



AMAZONE

Trailed seed drill ***Citan***

Fertiliser Delivery Cart ***FDC***



Citan trailed seed drill

in working widths from 8 m to 15 m



Due to its easy pulling and working widths of 8 m to 15 m, the Citan trailed seed drill easily gets over the acres. With its 4,600 l or 7,800 l hopper capacities the Citan provides farmers with enormous efficiency, ideal for use on large farms with short sowing time frames. In addition, the Citan-C, with a working width of 12 m or 15 m, has a 3-section pressurised tank which can also be used to place fertiliser in the seed furrow.



Citan

Easy to pull, precise and highly efficient!

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Citan 12001-C



INTERACTIVE DRIVER TRAINING
www.amazone.net/smartlearning

Trailed seed drills

Citan

4,600 l

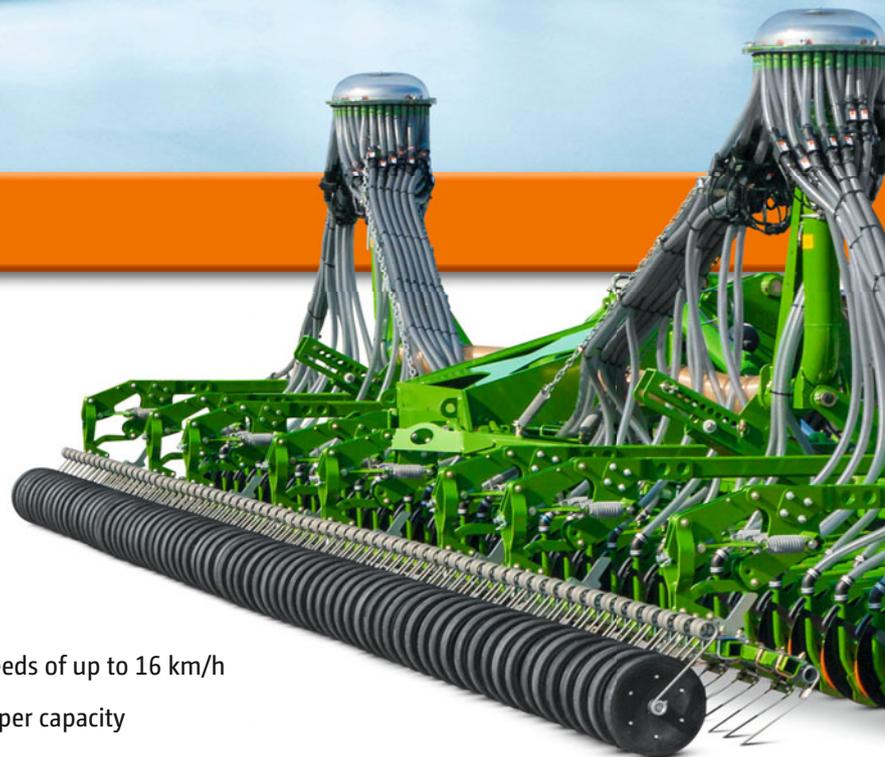
Seed hopper

8 and 9 m working widths

Up to

16 km/h

Working speed



The advantages at a glance:

- ⊕ Minimal fuel consumption due to the low pulling power requirement
- ⊕ High outputs and work rates with high working speeds of up to 16 km/h
- ⊕ Quick turn-round times owing to the generous hopper capacity
- ⊕ Clearly arranged and comfortable centralised machine settings
- ⊕ High field germination and maximum longevity with the RoTeC pro single disc coulter

Additional advantages of the Citan-C:

- ⊕ Simultaneous application of three seed types
- ⊕ Excellent crop development thanks to starter fertilisation in the seed furrow with single-shoot
- ⊕ Flexible use with existing ISOBUS terminals possible

Trailed seed drills

Citan-C

7,800 l multi-chamber hopper
for **seed + fertiliser**

All Citan models with a

transport width of just 3 m

12 and 15 m
Working width



MORE INFORMATION
www.amazone.net/citan

PURE efficiency

At the optimum time with the Citan solo seed drill



No matter, whether conventional or mulch sowing – always quick in work

At working speeds of up to 16 km/h, the Citan trailed seed drill impresses with its high acreage outputs and yet perfect seed placement. The working width of up to 15 m enables the Citan to achieve work rates of up to 15 ha/h.

