AMAZONE

Cirrus

Cirrus trailed cultivator drill

Sow successfully – harvest successfully

SPEED sowing

- "The Cirrus concept offers effective sowing."
- "Supported by Section Control and AutoPoint, the drill performs almost fully automatically."

("dlz agrar" magazine – Field test "Sowing quickly and with air" 07/2017)

The Cirrus trailed cultivator drill is a pneumatic seed drill which is characterised by its superb working performance; both in conventional and mulch sowing. With working widths in 3 m to 6 m and hopper sizes of 3,000 l to 4,000 l, the Cirrus range is highly efficient. Due to their flexibility and different conveying system concepts, the Cirrus models offer the right solution for any farm, from small, compact sowing combinations to large-scale seed drills.

"The tank is effectively placed above the disc element and thus ensures smooth running of the discs and sufficient weight."
("dlz agrar" magazine – Field test "Sowing quickly and with air" 07/2017)

Cirrus
trailed cultivator drill

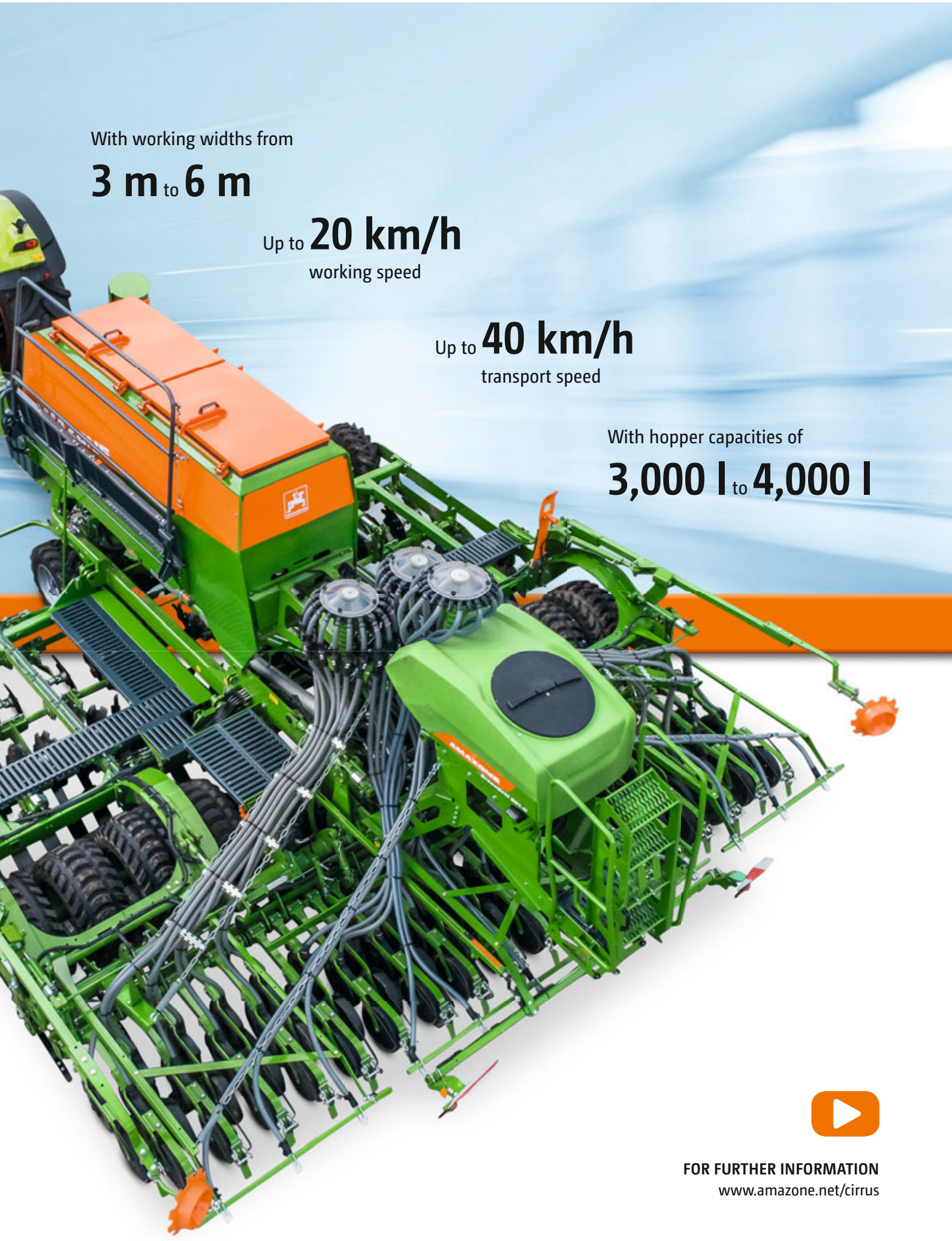
Maximum flexibility

Maximum comfort

Maximum effectiveness

The benefits at a glance:

- Large, central and slender seed hopper that offers good all-round vision
- Hopper cover in the form of a convenient roll-over cover or hopper lid
- Easily accessible metering
- Comfortable calibration thanks to TwinTerminal
- Hydraulic adjustment of the disc unit, including clearly legible scale
- Maintenance-free disc bearings
- Optional Matrix tyres for 40 km/h im road transport and targeted, strip-wise reconsolidation
- Centralised setting points for adjusting the placement depth of the TwinTeC^{+} double disc coulters
- The decoupling of coulter guidance and reconsolidation with the RoTeC pro single disc coulters
- Hydraulic remote adjustment of the coulter pressure from the cab
- Delivery of seed and fertiliser as single-shoot or double-shoot or a combination of the two
- AS tyre or Matrix tyre guide wheels
- Wide variety of equipment



With working widths from

3 m to **6 m**

Up to **20 km/h**

working speed

Up to **40 km/h**

transport speed

With hopper capacities of

3,000 l to **4,000 l**

FOR FURTHER INFORMATION

www.amazone.net/cirrus

The Cirrus concept

① **Maximum flexibility and manoeuvrability**
- High manoeuvrability with any tractor due to the telescopic drawbar
- Low pulling power requirement makes it possible also to use smaller tractors
- Lower link cross shaft with a choice of Category III/IV N/IV
- More cleanliness and logic for the hydraulic and electronic connections due to hose rail
- Standard machine operation with ISOBUS

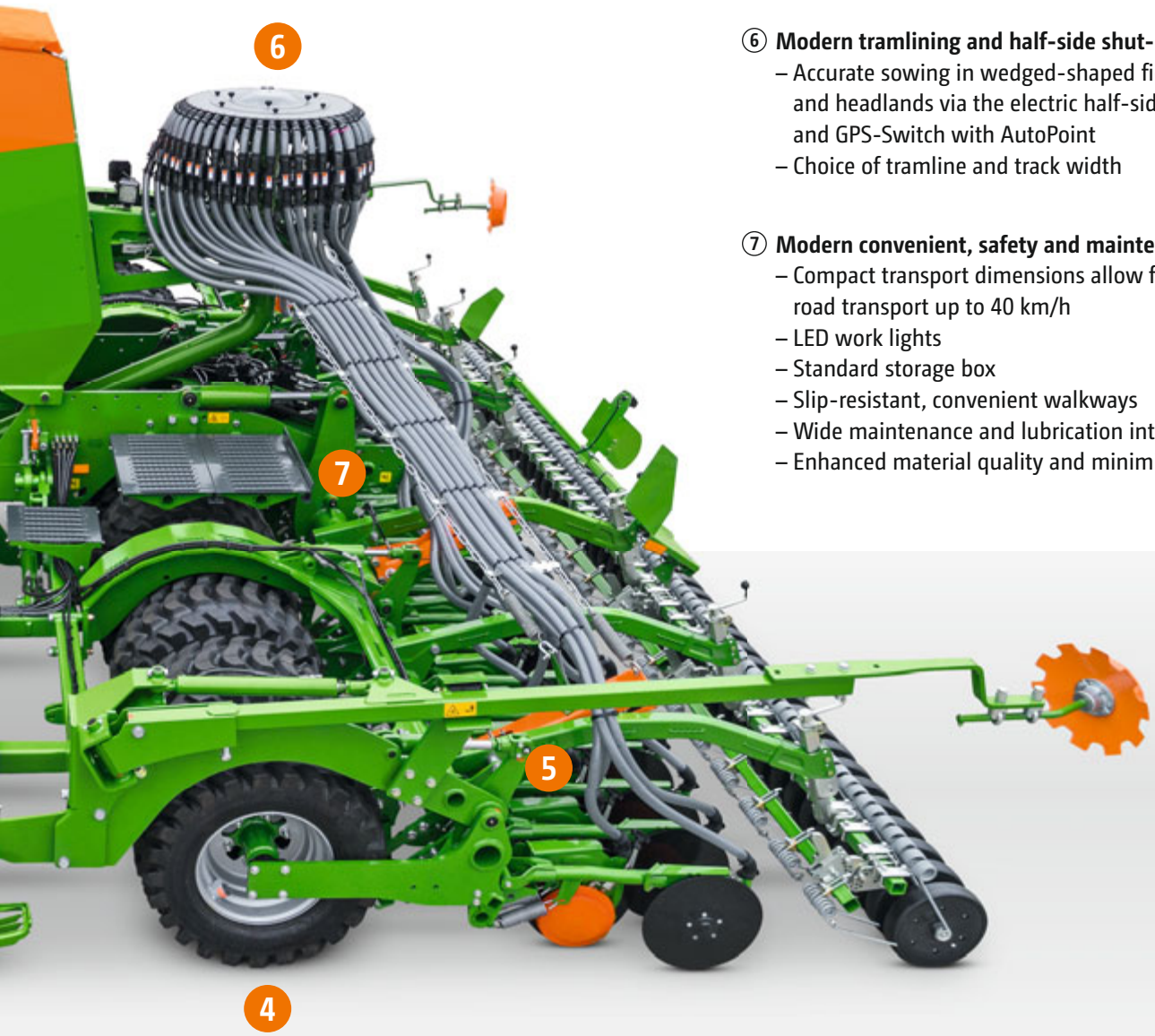
③ **Flexible tank and conveying systems – maximum individualisation for arable farming**
- Cirrus with single-chamber hopper
- Cirrus with twin-chamber hopper and single-shoot conveying system
- Cirrus with twin-chamber hopper and double-shoot twin conveying system

② **Highly flexible soil-engaging metal choice for seedbed preparation**
- Tractor wheel mark eradicators
- Crushboard before or after the disc element
- Solo drilling without the disc element
- Disc element with fine-serrated discs, coarse-serrated discs or the Minimum TillDisc cutting discs
- Leading tyre packer

Agronomical and ecological demands fulfilled to perfection!

④ **Perfect reconsolidation**
– Reconsolidation in strips using the Matrix tyres
– Cost-efficient AS-tyre as an alternative

⑤ **Selection of innovative coulter systems**
– RoTeC pro coulter
The universal single disc coulter with 12.5 and 16.6 cm row spacing
– TwinTeC^{+} double disc coulter with 12.5 cm and 16.6 cm row spacing
The effective double disc coulter for even the most arduous of conditions



⑥ **Modern tramlining and half-side shut-off solutions**
– Accurate sowing in wedged-shaped fields and headlands via the electric half-side shut-off and GPS-Switch with AutoPoint
– Choice of tramline and track width

⑦ **Modern convenient, safety and maintenance concepts**
– Compact transport dimensions allow for fast and safe road transport up to 40 km/h
– LED work lights
– Standard storage box
– Slip-resistant, convenient walkways
– Wide maintenance and lubrication intervals
– Enhanced material quality and minimised wear

Cirrus – the models

Cirrus Compact with single-chamber hopper

Model	Working width
Cirrus 3003 Compact (rigid)	3.0 m
Cirrus 3503 Compact (rigid)	3.43 m/3.5 m

- With 3,000 l seed hopper – so very quick and manoeuvrable

Cirrus with single-chamber hopper

Model	Working width
Cirrus 4003 (rigid)	4.0 m
Cirrus 4003-2 (folding)	4.0 m
Cirrus 6003-2 (folding)	6.0 m

- With 3,600 l seed hopper – for more output

Cirrus-CC with twin-chamber hopper and single-shoot conveying system

Model	Working width
Cirrus 4003-C (rigid)	4.0 m
Cirrus 4003-2C (folding)	4.0 m
Cirrus 6003-2C (folding)	6.0 m

- With 4,000 l twin outlet pressurised hopper – for seed and fertiliser

Cirrus-CC with twin-chamber hopper and double-shoot second conveying system

Model	Working width
Cirrus 4003-CC (rigid)	4.0 m
Cirrus 4003-2CC (folding)	4.0 m
Cirrus 6003-2CC (folding)	6.0 m

- With 4,000 l twin outlet pressurised hopper – for seed and fertiliser

Cirrus Compact

The highly-manoeuvrable, trailed cultivator drills

Cirrus 3003 Compact

"The AMAZONE Cirrus 3003 Compact universal seed drill leaves a good impression. The handling of this compact machine was convincing. Many details, such as, for example, the TwinTerminal, the large tool box, access to the distributor head or the working depth indicator for the front cultivations discs ease the work load. However, even the fundaments, such as the quality of work, the paintwork and the 40 km/h permissible road speed need to be emphasised."

