bale diameter	m	1.20	1.20
Pick-up work width (DIN 11220)	m	1.40	1.80
Minimum tractor input	kW/hp (approx.)	25/34	25/34





#### Fortima

		F 1250 (MC)	F 1600 (MC)	V 1500 (MC)	V 1800 MC
Bale chamber		fixed	fixed	variable	variable
Bale diameter	m	1.25	1.55	1.0 - 1.5	1.0 - 1.8
Pick-up work width (DIN 11220)	m	2.05	2.05	2.05	2.05
Max. no o	blades	17	17	17	17
Minimum tractor input kW/hp (a	pprox.)	36 / 50	40 / 55	36 / 50	40 / 55



Comprima							
Comprina		Round balers		Combination baler wrappers			
		F 125 (XC)	F 155 (XC)	V 150 (XC)	V 180 XC	CF 155 XC	CV 150 XC
Bale chamber		fixed	semi-variable	variable	variable	semi-variable	variable
Bale diameter	m	1.25	1.25 – 1.50	1.00 – 1.50	1.00 – 1.80	1.25 – 1.50	1.00 – 1.50
Pick-up work width (DIN 11220)	m	2.15	2.15	2.15	2.15	2.15	2.15
No. of blades	(XC)	17 / 26	17 / 26	17 / 26	17 / 26	17 / 26	17 / 26
Minimum tractor input	kW/hp (approx.)	48 / 65	51 / 70	51 / 70	59 / 80	74 / 100	74 / 100



#### Comprima Plus

	Round balers		Combination baler wrappers		
	F 155 XC	V 150 XC	CF 155 XC	CV 150 XC	
Bale chamber	semi-variable	variable	semi-variable	variable	
Bale diameter	<b>m</b> 1.25 - 1.50	1.00 - 1.50	1.25 - 1.50	1.00 - 1.50	
Pick-up work width (DIN 11220)	<b>m</b> 2.15	2.15	2.15	2.15	
No. of blac	es 17 / 26	17 / 26	17 / 26	17 / 26	
Minimum tractor input kW/hp (appro	51 / 70	51 / 70	74 / 100	74 / 100	





#### VariPack

	V 165	V 165 XC	V 190	V 190 XC	
Bale chamber	vari	able	variable		
Bale diameter m	0.8 -	1.65	0.8 - 1.90		
Pick-up work width (DIN 11220) m	2.	15	2.15		
Minimum tractor input kW/hp (approx.)	67 /	67/90 67/90			



#### VariPack Plus

		VariPack V 165 Plus	VariPack V 165 XC Plus	VariPack V 190 Plus	VariPack V 190 XC Plus
Bale chamber		variable	variable	variable	variable
Bale diameter	m	0.8 - 1.65	0.8 - 1.65	0.8 - 1.90	0.8 - 1.90
Pick-up work width (DIN 11220)	m	2.15	2.15	2.15	2.15
Minimum tractor input kW/hp	approx.)	74 / 100	74 / 100	74 / 100	74 / 100



#### EasyWrap

			INEVV
		EasyWrap 150	EasyWrap 165 T
Bale diameter	mm	1000 to 1500	1000 to 1650
Max. bale weight	kg	1600	1650
Max. wrapping speed	rpm	36	40
Film width	mm	750	750
Film stretch	%	55 to 70	55 to 70
Attachment		Three-point linkage cat. II	Link arms, trailed





#### BiG Pack

4th generation		870 HDP HighSpeed	870 HDP XC HighSpeed	890 HighSpeed	890 XC HighSpeed	1270 HighSpeed	1270 XC HighSpeed	1270 VC HighSpeed	1290 HighSpeed
Chamber width x height	cm	80 x 70	80×70	80×90	80×90	120 x 70	120 x 70	120 x 70	120 x 90
Bale length	m	0.5 - 2.7	0.5-2.7	1.0 - 2.7	1.0 - 2.7	1.0 - 2.7	1.0 - 2.7	1.0 - 2.7	1.0-2.7
Minimum tractor input	kW/hp	105 / 143	120 / 163	80 / 109	95 / 129	85 / 116	100 / 136	135 / 184	90 / 122
Pick-up work width (DIN 11220)	m	1.95 / 2.35	1.95 / 2.35	1.95 / 2.35	1.95 / 2.35	2.35	2.35	2.35	2.35
MultiBale		Standard	Standard	-	-	Optional	Optional	Optional	-
Max. no of blades		-	16	-	16	-	26	51	-
Min. cutting length	mm	-	44	-	44	-	44	22	-