Fast and effective – not only on the field

The change between transport position (3 m transport width) and being folded out into the working position (up to 15 m working width) is quick and reliable. Equipped with air braking, the Citan is a quick on the road with a permissible speed of 40 km/h.*

* Please be aware of national road traffic regulations!

Comfort comes up trumps!



Comfortable settings centre on the front left-hand side

A special feature of the Citan is the comfortable settings centre at the front of the machine. With the large manometers on the front of the Citan, all the important hydraulic functions and the internal tank pressure are always in view.

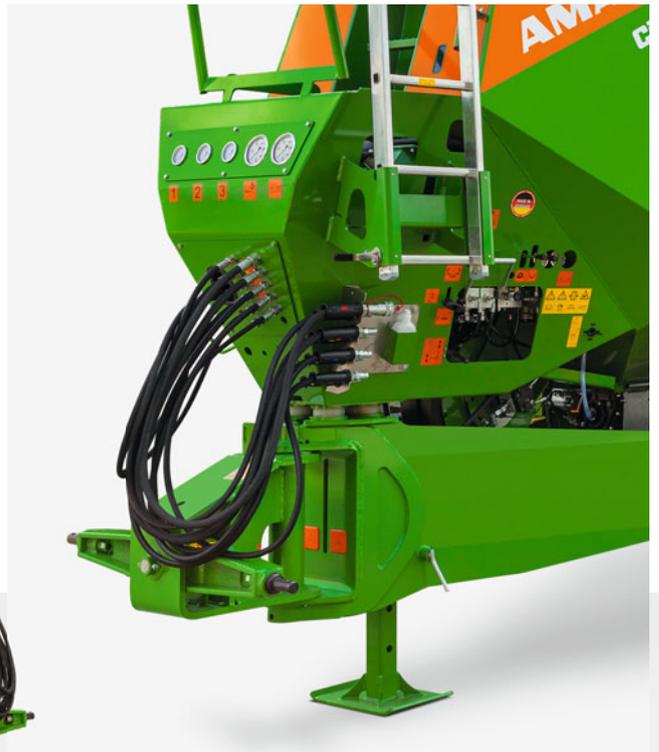
The benefits

- ✔ Extremely comfortable machine setting on the front left-hand side of the machine
- ✔ Safe access via a sturdy aluminium ladder and large platform
- ✔ Integrated hand wash tank and soap dispenser
- ✔ Practical hose rail for storing the hydraulic hoses

Optimally located hopper – convenient and fast filling

The seed hopper is placed right at the front of the drawbar which transfers additional weight to the tractor's rear axle. This improves traction. The 4,600 l (Citan) or 7,800 l (Citan-C) seed hopper can be easily filled from big bags, front end loaders or transfer trailers.