("profi" – Practice test Cirrus 3003 Compact · 04/2015)

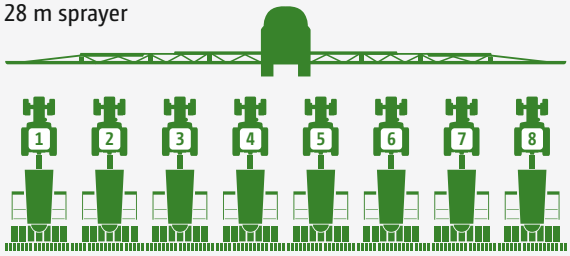
"As standard, the Cirrus is equipped with a very efficient air braking system – exemplary! However better still: equipped with this the machine is allowed, even with a full hopper tank, to travel at 40 km/h on the road."

("profi" – Practice test Cirrus 3003 Compact · 04/2015)

Cirrus 3003 and 3503 Compact Compact, easily manoeuvrable, fast

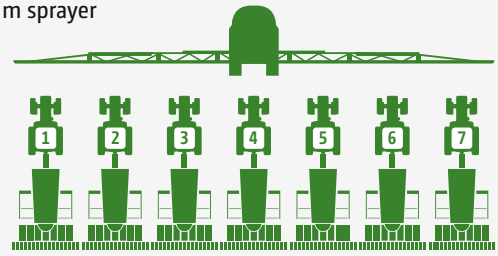
For smaller fields the Cirrus Compact models offer an atttractive option. With a 550 mm shorter axle position than on the wider Cirrus drills and in conjunction with its lower link mounting, tremendous manoeuvrability is achieved. So, even on tight headlands excellent work rates are possible. With its 3,000 l hopper capacity and the maximum speed of 40 km/h, the Cirrus Compact is ideal for farms which do not have any facility for in-field filling. In accordance with the relevant national traffic road regulations, the Cirrus is available with an unbraked axle, with dual-circuit air braking or with a hydraulic braking system.

28 m sprayer



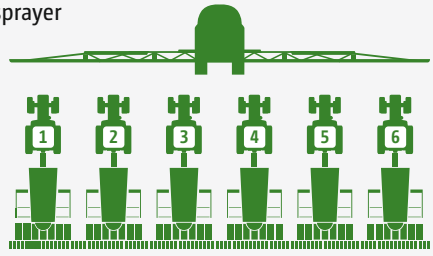
3.50 m seed drill: example of 28 m tramline system

24 m sprayer



3.43 m seed drill: example of 24 m tramline system

21 m sprayer



3.50 m seed drill: example of 21 m tramline system

Working widths of 3.43 m and 3.5 m

This seed drill, with a working width of 3.5 m, has been developed for countries or regions where a transport width of 3.5 m on the road is permissible. Of course, this machine also is a very interesting alternative for farms in a ring because this trailed sowing combination matches very well with 21 m and 28 m tramline systems. In addition, a working width of 3.43 m is available, so that, for example, a 7-bout tramline rhythm for 24 m can be achieved.

Cirrus 3503 Compact for farms that appreciate its efficiency and low pulling power

Cirrus

For maximum effectiveness and the highest precision

Cirrus 6003-2 with TwinTeC+

"The shape of the seed tube in the coulter was changed to place the seed even more precisely in the bottom of the furrow. This also functions very well – when the seeds were uncovered we did not find anything left on top. Almost all the seeds were left on the water-bearing seed furrow bottom."

(Traction magazine – working test AMAZONE Cirrus 6003-2 · 03/2015)

The Cirrus 4003-2C

"Especially for agricultural contractors the 40 km/h permit for road transport with a full hopper is very interesting."
(Traction magazine – working test AMAZONE Cirrus 6003-2 · 03/2015)

Cirrus 4003 and 4003-2 Compact, fast, universal

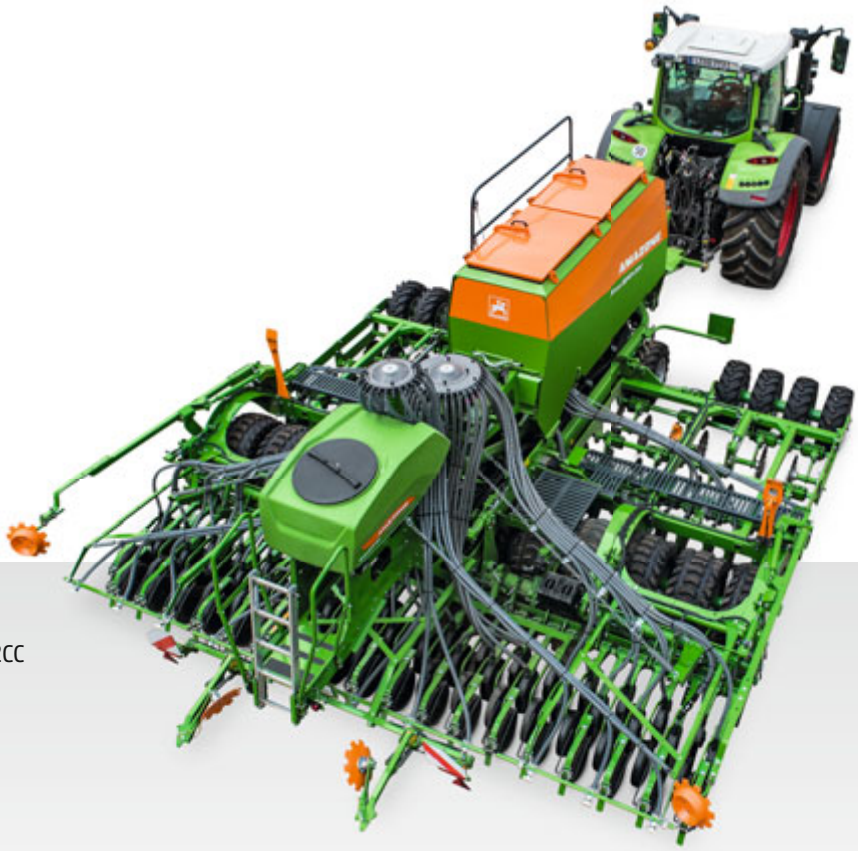
The trailed Cirrus sowing combination, with a working width of 4 m, is available in both a rigid or a folding version. The folding version folds for road transport down to a transport width of 3 m.

These 4 m versions are particularly suitable for medium-sized farms that require a large seed capacity and thus high work rates, and who already have on the fam as standard, tractors with a power rating of between 170 and 200 HP. This size of tractor is optimally suited for the Cirrus 4003 and 4003-2.

Cirrus 6003-2 for higher work rates

AMAZONE offers the folding Cirrus 6003-2 in 6 m working width for higher work rates and larger farms.

Cirrus versions, in greater than 4 m working width, are available with a single-outlet hopper in a 3,600 l volume or with a two-outlet, twin-chamber, 4,000 l hopper for simultaneous application of fertiliser and seed.



Cirrus 6003-2CC

Hopper

Good line of sight in the field and on the road

The optional quick-emptying device facilitates a quick change of seed

Advantageous centre of gravity

Large hopper capacities of up to 4,000 l reduce the refill times to a minimum. The hopper on the Cirrus has an optimally arranged centre of gravity and provides excellent visibility, in spite of its considerable size.

Advantages of the seed hopper:

- Advantageous centre of gravity
- Narrow tank provides good visibility
- Steep hopper walls ensure low residual volumes and optimal flow of the contents

Reliable operation

Sieves safely protect the user against unintentional injury as well as the metering system against foreign objects. The sieves can be quickly removed for cleaning purposes and are very handy as a storage place for carrying additional sacks of seed.

The benefits:

- Good accessibility via the front ladder or lateral loading board
- Simple calibration process
- Convenient quick-emptying device
- Roll-over cover or hopper lid for fast and safe closure

Comfortable filling

Steps ease climbing up and the safe loading platform with railing eases access to the seed hopper. The tank can be simply filled from small bags, big bags, via a filling auger on a trailer or a loading shovel. The simple to handle folding lid ensures the airtight closing of the hopper.

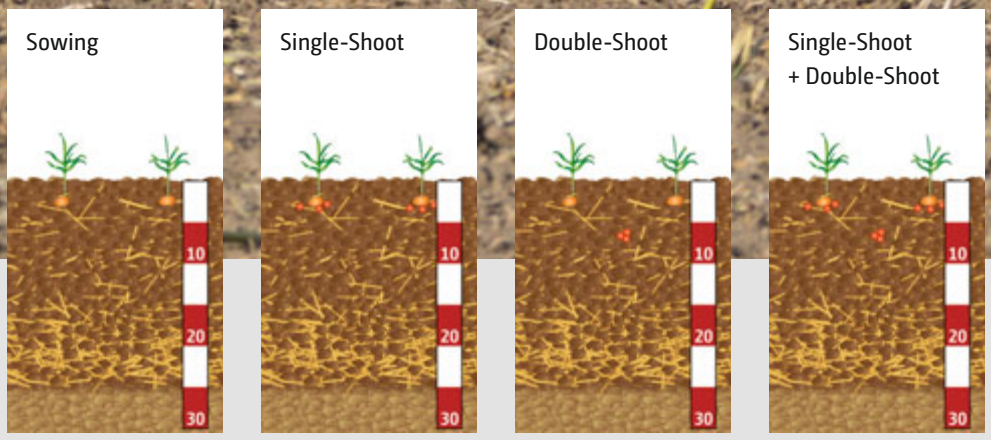
The large hopper opening allows very convenient filling of the hopper.

Filling auger

The optional, hydraulically swivelable filling auger provides a convenient solution for quickly filling the Cirrus. Easy swivelling of the filling auger allows for convenient loading from a trailer. The filling auger can be combined with all other equipment and provides a good overview during manoeuvring, due to the arrangement of the auger on the left side.

Flexible conveying system concepts

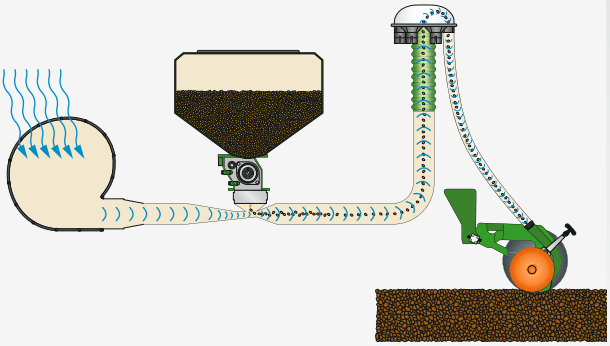
From a simple seed hopper to a twin-chamber hopper with split conveying system



The options are	Cirrus	Cirrus-C	Cirrus-CC	Cirrus-CC

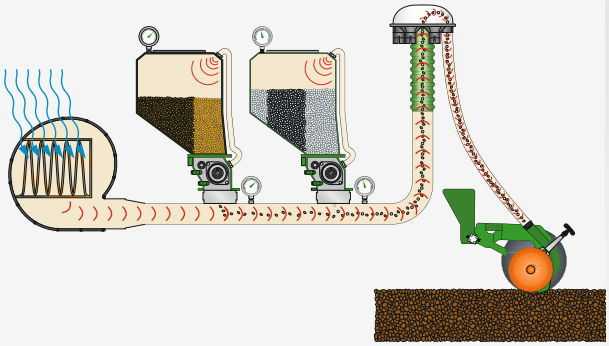
- Sowing with one seed type using the RoTeC pro coulter or the TwinTeC^{+} coulter
- Sowing of seed and fertiliser / second seed type in the same seed furrow using the single-shoot method
- Sowing of seed and fertiliser / second seed type in two different seed furrows using the double-shoot method
- Combination of single-shoot and double-shoot methods

Cirrus principle



Single-tip seed hopper for seed

Cirrus-C principle



Twin outlet pressurised hopper for seed and fertiliser

Cirrus with simple seed hopper

AMAZONE offers the Cirrus Compact and the Cirrus with a hopper capacity of 3,000 l to 3,600 l for the simple and effective sowing of just one crop.