4th generation		1290 XC HighSpeed	1290 HDP HighSpeed	1290 HDP XC HighSpeed	1290 HDP VC HighSpeed	1290 HDP II	1290 HDP II XC	4 x 4 HighSpeed	4 x 4 XC HighSpeed
Chamber width x height	cm	120 x 90	120 x 90	120 x 90	120 x 90	120 x 90	120 x 90	120 x 130	120 x 130
Bale length	m	1.0 - 2.7	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2
Minimum tractor input	kW/hp	105 / 143	130 / 177	145 / 197	180 / 245	170 / 231	190 / 258	130 / 177	145 / 197
Pick-up work width (DIN 11220)	m	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
MultiBale		-	-	-	-	-	-	+	-
Max. no of blades		26	-	26	51	<del>-</del>	26	-	26
Min. cutting length	mm	44	+	44	22	-	44	+	44



5th generation		1270	1270 VC	1290	1290 VC	1290 HDP	1290 HDP VC
Chamber width x height	cm	120 x 70	120 x 70	120 x 90	120 x 90	120 x 90	120 x 90
Bale length	m	1.0 - 3.2	1.0-3.2	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2	1.0 - 3.2
Minimum tractor input	kW/hp	120 / 163	140 / 190	120 / 163	140 / 190	155 / 210	180/ 245
Pick-up work width (DIN 11220)	m	2.35	2.35	2.35	2.35	2.35	2.35
MultiBale		Optional	Optional	-	-	-	-
PreChop		-	Optional	-	Optional	-	Optional
Max no. of blades (VC26 / VC51)		-	26/51	-	26/51	-	26/51
Min. cutting length	mm	-	44/22	-	44/22	-	44/22





#### Pellet harvester

		Premos 5000				
		mobile use	stationary use			
Feed		Pick-up 2.35 m	BaleFeed for square bales			
Pellet diameter	mm	16	16			
Minimum tractor input	kW/hp	257 / 350	294 / 400			
Oil flow	l/min	90	200			
Throughput	kg/h	up to 5,000	up to 4,000			
Types of crops		Hay, lucerne, straw with less than 16% moisture				
Hopper capacity	kg	approx. 5,000	approx. 5,000			





#### Forage harvesters

		BiG X 480	BiG X 530	BiG X 580	BiG X 630	BiG X 680	BiG X 780	BiG X 880	BiG X 1180
Sustained engine power	kW/hp	360 / 490	390 / 530	436 / 593	480 / 653	505 / 687	570 / 775	660 / 898	850 / 1156
Max. sustained X Power chopping output	kW/hp	338 / 460	368 / 500	408 / 555	452 / 615	467 / 662	550 / 748	632 / 860	818 / 1112
Max. sustained Eco Power chopping output	kW/hp	-	-	338 / 460	338 / 460	368 / 500	368 / 500	441 / 600	441 / 600
Displacement / cylinders	1	12.8	12.8	15.6	15.6	16.16 / 8	16.16 / 8	16.16 / 8	24.24 / 12
No. of blades		20, 28, 36, 40	20, 28, 36, 40	20, 28, 36, 40	20, 28, 36, 40	20, 28, 36, 40	20, 28, 36, 40	20, 28, 36, 40, 48	20, 28, 36, 40, 48

#### X-Collect maize headers

Model	No. of rows	work width	Transport width
600-3	8	6.00 m	3.00 m
750-3	10	7.50 m	3.00 m
900-3	12	9.00 m	3.29 m

#### EasyFlow Pick-up

Model	work width
300 S	3.00 m
380 S	3.80 m

#### XDisc direct cut header:

Model	work width
620	6.20 m





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