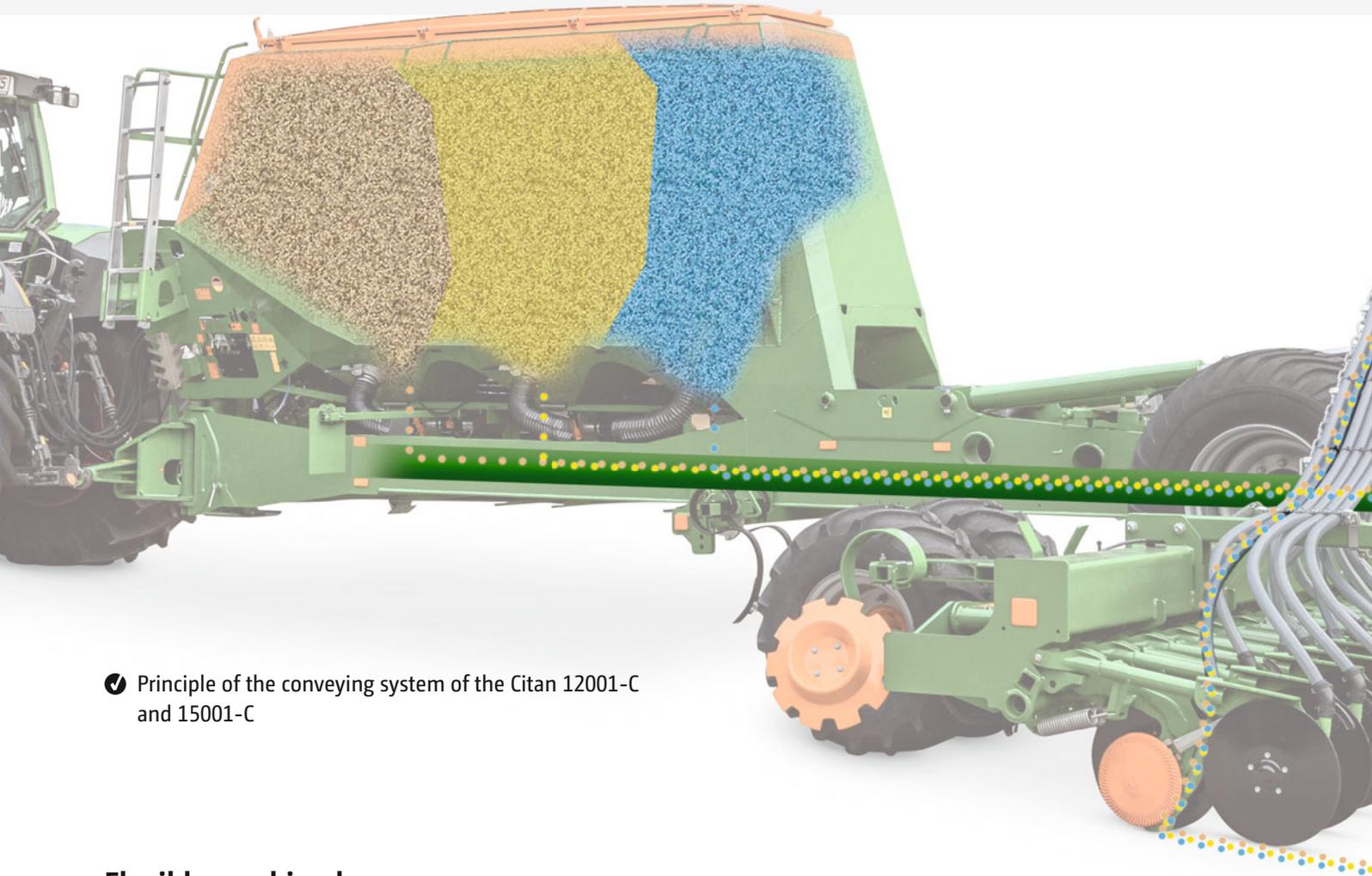
In addition, a robust aluminium ladder and a large platform provide safe access to the hopper for easy filling.



The Citan 12001-C with new settings centre

Citan-C

with 3-section pressurised hopper for seed and fertiliser or a combination of seed types