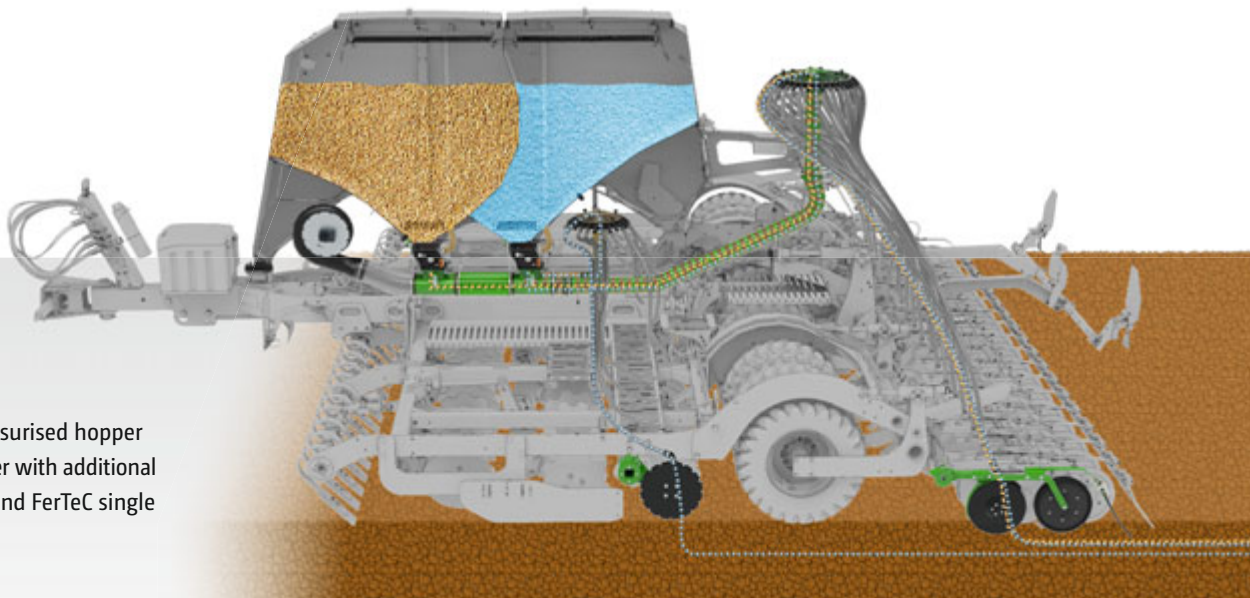
Cirrus-CC with twin-chamber hopper and single-shoot conveying system

In addition to the single-tip, open hopper version of the Cirrus, the Cirrus-C also offers a split twin-chamber hopper and an additional conveying system. If sowing also requires the simultaneous application of alternative materials such as fertiliser, the Cirrus-C, in 4 m to 6 m working widths, offers the option of metering two different materials at the same time. The Cirrus-C has a hopper capacity of 4,000 l with a 60:40 split. These machines sow the second crop or fertiliser directly with the seed in one furrow using the single-shoot method.

Cirrus-CC with twin-chamber hopper and double-shoot second conveying system

With the Cirrus-CC, AMAZONE is providing an additional Cirrus model with a conveying system concept that allows for the delivery of two different materials. The Cirrus-CC, as well as the Cirrus-C, has a twin-chamber hopper with 4,000 l hopper capacity and two independently operated, electrically-driven metering units. In addition to the level of equipment on the Cirrus-C, the Cirrus-CC has a separate metering unit and a FerTeC single disc coulter. Due to the additional FerTeC single disc counter, which is located in front of the tyre packer, the Cirrus-CC can sow two materials at different seed rates at the same time. This means that any possible sowing combination is possible from simple sowing, to double-shoot, to a combination of double-shoot and single-shoot with simultaneous single-shoot. The Cirrus-CC concept sets completely new standards in sowing technology.

Cirrus-CC principle

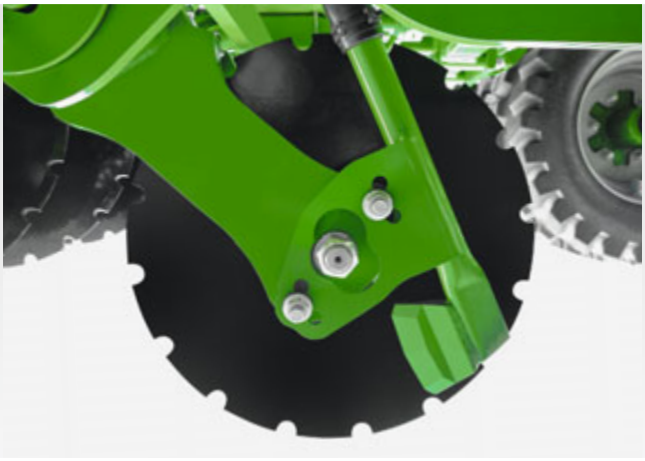


Twin-chamber pressurised hopper for seed and fertiliser with additional conveying system and FerTeC single disc coulters

The Cirrus-CC – an unmatched multi-talent

The Cirrus-CC

① Leading tyre packer
② Disc element
③ FerTeC single disc coulter
④ Matrix tyres
⑤ TwinTeC^{+} double disc coulter
⑥ Seed baffle plates for the GreenDrill
⑦ Seed hopper of the GreenDrill



FerTeC single disc coulter in front of the tyre packer

Stay flexible with maximum comfort!

The different combination options of the conveying system on the Cirrus-CC results in a multitude of arable farming options for the user. Separate placement makes it possible, for example, to bring out much larger amounts of fertiliser when sowing. Another interesting option is the combination of fertiliser delivery using the single-shoot and double-shoot method. It is possible, for example, to sow small amounts of fertiliser directly with the seed, which has a very strong impact on early development. In order to prevent damage due to acid burns, the remainder of the fertiliser can then be placed next to and below the seed row by an additional coulter.

If required, it is also possible to use the add-on GreenDrill 501 to meter and distribute a third crop.

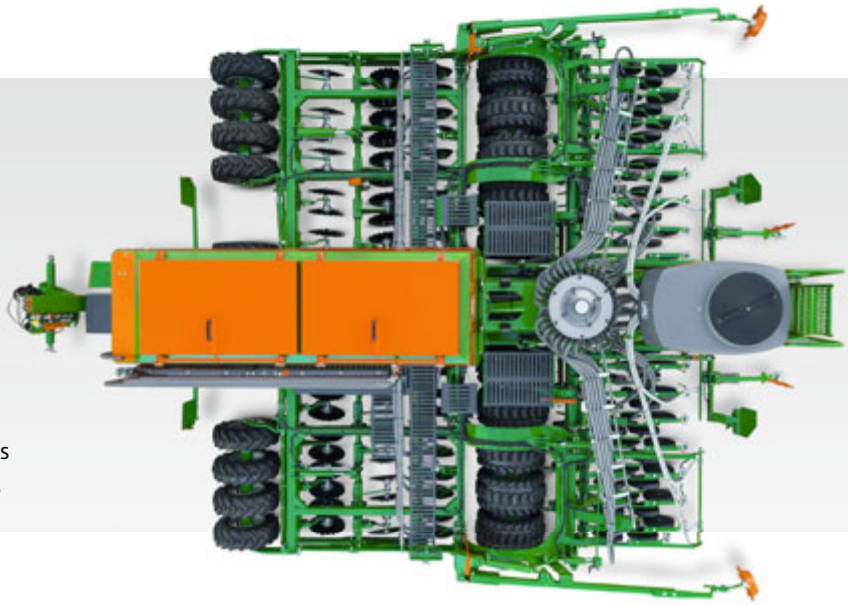
Benefits of the Cirrus-CC:

- Sowing with one seed type using the RoTeC pro coulter or the TwinTeC coulter
- Sowing of seed and fertiliser / second seed type in the same seed furrow using the single-shoot method
- Sowing of seed and fertiliser / second seed type in two different seed furrows using the double-shoot method
- Combination of single-shoot and double-shoot methods

The metering makes the difference

Simple, central and convenient adjustment. Perfect metering

Precise, full electric metering drive for Cirrus
Easy setting via the operator terminal and comfortable calibration



Very good accessibility on both sides using the safe pedestrian walkways

Accurate metering drive

The metering system is suitable for all seeds and sowing rates from 1.5 to 400 kg/ha. Over-sized metering cassettes produce a low peripheral speed protecting the seed from damage. Conversion from fine seeds to normal seeds is done in seconds by exchanging the metering cassettes. They can even be changed when the seed hopper Is full. The Cirrus is supplied as standard with three metering cassettes that are suitable for up to 95 % of all seeds. Other metering cassettes, for instance for maize or specialist crops, are also available.

✓ Metering cassettes for different seed types

20 ccm

For rape, stubble turnips, lucerne[2]

210 ccm

For barley, rye, wheat[1, 2]

600 ccm

Forr spelt, oats, wheat[1, 2]

7.5 ccm

For rape, linseed and poppy seed[1, 2]

120 ccm

For catch crops, maize and sunflowers

350 ccm

For fertiliser

660 ccm

For peas and beans

[1] Standard on Cirrus with working widths of up to 4 m
[2] Standard on Cirrus with working widths from 4 m

Comfort-Pack 1 with TwinTerminal 3.0

In order to make pre-metering, calibration and emptying of residual amounts even easier, AMAZONE offers Comfort-Pack 1 with TwinTerminal 3.0 for the Cirrus in conjunction with an ISOBUS terminal. The TwinTerminal is mounted directly on the seed drill next to the metering unit. This position offers a decisive benefit: The driver now can carry out the actuation and data input for the calibration procedure direcly at the machine and thus the repeated climbing up and down into the tractor is no longer necessary. The TwinTerminal 3.0 consists of a water and dustproof housing with a 3.2 inch display and four large operation keys.

! "A good idea also is the new secondary terminal which once again significantly simplifies and make safer the calibration procedure."
(Traction magazine – working test AMAZONE Cirrus 6003-2 · 03/2015)

! "For situations other than fine and normal seeds, such as grass seed, beans, peas and maize, different metering cassettes are available. Their exchange is simple as AMAZONE provides a tool for accessing the metering unit."
(Traction magazine – working test AMAZONE Cirrus 6003-2 · 03/2015)

! "Interaction with the TwinTerminal saves many walks to the cabin when calibrating."
("dlz agrar" magazine – Field test "Sowing quickly and with air" 07/2017)

Maximum flexibility

High flexibility with the segmented distribution head

The forward speed of the Cirrus can be sensed by a radar sensor, a GPS signal or, alternatively, by the tractor speed in order to regulate the metering process.

Segmented distributor head

The standard transport box offers a lot of space for all important tools and auxiliary devices

Segmented distributor head with electric half-side shut-off

The segmented distributor head provides huge flexibility for the pneumatic seed drill. With immediate effect, asymmetrical tramlines can be carried out without an undesirable seed rate reduction on the other half of the machine. The segmented distribution head facilitates the electric half-side shut-off. The half-side shut-off is located directly in the distribution head. In combination with Section Control or the GPS-Switch automated part-width section control by AMAZONE, the use of the half-side shut-off can lead to considerable savings, as overlaps and unsown areas are avoided.

The benefits:

- Electric half-side shut-off
- Reduction in overlap saves seed
- Minimising dust creation inside the seed hopper because no seed is rerouted

Hydraulic blower fan drive

The new high output blower fan is characterised by a low oil flow requirement of 21 l/min at 3,500 rpm as well as minimal noise generation.

Variable tramline control

With the aid of the tramline shut-offs, in total up to six seed rows per side can be switched off. Appropriately wider tramlines are suitable for the use of crop-care tractors. In this way, AMAZONE takes into account the demands due to wider and wider husbandry tractor tyres. Whilst shut off when tramlining, the seed rate is automatically reduced.

Seed tube monitoring

An additional useful assistance system is the optional seed tube monitoring which immediately detects blockages at the coulter and in the seed pipe. Directly behind the distributor head, sensors check the seed flow inside the seed tubes. The system automatically detects when the drill is tramlining. Especially during long working days, the monitoring is an elegant possibility to check the performance.

Maximum effectiveness

Seedbed preparation and sowing in just one pass

Sowing combination with 2-row disc element

The trailed seed drill combination with 2-row disc element shows its advantages. The disc element loosens, crumbles and levels the seedbed depending on the type of discs chosen immediately ahead of the seed placement. The working depth of the disc element can be adjusted on the move. Via a series of holes, the end discs can be adjusted individually to ensure a level finish between bouts.