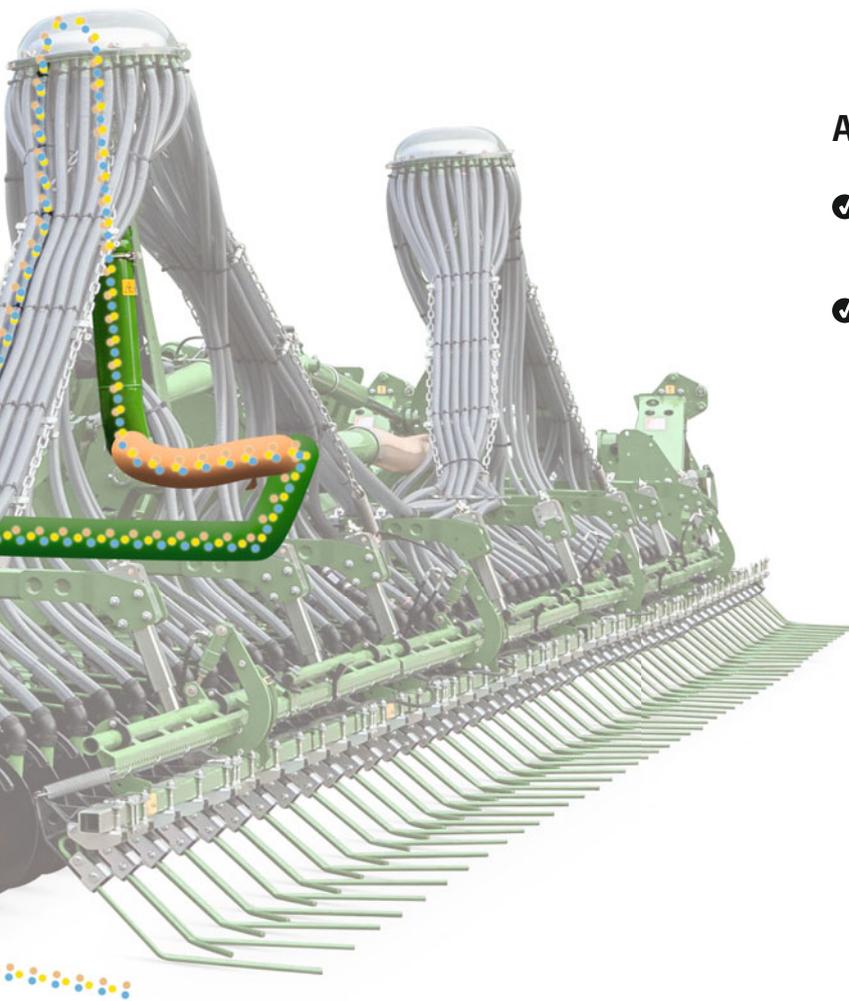


- ✔ Principle of the conveying system of the Citan 12001-C and 15001-C

Flexibly combined

The Citan 12001-C and 15001-C offer the option of placing fertiliser or a second seed type as a companion plant/undersown crop in the seed furrow together with the seed.

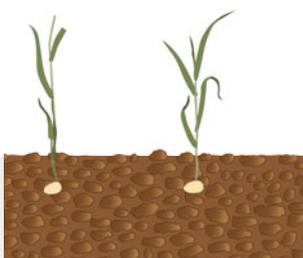
The hopper is divided into 3 sections and can be flexibly combined. If division of the tank is not required, it can be completely filled with just one seed type.



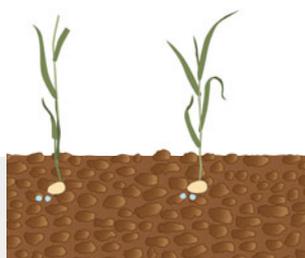
Advantages of single-shoot:

- ✔ Direct placement of fertiliser near the grain for good starter fertilisation or the ready availability of immobile nutrients
- ✔ Companion crops for plant and yield protection

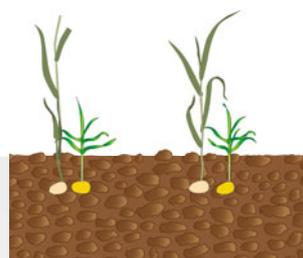
The options:



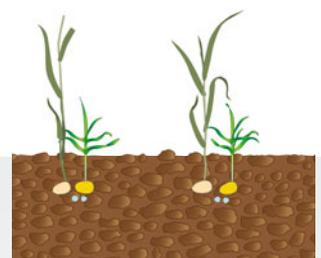
Seed only



Single-shoot:
sowing seed
with fertiliser
at one placement depth



Single-shoot:
sowing two seed types at one
placement depth



Single-shoot:
sowing two seed types
with fertiliser at one
placement depth

The right drive system

Metering drive – mechanical or electric

The mechanically or electrically driven metering system guarantees a precise and uniform seed flow at seed rates ranging from 2 to 400 kg/ha, depending on the working speed. The three metering cassettes supplied as standard cover up to 95 % of all seeds. Additional cassettes are available, for instance, for maize or specialist crops.

The benefits:

- ✔ Easy exchange of the metering cassettes
- ✔ Calibration kit included as standard
- ✔ Simple emptying of residual amounts via the separate outlet

Mechanical metering drive – reliable and tried-and-tested

The mechanical land wheel drive is a reliable but simple and cost-effective solution for the Citan. The large diameter land wheel ensures an even, uninterrupted drive of the metering system.

Metering cassettes for different seed types

Supplied as standard:



20 ccm
e.g. for rape, stubble turnips, lucerne



210 ccm
e.g. for barley, rye, wheat



600 ccm
e.g. for spelt, oats, wheat

Other metering cassettes to choose from:



7.5 ccm
For rape, linseed and poppies



120 ccm
For green manure, maize and sunflowers



350 ccm
For fertiliser



660 ccm
For peas and beans

Maximum operational comfort

Citan-C with the electric metering drive

Electric metering drive – ready for precision farming!

The electrically-driven metering enables easy adjustment of the seed rate from the tractor cab, pre-metering in field corners and calibration at the touch of a button.

The metering can even be provided automatically on a part-area, site-specific basis via application maps in the Citan-C with ISOBUS. The calibration can be easily carried out on the machine via the TwinTerminal.

The benefits:

- ✔ Easy adjustment of the seed rate from the tractor cab. Also, an alternative, automatically seed rate control on a part-area, site-specific basis via application maps
- ✔ Easy calibration possible via TwinTerminal directly on the machine (only for Citan-C)



- ✔ Precise electrical metering drive
Easy setting via the operator terminal and comfortable calibration

High operating comfort – Comfort-Pack 1 with TwinTerminal 3.0

AMAZONE offers Comfort-Pack 1, with its TwinTerminal 3.0, for the Citan-C with electric metering drive, in order to further simplify calibration and residue emptying. The small, additional TwinTerminal mounted directly on the machine offers a key advantage: the driver can now carry out the calibration and data input directly on the machine and no longer has to repeatedly get on and off the tractor.

The TwinTerminal 3.0 consists of a water and dust proof housing with a 3.2" display and four large keys for actuation.

The benefits:

- ✔ Easy calibration via the TwinTerminal without having to repeatedly get off and on the tractor