Solo drilling at high work rates

The Cirrus is also available without a disc element to provide a high output solo drill. With all the technical benefits of the basic seed drill, the Cirrus without disc segment is a cost-effective alternative for solo sowing but still maintains the pre-drilling reconsolidation. In this specification as well, the optional Crushboard can be added.

The selection of the correct disc – coarse-serrated, fine-serrated or with cutting discs

Several options can be selected for the disc element: a cutting disc, a coarse-serrated disc and a fine-serrated disc.

Fine-serrated disc
On the other hand, the fine-serrated disc shows its strength more in shallow seedbed preparation. It provides more fine soil for an optimum seed embedment.

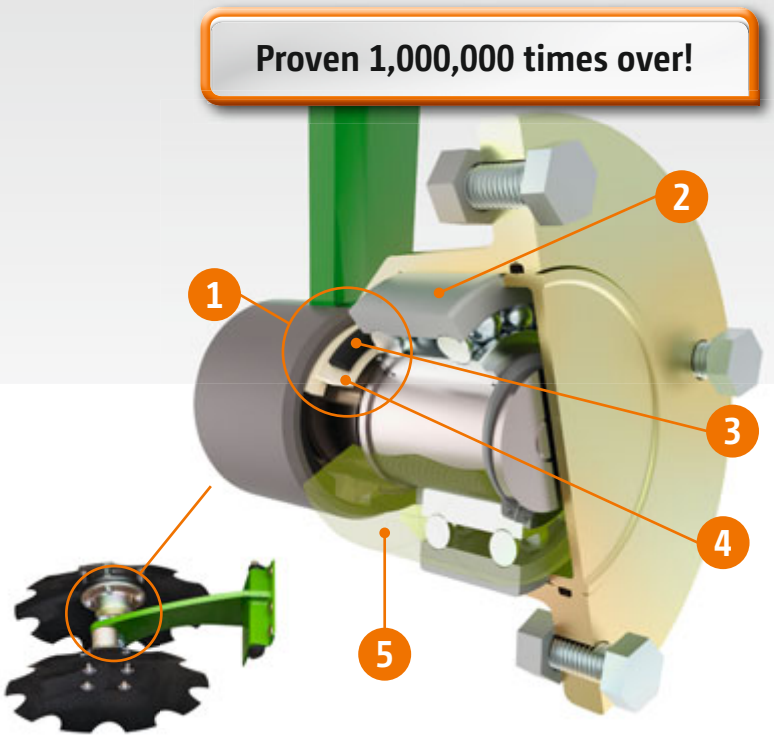
Coarse-serrated disc
The coarse-serrated disc is ideally suited to deeper seedbed preparation. Due to its profile, an especially aggressive incorporation, including the mulching of harvest residues, is achieved. A steep angle of attack for the discs ensures a particularly intense mixing.

Minimum TillDisc
The Minimum TillDisc is particularly suitable for strip-wise, water-conserving soil tillage. This method moves as little soil as possible.

Fine serrated disc
460 mm

Rough serrated disc
460 mm

Minimum TillDisc
460 mm



Cirrus slide seal

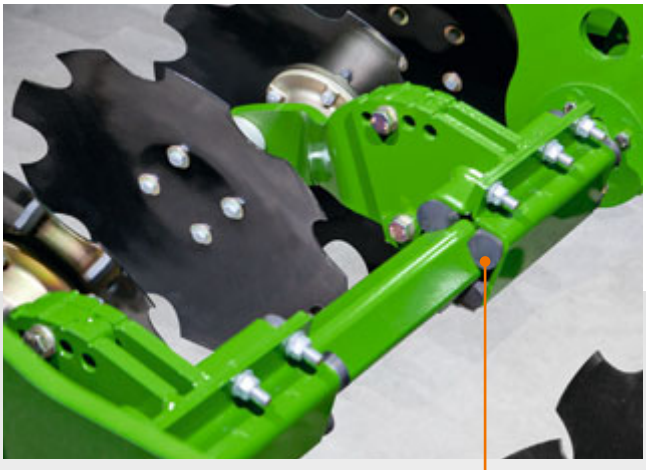
① Face seal built into conical seats
② 2-row angular contact ball bearing
③ 2 x O-rings
④ 2 x cast rings with face seal
⑤ SAE 90 gear oil filled (40 cm³)

Perfect bearing sealing

The combination of felt ring and extremely high quality face seals perfectly protect the 2-row angular contact ball bearing races. So, with one oil fill as lifelong lubrication, grease nipples are avoided. Thus, the maintenance time of the compact disc harrow element is substantially reduced. Face seals have been used in the construction industry for decades for sealing rollers and the running gear of track-laying vehicles and they are proven to work reliably under the hardest of operational conditions.

Rubber suspension elements – reliable and maintenance-free

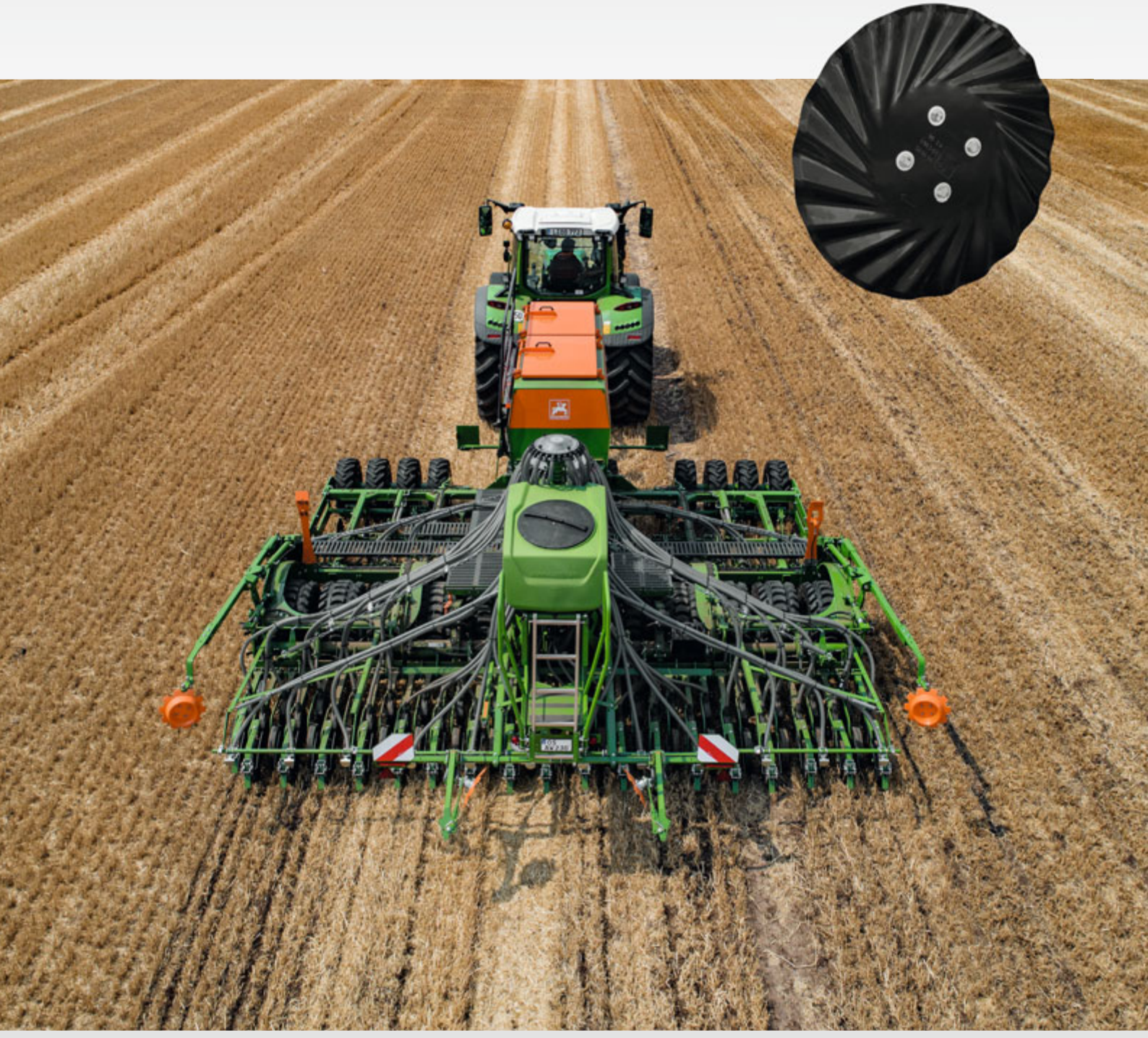
The disc system combines two discs mounted on one arm which is suspended via sprung rubber blocks and which optimally follows the ground contours. In addition, the rubber sprung buffers act as an overload safety device on stony soils. In this way, a safe, maintenance-free operation of the compact disc harrow system is ensured – and at a constant, even working depth.



Rubber suspension elements

Minimum TillDisc

Water-conserving strip till with cutting disc



Minimal, water-conserving soil tillage in strips with the Minimum TillDisc

The hydraulically-adjustable disc element, including the easily readable scale, ensures the easy handling of the disc element

Tillage in strips using the Minimum TillDisc cutting discs

Minimum TillDisc cutting disc

The Minimum TillDisc is particularly ideal for water-conserving and weed-reducing soil tillage. The amount of soil moved is minimised by using the discs in strips. It only loosens and cuts the area where the following sowing coulter runs to prevent any renewed germination of weeds. A further application is provided by adopting the disc setup in areas with higher resistance. This effect can also be used to create green bridges in the crop.

Water-conserving strip till

The use of the Minimum TillDisc in dry locations allows for water-conserving strip till, as only the strip immediately in front of the sowing coulters is worked. Under moist, sticky soil conditions, the Minimum TillDisc cutting disc element pulls up fewer clods to the surface than a normal disc element. Using the Minimum TillDisc also makes the Cirrus easier to pull, which has a positive effect on fuel consumption.

Advantages of the Minimum TillDisc:

- Water-conserving strip till
- Least possible soil movement
- Less clod formation
- Discs are very easy to pull

Cirrus 6003-2CC with Minimum TillDisc

So much more potential

For even better seedbed preparation

Crushboard

From choice, the Cirrus can be equipped with a Crushboard in front or behind the disc segment. If it is undulations that require levelling or hard clods that have to be broken, the Crushboard is in the right position in front of the discs. Under very light conditions the Crushboard, positioned behind the discs, can, in addition, help settle the earth flow. The reconsolidation will be even more uniform. For the Cirrus with Crushboard, the front tyre packer can also be specified.

Tractor wheel mark eradicators

When operating on compaction sensitive soils, and at a reduced working depth, the optional tractor wheel mark eradicators make sense. These loosen the compacted tracks behind the tractor tyres. The position of the wheel mark eradicators can be set horizontally and vertically. The special kinematics of the eradicator provides a constant spring force across the entire area of deflection. The wedge shares safely loosen yet, however, do not bring stones to the surface.

- Crushboard in front of the tyres – for distributing and settling the soil

Narrow share, diamond share and wing share

- Tractor wheel mark eradicators for loosening the compacted tracks

Packer

For even better reconsolidation

T-Pack U

The front T-Pack U intermediate axle packer rolls the area in the centre of the cultivation disc segment. In this way, the soil in front of the machine is again additionally reconsolidated which is of benefit on light soils.

The passively-steered T-Pack U can be utilised as an intermediate axle packer in the rear of the tractor or also, in solo operation, as a front packer.

T-Pack S

With the T-Pack S side packer, when using the Cirrus 4003-2/2C and 6003-2/2C under light to medium conditions or following the plough, the soil can be pre-rolled ahead of the disc segment, providing additional reconsolidation.

T-Pack IN

The pre-running packer concept on the Cirrus 4003-2/2C and 6003-2/2C can be supplemented by the T-Pack IN. This is mounted in the centre of the machine underneath the drawbar and in this way presses the area between the tractor wheels.

Chassis and reconsolidation

Matrix principle – the patented recipe for success

At the heart of the machine, and the guarantee of a uniform, quick field emergence, are the Matrix tyres. With dimensions of 400/55R17.5, these tyres feature a diameter of 880 mm and a width of 410 mm (wide enough for 4 seed rows at 12.5 cm spacing or 3 seed rows at 16.6 cm).

The combination of the big diameter, together with the profile, provides an easy rolling effect – and thus a reduced pulling power. This is a characteristic which is, above all, very important for trailed seed drills that are equipped with passive soil tillage tools and driven at fast forward speeds.