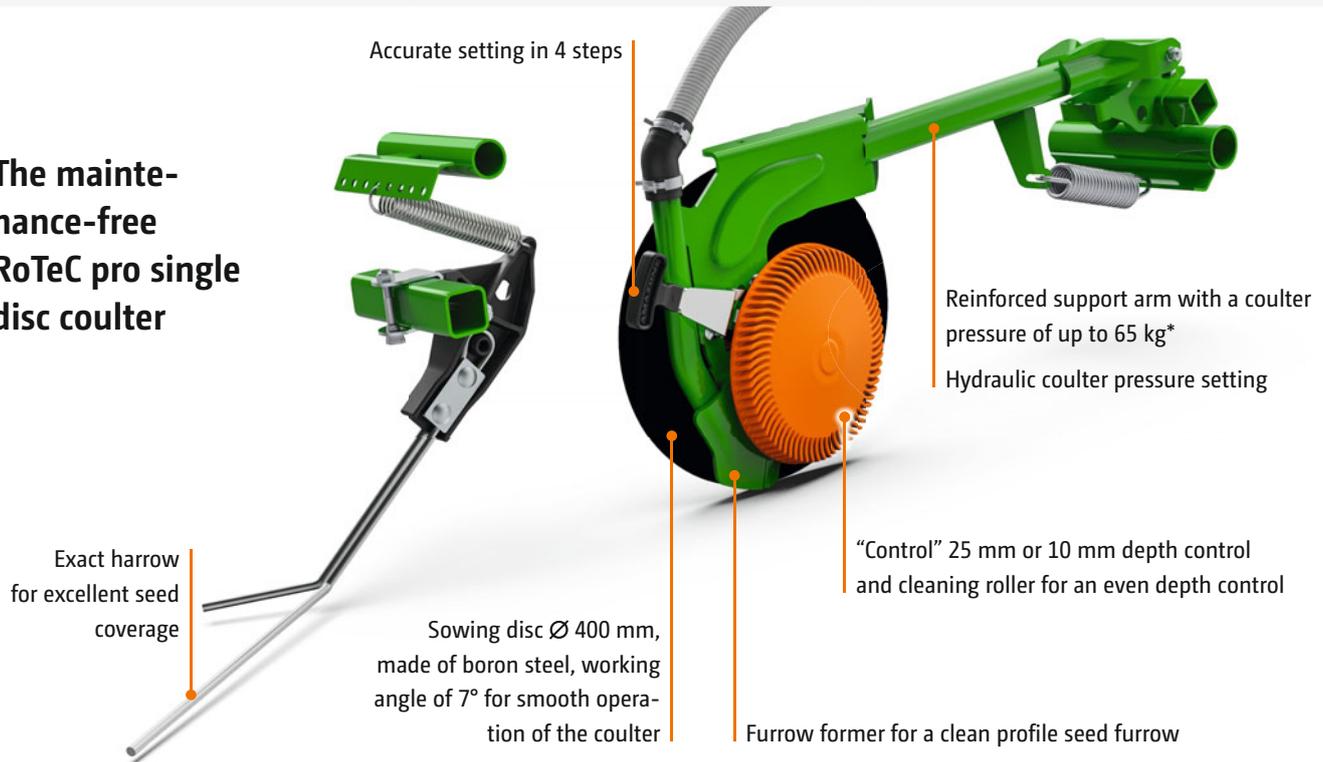
- ✔ Calibration via the TwinTerminal 3.0

RoTeC pro coulters

The universalluse single disc coulters

The RoTeC coulters system is tried and tested 1,500,000 times over!

The maintenance-free RoTeC pro single disc coulters



Goes right up to the limit of practical operation and placement

RoTeC pro coulters are maintenance-free and work very reliably, even with large amounts of straw and plant residues. The sowing disc and a furrow former create the seed furrow profile and provide optimum seed placement into the soil. The Control 10 depth guidance disc or the Control 25 depth guidance roller prevent the soil from sticking to the sowing disc, thereby ensuring that the pre-selected sowing depth is precisely maintained.

Advantages of the RoTeC pro coulters

- ✔ High-performance single disc coulters for wet and cohesive soil types
- ✔ High level of self-cleaning through the depth guidance roller
- ✔ Decoupling of the coulters depth control from the reconsolidation
- ✔ Up to 65 kg additional coulters pressure*
- ✔ Hydraulic coulters pressure adjustment
- ✔ Working speeds of up to 16 km/h

* 55 kg maximum coulters pressure for the Citan
65 kg maximum coulters pressure for the Citan-C