Matrix tyres

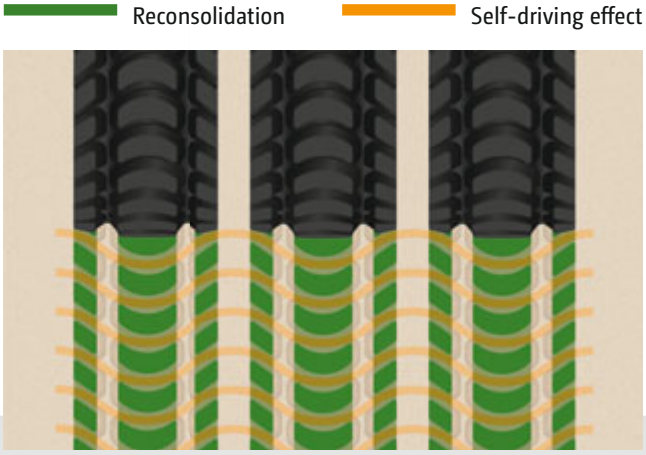
Reconsolidation in strips – for optimal growth conditions

The core purpose of the Matrix tyres is reconsolidation in strips. The heterogeneous soil conditions created by the tyres provide optimal growth conditions for all plants under all conditions.

Due to the radial design, with its higher deflection ability, the profile has a true soil contact across all the rows creating perfectly even growing conditions. Ridge levellers in between the rows, which are available as an option, provide an even operational performance and make sense especially on light soils.

Advantages of the Matrix tyres:

- Positive drive and an even turning effect
- Reconsolidation in strips
- Creation of a heterogeneous soil structure for optimal growth conditions
- More fine soil for covering the seed
- Very good self-cleaning of the tyres
- Optimised for fast road transport



Reconsolidation with Matrix tyres: Reconsolidation in strips using the Matrix tyre creates optimal soil conditions that adapt to the current weather conditions and therefore provide the basis for fast and even plant emergence. The tyres create a heterogeneous soil structure.

The rigid Cirrus 4003-C with the AS cross-ply tyre

AS cross-ply tyre – with minor compromises

As an alternative for regions which are less sensitive to germination conditions, the Cirrus can also be equipped with a simple AS cross-ply tyre of a similar dimension (15.0/55-17). The self-driving effect from its short cleats is very good and thus the machine is also easy to pull. This compromises however, the targeted reconsolidation, especially in dry years, as the AS tyres do not create the same seed/soil contact in comparison to the Matrix tyres.

Advantages of the AS cross-ply tyre:
- Positive drive and an even turning effect
- Cost-effective alternative

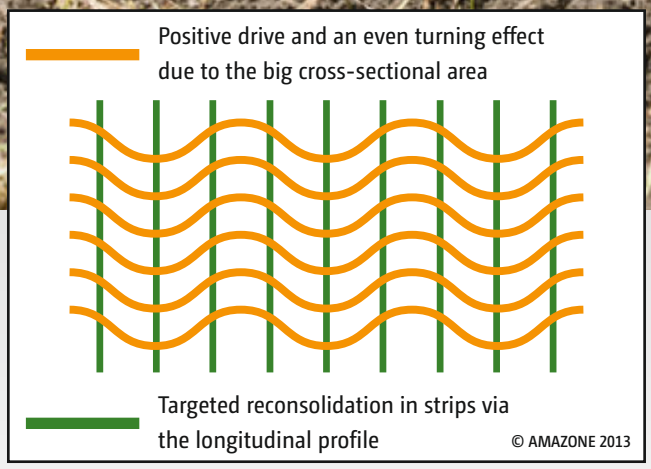
Reconsolidation Self-driving effect

Reconsolidation with AS tyres: Direct comparison with the Matrix tyres shows that the AS tyre has a clearly simpler working profile. It provides a simple alternative for less sensitive regions.

AS tyres

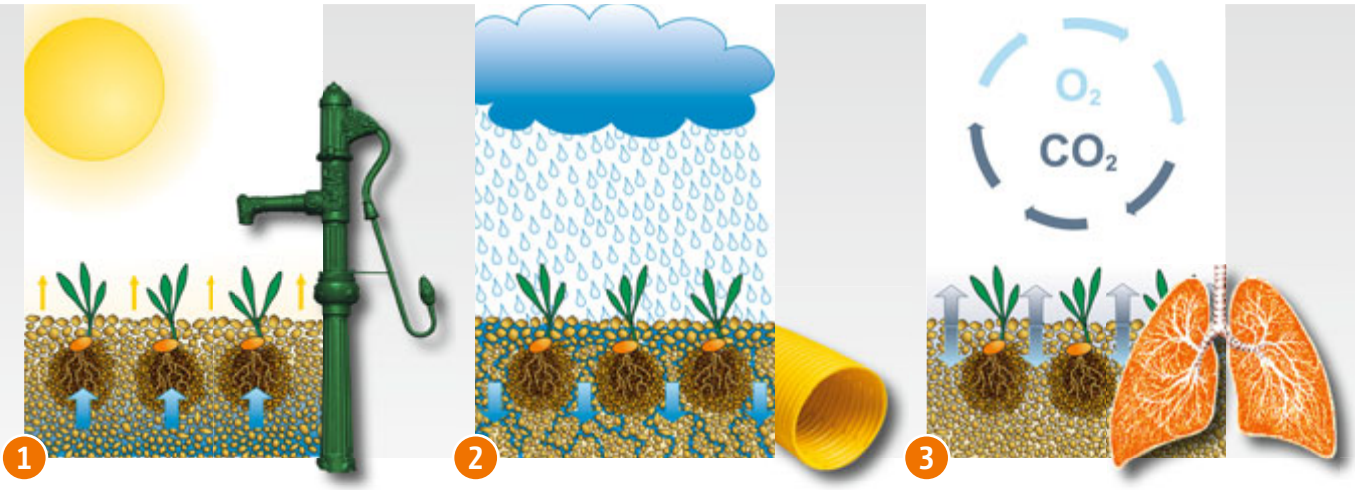
For the best results

Focused reconsolidation in stripes



"At 88 cm high and 41 cm wide, the Matrix tyres, compared with the 'old' wedge ring tyres are approximately 10 % higher which results, due to less sticking in clayey soils, in a reduced pulling power – great."

("profi" – Practice test Cirrus 3003 Compact · 04/2015)



Sowing insurance!

1) **In severe drought – principle of a water pump:**
The re-consolidated strips provide soil contact directly in the seed furrow. In this way, capillary water reaches the seedling even in dry weather. The re-consolidation in strips ensures that your soil woks as a water pump. Every drop counts!

2) **In much wetness – principle of drainage:**
The loose soil absorbs any rain well and stores it. Rain from heavy downpours simply soaks into the unrolled, loose areas and so soil erosion is prevented. In this case, your soil works like a drain. Even at heavy, wet soils there is enough loose soil available between the rows to cover the seed with loose soil.

3) **Gaseous exchange – the lungs principle:**
The loose soil also enables gases to be exchanged, so that the roots can breathe.

✔ Reconsolidation in strips

Due to the reconsolidation in strips, it is possible to create optimum soil conditions which match to the current weather conditions and thus ensures the precondition for quick and even plant growth. In addition, homogeneous and well reconsolidated strips without a cleat imprint are left. In comparison to rollers with an all-over profile, this is a decisive advantage which, above all, has an effect on the smooth running of the sowing coulters.

Row spacing 12.5 cm

Row spacing 16.6 cm

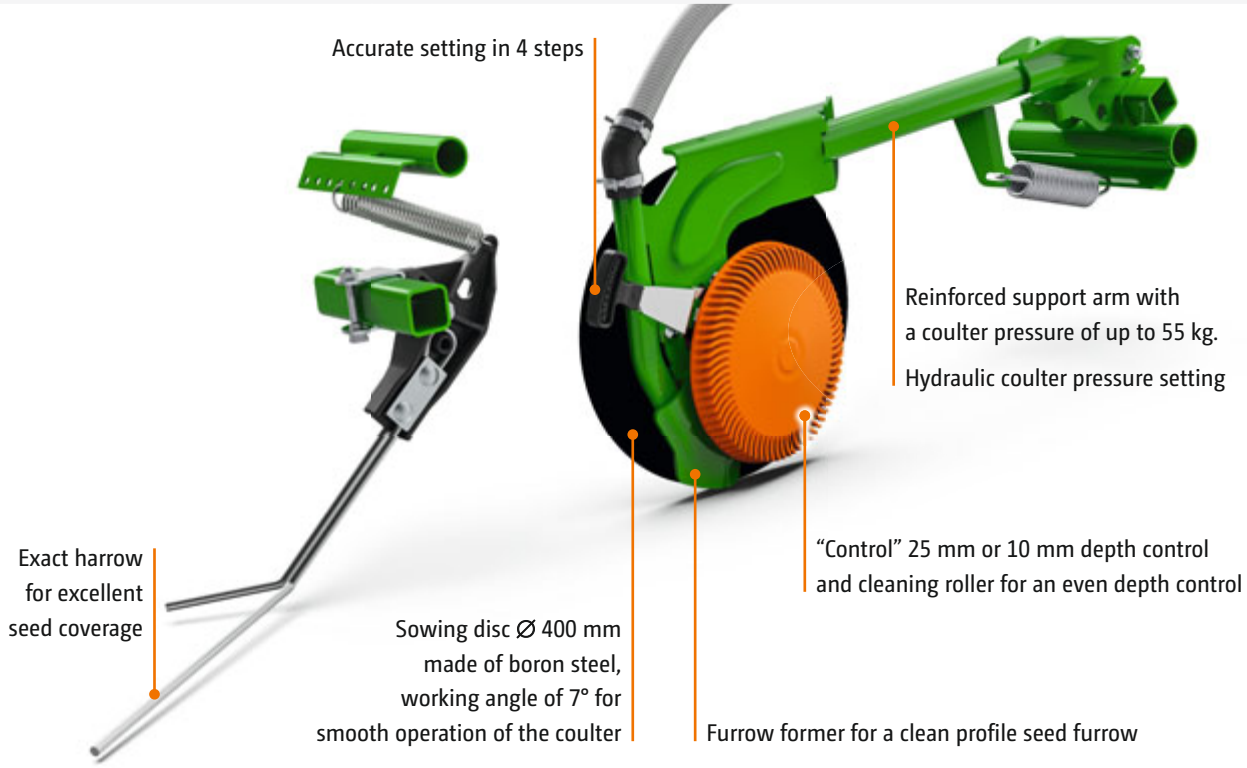
Plants at a row spacing of 12.5 cm

Plants at a row spacing of 16.6 cm

RoTeC pro coulter

The universally-usable single disc coulter

The RoTeC coulter system: tried and tested 1,500,000 times over!



Goes right up to the limit of practical operation and placement

With the RoTeC pro single disc coulter, the Cirrus shows its strength especially on sticky soils, no matter whether early or late in the year. Thanks to the depth guidance directly on the sowing disc, the coulter depth guidance and the recon-solidation via the harrow are completely decoupled from each other. The depth guidance disc and the depth guid-ance roller achieve in addition an excellent self-cleaning of the coulter. Thanks to these two benefits, a very flexible and precise application in virtually all weather conditions is possible.

Row spacings of 12.5 and 16.6 cm can be chosen.

Quality and reliability throughout:

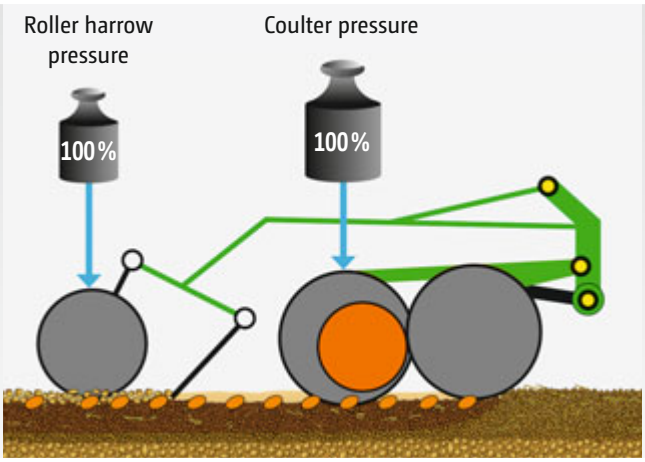
- Coulter discs made from high grade Boron steel for an even more prolonged service life
- Wear-resistant and self-cleaning Control 10 depth guidance discs and Control 25 depth guidance rollers for the exact adjustment of the placement depth
- The decoupling of coulter guidance and reconsolidation for a smoother coulter run and a universal response to the weather conditions

"The coulter pressure is adjusted between two fixed positions via a double acting valve – this same spool valve is also used to alter the working depth of the compact disc harrow. The choice of functions is done via the operator terminal which saves in the number of spool valves required."

("profi" – Practice test Cirrus 3003 Compact · 04/2015)

"At high forward speeds the coulter runs very smoothly in the soil: the sowing depth was very even."