✔ RoTeC pro coulters run smoothly and precisely

Ingenious independent depth control of coulters and following harrow

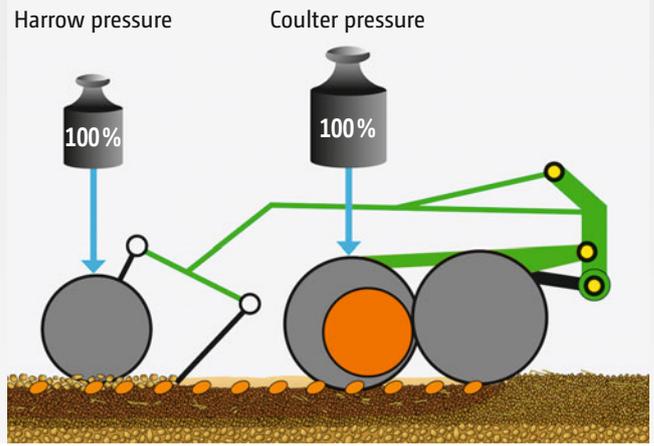
One of the unbeatable advantages of the RoTeC pro coulters is that the reconsolidation is independent to the coulters depth control. This means that the coulters are raised only once when passing a stone. Furthermore, the coulters and harrow pressure can be adjusted independently of each other. This very even and accurately controlled way of guiding the RoTeC coulters is ensured by the Control 10 depth guidance disc with its 10 mm wide contact area or the Control 25 depth guidance roller with its 25 mm wide contact area mounted directly on the coulters.

The 4 stage, basic setting of the sowing depth is done directly on the coulters without tools.

Precise and simple adjustment of the RoTeC pro single disc coulters



✔ RoTeC pro coulters (Ø 400 mm) with Control 25 depth guidance roller
The cleats, which are open at the rear, provide a very good self-cleaning effect.



✔ Splitting the coulters and harrow pressures

Coulters pressure adjustment

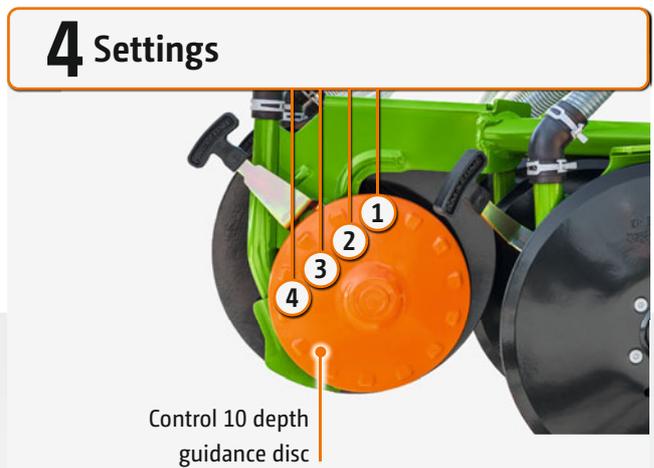
RoTeC pro coulters can be used at coulters pressures of up to 65 kg*. With AMAZONE, the actual effective coulters pressure is comparatively higher because the pressure is not divided between a depth guidance roller and the coulters but acts exclusively on the coulters.

RoTeC pro-S coulters for heavy-duty use

The RoTeC pro coulters, normally with a 25 mm furrow former, is also available as a RoTeC pro-S coulters with a 14 mm furrow former with a higher neck.

The benefits:

✔ Improved penetration characteristics and depth consistency of the coulters, even on heavy and dry ground



✔ RoTeC pro coulters (Ø 400 mm) with Control 10 depth guidance disc

Exact S following harrow or Roller harrow HD

Flexibility under all operational conditions





Exact S following harrow – seed coverage

Together with the RoTeC pro coulter, the Exact S following harrow carries out the levelling and seed coverage in normal or even wet conditions.

The benefits:

- ✔ Reliable seed coverage even in heavy and wet soil conditions
- ✔ Optional hydraulic harrow pressure adjustment



✔ RoTeC pro coulters and Exact S following harrow

Roller harrow HD – additional seed embedment

When the Citan is operated on dry soils, the HD Roller harrow with hardened harrow tines is available.

The benefits:

- ✔ Decoupling of coulter and roller pressure
- ✔ Press roller with up to 35 kg of extra pressure
- ✔ For good soil contact
- ✔ Quicker changeover to Exact S following harrow in wet conditions

With optimised contour following

Thanks to the robust spring suspension, the Roller harrow maintains the roller pressure even on undulating ground. The mechanical contour following by the spring suspension means that the soil is optimally reconsolidated, since the harrow pressure remains constant. Furthermore, the Roller harrow can be matched to the soil conditions.