("profi" – Practice test Cirrus 3003 Compact · 04/2015)



Decoupling of coulter and Roller harrow pressure

Sowing disc

The sowing disc is made from highly wear-resistant Boron steel and features a diameter of 400 mm. Thanks to the robust design, the wear is reduced to a minimum. Due to the large diameter of the sowing disc, the coulter runs very smoothly resulting in an excellent placement accuracy of the coulter system.

Coulter pressure adjustment

The coulter pressure is infinitely-variable with the adjustment being carried out hydraulically from the tractor cab and this serves to maintain an easy matching of the sowing depth and allows the quick adaptation to the prevailing soil conditions. RoTeC pro coulters can be operated with a coulter pressure of up to 55 kg.

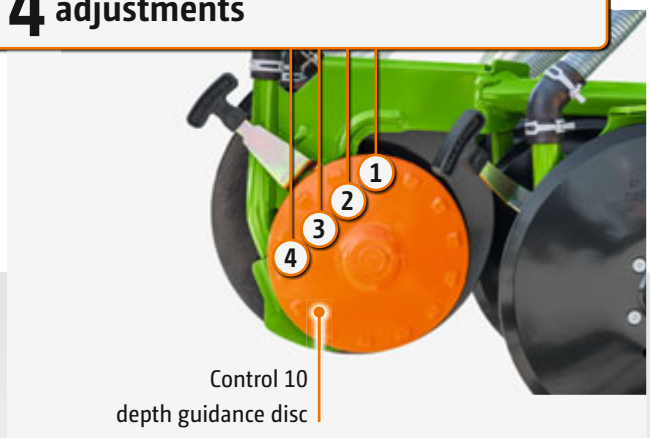
Furrow former

With the aid of the furrow former, the seed furrow is kept cleared out ensuring an optimum soil contact for the seed. Due to its flexible mounting, the furrow former rids itself of earth and trapped harvest residues.

Depth guidance

One of the unbeatable advantages of the RoTeC pro single disc coulter is that the reconsolidation is decoupled from the coulter depth control. This means that the coulter is raised only once when passing a stone. Furthermore, the coulter and roller pressure can be adjusted independently of each other. This very even and accurately controlled way of guiding the RoTeC pro single disc coulter is ensured by the Control 10 depth guidance roller, with its 10 mm wide contact area, or the Control 25 depth guidance roller, with its 25 mm wide contact area, directly on the coulter. The basic setting of the sowing depth takes place without tools and in 4 steps, directly on the coulter.

4 adjustments



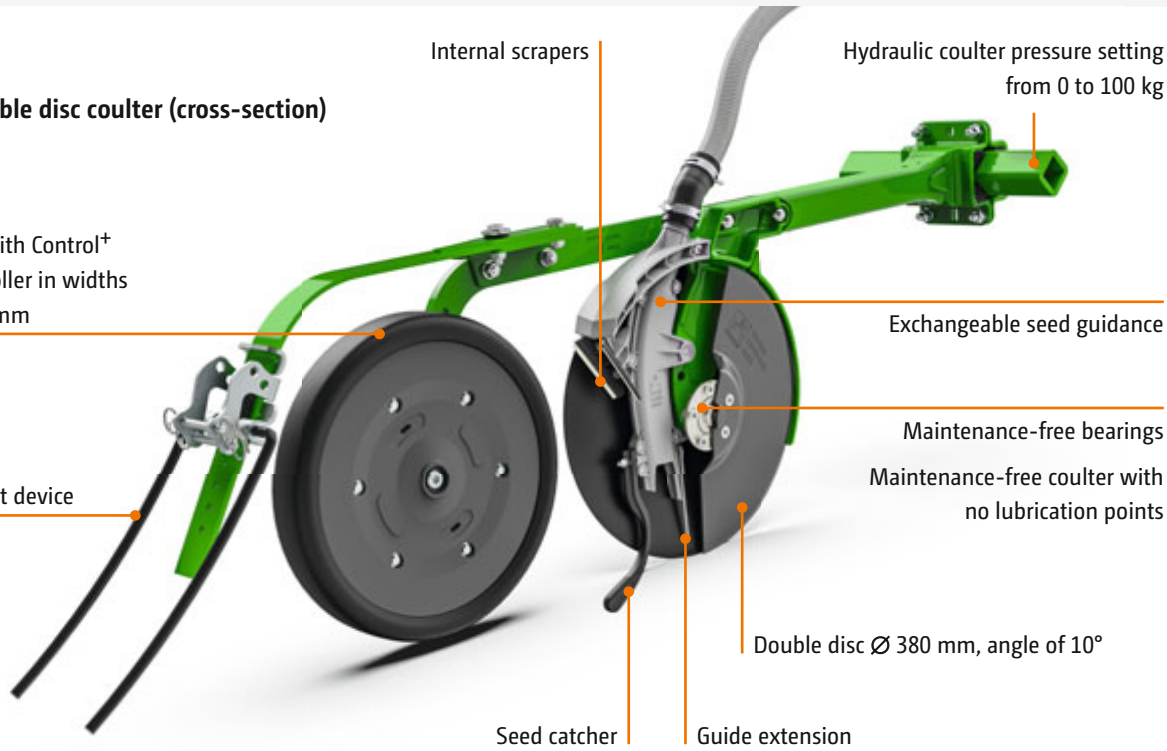
RoTeC pro coulter with Control 10 depth guidance disc

RoTeC pro coulter with Control 25 depth guidance roller
The cleats, open at the rear, provide a very good self-cleaning effect.

TwinTeC+ coulter

The high-output double disc coulter

TwinTeC+ double disc coulter (cross-section)



Smooth running, rugged and maintenance free

Using the high output TwinTeC+ coulter, AMAZONE equips the Cirrus with one of the most robust and most precise double disc coulters around. Thanks to its coulter pressure of up to 100 kg and its very good cutting performance, the TwinTeC+ double disc coulter also manages very well in hard and cloddy seedbed conditions. The basic body and the coulter bearing shell, made from forged steel, are equipped with sufficient reserves even under the most arduous of operating conditions. Due to the high coulter pressure of the TwinTeC+ double disc coulter, the sowing performance is very precise even under mulch sowing conditions with a very high proportion of organic matter in the seedbed. Thanks to the innovative coulter pressure adjustment via an oil circuit, the coulter pressure is maintained even in very hilly terrain so that the pre-set sowing depth is safely maintained.

The TwinTeC+ double disc coulter is completely maintenance-free and thus fulfils highest demands.

❗ "The technology behind the coulter leaves a very good impression, it offers great finesse."
("profi" – Driving report Cirrus 6003-2 with TwinTeC+ · 08/2016)

Cirrus 3003 Compact with TwinTeC+ double disc coulter

TwinTeC+ double disc coulter

The double discs

The sharpened, pre-tensioned discs with a 10° angle of attack ensure a good cutting performance of the coulter. The large 380 mm diameter discs ensure a smooth run. Thanks to the large coulter clearance of 190 mm and the connection to the depth guidance roller via the top-mounted coulter carrier, there remains sufficient space so that a blockage-free operation is possible.

Seed guidance

The guide extension and the seed catcher safely deliver the seed to the bottom of the furrow and prevent any bouncing out of the individual grains. The standard inner scraper, as an option also with hard metal plates, ensures the accurate operation even on sticky soils and noticeably increases the operational reliability.

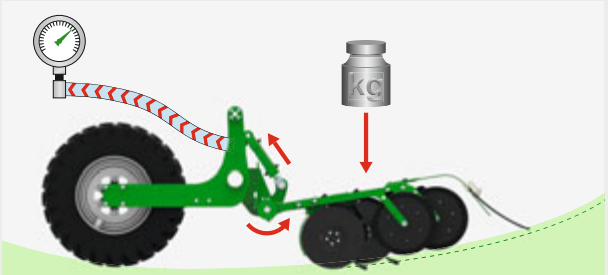
Depth guidance

The parallel-guided depth control rollers provide the safe maintenance of the sowing depth on each individual coulter. Control+ depth control rollers are available in widths of 50 mm, 65 mm and 75 mm. This means that the working performance of the machine is ensured on any soils from the lightest, sand with poor carrying ability up to heaviest clay. Optional scrapers on the depth guidance roller ensure the even guidance of the coulter even under moist conditions.

"15 to 100 kg [coulter pressure] per row is possible. And even this is dynamic."
("profi" – Driving report Cirrus 6003-2 with TwinTeC+ · 08/2016)

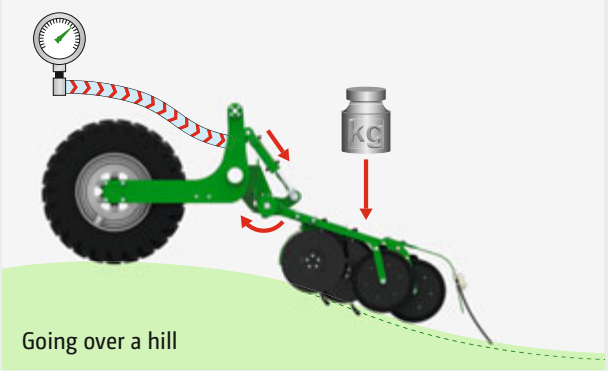
TwinTeC+ coulter pressure

Setting the coulter pressure via the ISOBUS terminal is standard. The coulter reliably maintains the pressure selected. This is of special benefit when sowing shallow in very hilly terrain.



Passing through a hollow

Hollow: When passing through a hollow, the coulters are additionally pushed against the ground. This causes an overpressure in the coulter pressure cylinder which is directly returned to the oil circuit. The coulter pressure is maintained.



Going over a hill

Hill: When passing a hilltop the coulters are lowered resulting in an underpressure in the coulter pressure cylinder which is immediately compensated with additional oil from the circuit. The coulter pressure remains constant.

The following harrow

Seed coverage, seed embedment

Cirrus 3003 Compact with RoTeC pro coulters and Roller harrow

"The Exact harrow S completes the seed embedment. Its 15 mm thick, cranked tines, which are suspended in pairs, fully overlap. So, with this setup, its performance cannot be faulted. We also liked the back-up protection and the hydraulic pressure adjustment."

("profi" – Practice test Cirrus 3003 Compact · 04/2015)

Exact S following harrow

Exact S following harrow in combination with RoTeC pro

The Exact S following harrow works blockage-free, even with large amounts of straw. Individual, swivel-mounted harrow elements allow it to adapt to uneven ground and achieve even seed coverage. The Exact harrow is particularly useful when sowing under less than optimal conditions, e.g. on moist or heavy ground. The Exact harrow, with its 15 mm thick tines, is particularly low-wearing and ensures reliable seed coverage even under the most difficult of operating conditions.

The harrow pressure is adjusted mechanically by pre-tensioning the harrow springs. When equipped with the optional hydraulic harrow pressure adjustment, locating pins predetermine the minimum and maximum settings. So, the harrow pressure and the coulter pressure can be simultaneously matched to changing soils via just one tractor spool valve whilst on the move.

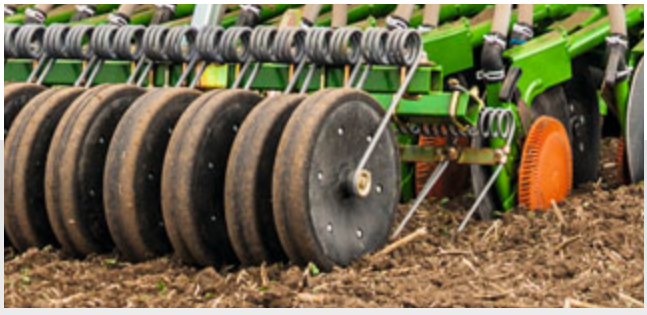
HD Roller harrow in combination with RoTeC pro

After the seed row has been closed by the HD Roller harrow, the soil above the seed furrow is additionally pressed resulting in optimum germination conditions. This is recommended especially for light, dry soils when sowing spring crops or rape. An undulating surface profile that reduces erosion is the result. Thanks to the hardening process of the harrow tines, these feature a particularly high longevity. This means that the special advantage is that the pressure per roller can be set between 0 and 35 kg per roller, completely independently of the coulter pressure.

Coulter harrow on the TwinTeC^{+} coulter

The optionally available coulter harrow provides additional loose soil above the furrow. This is especially helpful on heavy soils in sloping terrain to prevent capping and the formation of water run-off channels. In addition, any prevailing straw is distributed. In cases where the harrow is not required, then it can be swung up into its parking position.

❗ "The 12 mm individual harrows can be adjusted to three different angles without tools."
(profi – Test report Cirrus 6003-2 with TwinTeC^{+} · 08/2016)



Roller harrow

Coulter harrow

ISOBUS –

Machine operation in the digital age

MEMBER OF AEF

One language, many benefits!

AMAZONE offers state-of-the-art technology with virtually unlimited possibilities with every ISOBUS-compatible machine. It makes no difference whether you use an operator terminal by AMAZONE or an existing ISOBUS terminal in your tractor. ISOBUS indicates a global standard for communication between the operator terminal, tractors and connected implements, on the one hand, and agricultural office software on the other.

Operation with a wide variety of ISOBUS terminals

This means that you can control all your ISOBUS-compatible equipment using a single terminal. You only have to connect the machinery to the respective ISOBUS terminal and the usual operator interface appears on the monitor in your tractor cab.

Benefits of ISOBUS:

- International standardisation provides uniform interfaces and data formats, meaning that compatibility with other vendors is ensured
- Plug and Play between machine, tractor and additional ISOBUS implements

AMAZONE – more than just ISOBUS

Improved control, more yield! Precision Farming 4.0

Our competence in electronics

To increase the operational comfort, AMAZONE implements and operator terminals feature a function scope beyond ISOBUS standards.

The benefits of more than just ISOBUS:

- Highest compatibility and safety function of your ISOBUS equipment
- No additional modules on the machine side. All ISOBUS machinery from AMAZONE is already equipped as standard with the necessary ISOBUS functions.
- MiniView display with all AMAZONE terminals and additional ISOBUS terminals. See, for instance, the machine data in the GPS view.
- The possibility using the tractor terminal or in a twin terminal solution to separate the functionalities of tractor and connected implement.
- Unique operation concept. Freely-configurable displays and individual user interfaces in the operator terminal.
- Up to 3 user profiles are possible. Establish for every driver or operation an individual user profile!
- Freely-configurable machine operation as, for instance, the folding procedure of the booms of your AMAZONE crop protection sprayer.
- Intelligent tractor-ECU function evaluation. Automatic motion sequence detection such as the automatic locking of a steering axle when reversing.
- Integrated TaskController data logger. As a matter of principle, every ISOBUS telemetry solution is possible (for example, TONI telemetry from CLAAS).
- Freely-configurable part width sections

Make full use of the possibilities

Job management and documentation

All ISOBUS terminals by AMAZONE can record and save both machine data and location-based data via the Task Controller, as standard. The collected data can then be used in your Farm Management Information System.

- Create or load jobs with ease
- Processing jobs
- Document and export the work done
- Processing of application maps in an ISO-XML format

GPS-Maps

GPS-Maps enables uncomplicated part-area site specific management because this software module provides easy use of application maps in a Shape file format. Here, either the required rate of the actual material to be spread or also the required active ingredient rate can be directly processed.

- Intuitive system to process application maps
- Automatic part-area, site specific regulation of the application rate
- Optimum crop management via need-oriented application
- Equipped as standard for AmaTron 4 and AmaPad 2

GPS-Track

The GPS-Track parallel steering aid proves to be an enormous aid for orientation in the field, especially also on grassland or fields without tramlines. It features various track modes such as A-B line and contour line driving. The deviation from the ideal line is graphically displayed via an integrated light bar. Thanks to the clear steering recommendations with exact tramline distances you always remain in the track.

- With a virtual light bar in the status line
- Equipped as standard for AmaPad 2
- Optional for AmaTron 4

GPS-Track –
your parallel driving aid
in the field

GPS-Maps –
part-area,
site specific application

agrirouter –

The independent data hub for agriculture

Simple and secure data exchange

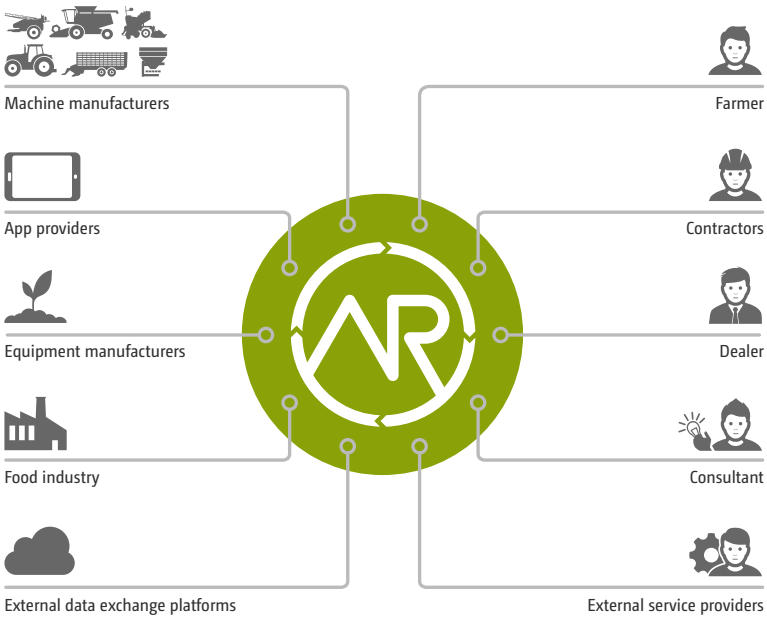
AMAZONE opens the way to universal data exchange by means of the manufacturer-independent agrirouter. The agrirouter enables data to be exchanged between AMAZONE machinery, agricultural software, manufacturers and companies both securely and without any complications.

Full control – Decide for yourself!

The agrirouter simplifies data exchange by allowing job data and application maps to be exchanged wirelessly with AMAZONE machines. This simplifies operational procedures, reduces administration time and improves efficiency. In this respect, you are the only one who has data sovereignty and can decide who receives which data and to what extent.

Benefits of the agrirouter:

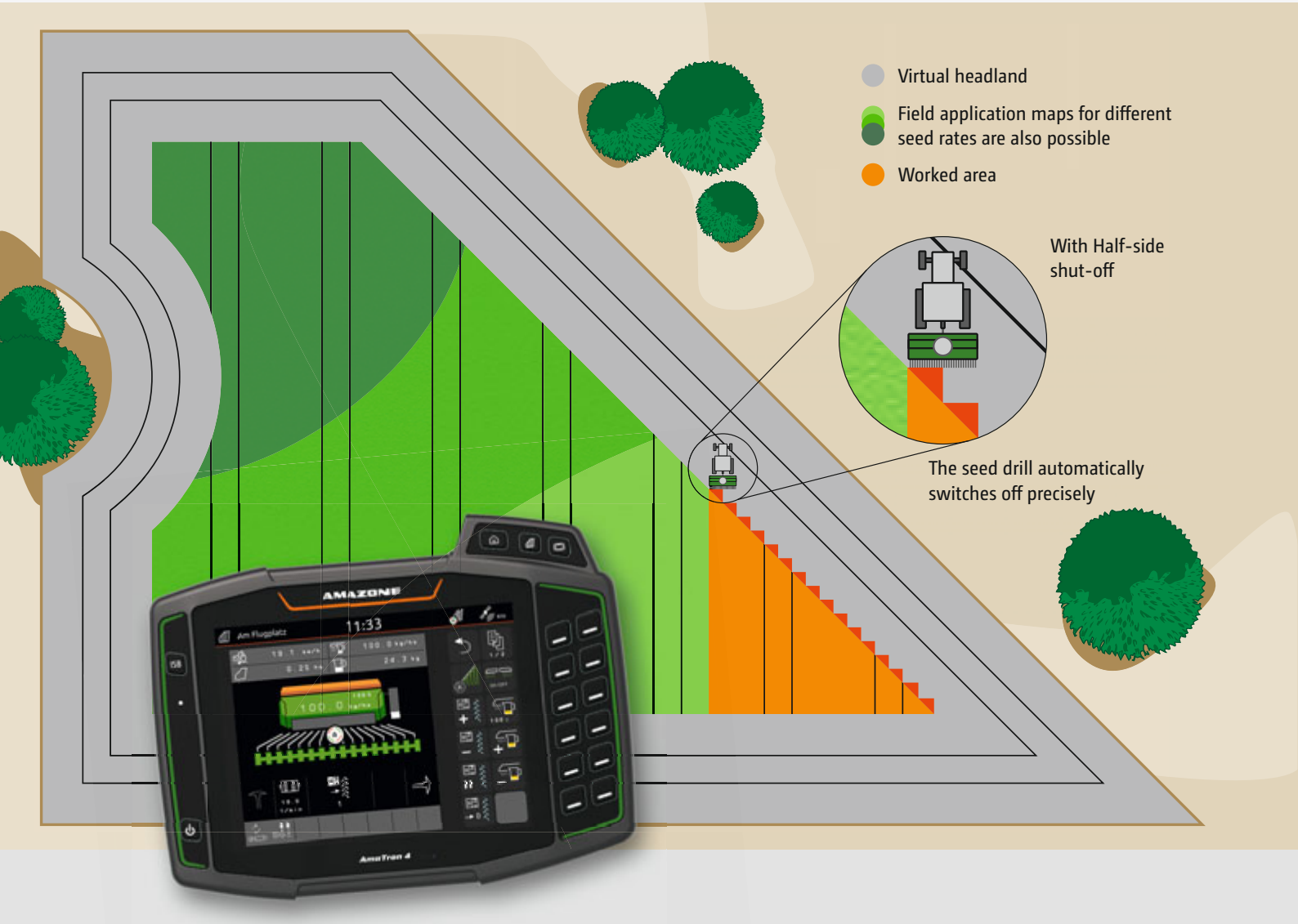
- Uncomplicated and easy handling
- Convenient and high-speed transmission
- Full control of your data
- Data is transported, not stored
- Manufacturer-independent use



Source DKE-Data GmbH & Co. KG

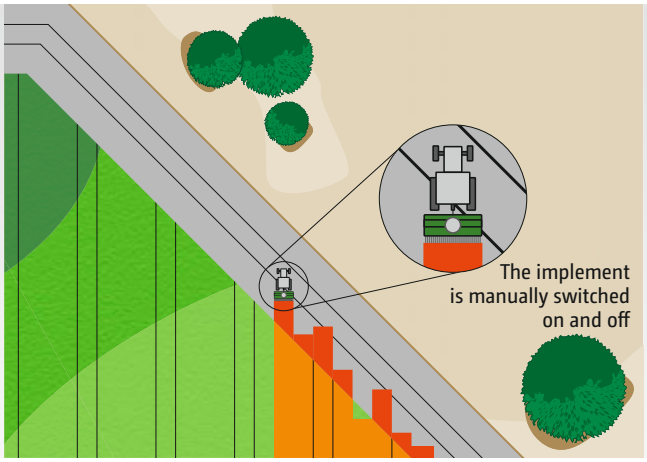
AMAZONE implements the connection to the ISOBUS machinery via the AmaTron 4

Automatic GPS-Switch part-area shut-off with AutoPoint

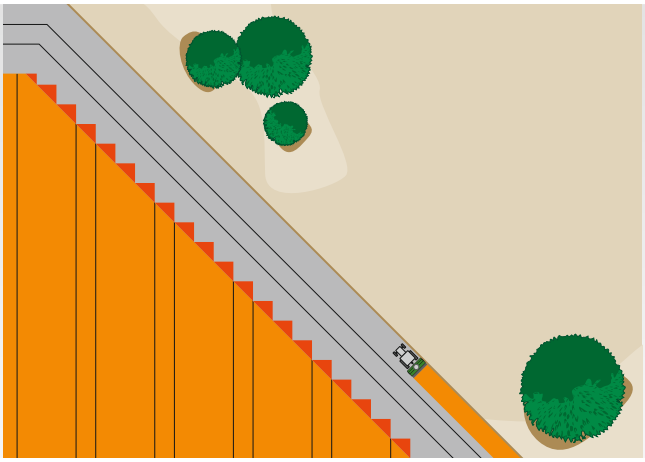


Accurate placement of the seed

To avoid the over and under sowing in critical areas that often occurs in practice, precise sowing is very important. The remedy for the accurate placement is offered by the half-side control which reduces the relevant working width to half so that, especially in short-work and on the headland, a significant saving is achieved. The two halves of the drill each correspond to one controllable part-width section.



Over or under-sowing with manual on/off control without GPS-Switch



Position dependent, automatic control, both on and off, of the electric metering unit via GPS-Switch

Automatic part-width section control

If the terminal to be operated features Section Control, such as, for example, GPS-Switch part-width section control from AMAZONE, the switching of the part-width sections can be carried out completely automatically and in relation to the GPS position. Once a field has been established by the driver, then, in the automatic mode, they can fully concentrate on handling the vehicle whilst the switching of the part-width sections in wedges and on the headland is carried out automatically.

Benefits of the automatic part-width section control:

- Stress relief on the driver
- Increase in precision especially at night or at higher speeds
- Less overlaps and gaps
- Saving of resources
- Less crop damage and environmental impact

"With Section Control, the ISOBUS terminal takes over much of the work from the driver."
("dlz agrar magazine" – test report ZA-TS fertiliser spreader · 02/2017)

GPS-Switch

With GPS-Switch, AMAZONE offers a GPS-based, fully automatic, part-width section control for all AMAZONE operator terminals and ISOBUS compatible fertiliser spreaders, crop protection sprayers or seed drills.

GPS-Switch basic

- Automatic part-width section control of up to 16 part-width sections
- Optional for AmaTron 4

GPS-Switch pro

- Automatic part-width section control for up to 128 part width sections
- Creation of a virtual headland
- Creation of Point of Interests (POI)
- Automatic boom lowering on an AMAZONE crop protection sprayer
- Equipped as standard for AmaPad 2
- Optional for AmaTron 4

GPS-Switch with AutoPoint

The new AutoPoint system automatically determines the delay time, i.e. the time between the start and end of metering, and the flow characteristics of the seed at the coulter. The seed flow at the coulter is permanently monitored for each switching point via a sensor on the coulter. Changes in the flow characteristics of the seed and changes in the driving behaviour can therefore be reacted to.

Sensor for registering seed flow at the sowing coulter

ISOBUS terminals from AMAZONE

Intuitive, comfortable, better – workday made easy

From simple to high-tech – everything is possible

With the ISOBUS-compatible AmaTron 4 and the AmaPad 2, AMAZONE offers two extremely convenient operator terminals for your ISOBUS machinery. In addition to the pure machine operation, even more application possibilities are available, such as, for example, the automatic GPS-Switch (Section Control) part-width section control.

- All applications come pre-installed and can be initially tested free of charge.
- Intuitive and clear actuation

Everything in view with the 2 terminal solution

In addition to the possibility of operating the AMAZONE ISOBUS machinery via the tractor terminal, there is the practical alternative of separating the functions of the tractor and the connected implement and operating them via two terminals. The tractor terminal can continue to control the tractor or also display the GPS applications whereas the additional operator terminal in its UT display mode is fully utilised to monitor and control the machine.

Terminal	AmaTron 4	AmaPad 2
Display	8" multi-touch colour display	12.1" multi-touch colour display
Operation	Touch and 12 soft keys	Touch
Interfaces	1 x Ethernet 2 x RS232 (GPS & ASD) 2x USB interfaces	1 x Ethernet 2 x RS232 (GPS & ASD) 2x USB interfaces with WLAN stick
Job management and processing of application maps (ISO-XML and Shape)	GPS-Maps&Doc with integrated Task Controller	Task Controller
Parallel steering aid	GPS-Track * with virtual light bar	GPS-Track pro with virtual light bar
Automatic track guidance	–	GPS-Track Auto for the Pantera self-propelled crop protection sprayer
Automatic part-width section shut-off (Section Control) Note: Bear in mind the max. no. of part-width sections of the implement!	GPS-Switch basic * with up to 16 part-width sections or GPS-Switch pro * with up to 128 part-width sections	GPS-Switch pro with up to 128 part-width sections
Camera connection	1x camera connection * with AmaCam automatic reversing detection	2x camera connections *

* = optional

All from a single source!

Thanks to the AUX-N feature, you can operate multiple functions of the machine via AmaPilot+ or any other ISOBUS multi-function joystick.

The benefits of AmaPilot+:

- Perfect ergonomics
- Almost every function directly controlled via 3 levels
- Adjustable palm rest
- Freely-programmable, individual key layout

"The joystick rest comfortably in the hand."
("dlz agrar magazine"– Test report Pantera 4502 · 02/2016)

"The ISOBUS control is an in-house development from AMAZONE and has been designed clearly and is easily understandable. If desired, some keys can be freely allocated. Also the multi-function display can be freely selected."
("agrarheute" magazine – test report Centaya seed drill · 06/2018)

AmaTron 4

Manager 4 all

Simple and convenient operation as intuitive as your tablet

Why not handle a terminal as intuitively like a tablet or a smartphone? With this in mind AMAZONE has developed the highly intuitive and operator-friendly AmaTron 4 which offers a noticeably smoother operational process, especially when it comes to job management. AmaTron 4, with its 8" multi-touch colour display, meets the highest demands and offers you maximum user-friendliness. Via a finger swipe or via the App carousel, one quickly gets from application to application and to the clearly and simply structured operator terminal. The practical MiniView, a freely configurable status bar and an integrated light bar make the AmaTron 4 exceptionally easy and convenient to use.

Benefits of AmaTron 4:

- Automatic full screen mode when not being touched
- Practical MiniView concept
- Operation via touch display or via soft keys
- Especially intuitive and user-friendly
- Field-related documentation
- Practice-oriented and intelligent menu navigation
- Day-night mode

Equipped as standard with:

GPS-Maps&Doc

- The AmaCam automatic reversing detection system provides direct access to the reversing camera and prevents dangerous situations
- Machine operation (UT, Universal Terminal) in day and night mode

AmaPad 2

An especially comfortable method of controlling agricultural machinery

The new dimension of control and monitoring

With AmaPad 2, AMAZONE offers an especially high performance operator terminal. The 12.1" multi-touch colour display is particularly comfortable and fulfils the highest demands on Precision Farming. The operation of AmaPad is carried out solely via touch.

With the practical “MiniView concept”, applications which aren’t being actively operated at that moment but need to be monitored are clearly displayed at the side. If needs be, these can be enlarged by “fingertip” widening. The possibility of individualising a “dashboard panel” with the displays of choice rounds up the user ergonomics.

In addition to GPS-Switch pro, part-width section control with GPS-Track pro also a professional parallel steering aid with integrated light bar is installed as standard.

Benefits of AmaPad 2:

- Large 12.1" multi-touch colour display
- Expanded MiniView concept
- Upgrade to automatic steering is possible thanks to the automatic GPS-Track Auto track guidance
- Day-night mode

Equipped as standard with:

GPS-Maps pro
GPS-Track pro
GPS-Switch pro

GreenDrill 501

Universal catch crop seeder box with 500 l hopper capacity

- Baffle plates

GreenDrill 501 on Cirrus 6003-2C:
suitable for companion crops or slug pellets

Comfortable, flexible and precise

The GreenDrill seeder box is the ideal solution for sowing catch crops or the under-sowing of a secondary crop in just one operational pass. The GreenDrill seed hopper, which is safely accessed via steps has a capacity of 500 l. The distribution of the seed across the entire area is achieved by baffle plates in front of the harrow or by seed pipes between the coulters.

Benefits of GreenDrill:

- Sowing catch crops and fine seeds simultaneously with stubble cultivation or soil tillage
- Various metering cassettes available
- Wide-area distribution using baffle plates or seed pipes between the coulters
- Easily filling via access steps
- Machine control via ISOBUS interface

Machine control via ISOBUS

Control of the GreenDrill can be achieved in various ways, depending on the machine onto which the GreenDrill has been mounted. For example, if the GreenDrill 501 is mounted on a Cirrus, it is an “ISOBUS participant” and, as such, is fully integrated into the electronic system of the Cirrus. The GreenDrill is shown in the controls of the machine operating section of the terminal as a second or third seed hopper with metering unit.

Accurate electrical metering

The metering of the seed is carried out by an electrically-driven metering unit. The electric drive facilitates easy setting of the seed rate using the ISOBUS terminal in the tractor cab. Alternatively, the electric drive can also be controlled fully automatically using application maps. It is furthermore possible to calibrate the system at the push of a button and to do pre-metering in field corners.

- Fully integrated operation of the GreenDrill 501 using the AmaTron 4 ISOBUS terminal

Easy exchange of the metering rollers

Judgement in practice

The Cirrus 4003-C in operation

A Cirrus 4003-C, equipped with a Crushboard before the Matrix tyre packer and a GreenDrill 500, provides reliable service at the Jensen family farm in Denmark

Cash crop farm banks on AMAZONE technology

“High work rates at the right time”

Since 2018, the Jensen family have managed their 400 ha sized farm near Aarhus with a Cirrus 4003-C. The cash crop farm grows mainly winter rape, winter wheat, spring barley and legumes for green manuring and improving the soil structure. On their predominantly light-soil sites, the Jensens harvest on average 9 t/ha wheat, 7 t/ha spring barley and 4 t/ha winter rape.

In addition to practising inversion primary soil tillage, a Catros compact disc harrow and a straw harrow are used. The Jensens carry out crop care at a 28 m working width using an AMAZONE ZA-TS 2700 fertiliser spreader and a trailed AMAZONE UX 4200 crop protection sprayer. The lately acquired Cirrus 4003-C trailed seed drill combination perfectly supplements the strong fleet, in particular with its impressive effectiveness. “The increased work rate of the new Cirrus 4003-C ensures that even more of the work can be completed on time. This helps in establishing even and robust crops already from sowing,” explained Ryom Jensen.

Operation:	Jensen Farm
Focus:	cash crop farming
Location:	Randers Aarhus/Baltic Sea Coast Denmark
Climate:	precipitation 605 mm/year
Area:	400 ha
Soil type:	Mainly light soils
Machine in work:	Cirrus 4003-C trailer combination

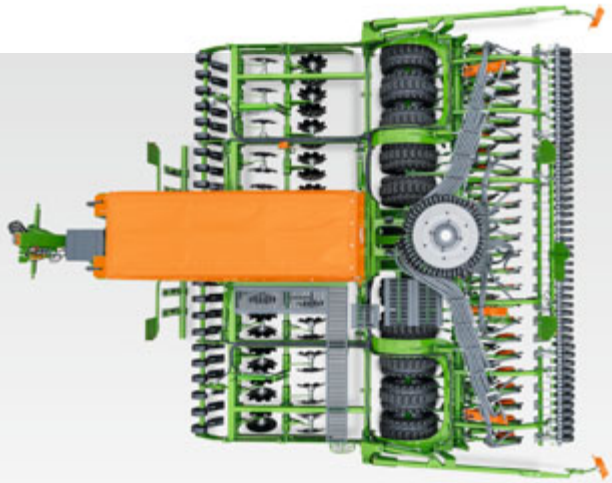
The Jensens appreciate the good handling on narrow, curvy roads, as they have many small fields and the machine must therefore do a lot of road work. Kim Ryom Jensen was satisfied that the Cirrus drives very safely, due to the compact design and the two large pairs of wheels with enormous braking power.

The high work rates ensure that the work can be completed on time

Kim Ryom Jensen with his father in front of the AMAZONE Cirrus 4003-C

Technical data:

Cirrus trailed cultivator drill



Cirrus 6003-2

	Cirrus 3003 Compact	Cirrus 3503 Compact	Cirrus 4003	Cirrus 4003-C	Cirrus 4003-CC	Cirrus 4003-2	Cirrus 4003-2C	Cirrus 4003-2CC	Cirrus 6003-2	Cirrus 6003-2C	Cirrus 6003-2CC
Coulter system	RoTeC pro/ TwinTeC+	RoTeC pro				RoTeC pro/TwinTeC+					
Row spacing (cm)	RoTeC pro 12,5/16,6/TwinTeC+ 12,5/16,6										
Operational speed (km/h)	RoTeC pro 8–16/TwinTeC+ 10–20										
Working width (m)	3.00	3.50/3.43	4.00						6.00		
Transport width (m)	3.00	3.50	4.00			3.00					
Transport length (m)*	6.96/ 7.10**	6.96	7.78			8.10/8.20**					
Transport height (m)	3.16		3.25			3.16	3.55		3.84		
Execution	rigid					folding					
Power requirement (kW/HP)	90/120	105/140	120/160						164/220		
Hopper capacity (l) ¹ Twin outlet pressurised hopper seed/ fertiliser hopper (l)	3,000		3,600	4,000¹		3,600	4,000¹		3,600	4,000¹	
Filling height (m)	2.90			2.80		2.90	2.80		2.90	3.00	
Filling width (m)	1.90		2.60	2 x 1.25		2.60	2 x 1.25		2.60	2 x 1.25	
Filling depth (m)	0.80			0.70		0.80	0.70		0.80	0.70	
Linkage	Lower link cross shaft Cat. 3/4N/4										
Basic weight from (kg)	3,600	4,000	4,200		4,700	6,300		6,900	7,500		8,300
Transport running gear	integrated										
Number of Matrix/AS tyres	6	7	8						12		

*by the extension of the telescopic drawbar the transport length can vary.

**TwinTeC+

Illustrations, content and technical data are not binding! Technical data may deviate according to the level of equipment.
Machine illustrations can vary due to country-specific traffic legislation.

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