✔ Sprung-suspended Roller harrow



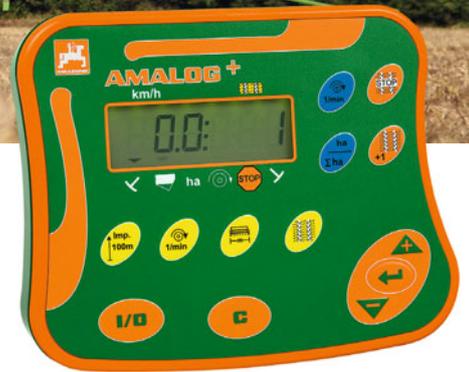
✔ Sprung-suspended Roller harrow

Simple and comfortable

AMAZONE AmaLog⁺ in-cab control box



Citan 12001-C in operation



AmaLog⁺ – simple and reliable

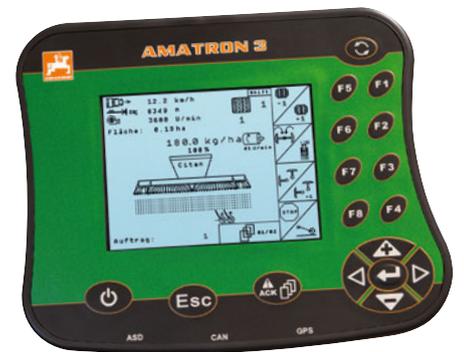
AmaLog⁺ is a simple but highly reliable in-cab control box for the Citan and the Citan-C in conjunction with mechanical land wheel drive. Operation is possible using non-ISOBUS ready tractors.

AmaLog⁺ functions

- ✔ Tramline control
- ✔ Pre-emergence markers
- ✔ Fill level monitoring
- ✔ Hectare meter
- ✔ Speed display
- ✔ Monitoring of the fan speed

AmaTron 3 for the Citan 8000 and Citan 9000

The AmaTron 3 operator terminal can also provide extended control of the important functions. This includes operational functions as well as adjustments on the machine, e.g. automatic calibration and seed rate adjustment up or down on the move.



AmaTron 3 operator terminal

AmaTron 3 is a machine-overlapping operator terminal for all Amazone seed drills, fertiliser spreaders and crop protection sprayers equipped with AmaBus.

Even more precision with GPS-Switch, GPS-Track and GPS-Maps

The automatic headland and part-width section shut-off GPS-Switch, the parallel guidance aid GPS-Track and part-area, site-specific application via GPS-Maps are available as optional equipment for the AmaTron 3.



ISOBUS –

cutting-edge machine operation for the Citan-C

MEMBER OF



One language, many benefits!

Each ISOBUS-enabled machine from AMAZONE comes with the latest technology and almost unlimited possibilities. It does not matter whether it is an AMAZONE operator terminal or an ISOBUS terminal directly installed in the tractor. ISOBUS is a worldwide recognised communication standard between operator terminal, tractor and connected implements on the one hand and farm management information systems on the other.

Operation via a wide-range of ISOBUS terminals

Which means that ISOBUS enables you to take control of all your ISOBUS compatible equipment. You only have to connect the machine to the respective ISOBUS terminal and the usual operator interface appears on the monitor in the tractor cab.

Benefits of ISOBUS at a glance:

- ✔ This worldwide standard provides a uniform interface and data exchange format that ensures compatibility even with third party manufacturers
- ✔ Plug and Play between machine, tractor and additional ISOBUS implements



AMAZONE – more than just ISOBUS

Improved control, better yields! Precision Farming 4.0

Our competence in electronics

To increase the operational comfort, AMAZONE implements and operator terminals feature a level of functionality far beyond ISOBUS standards.

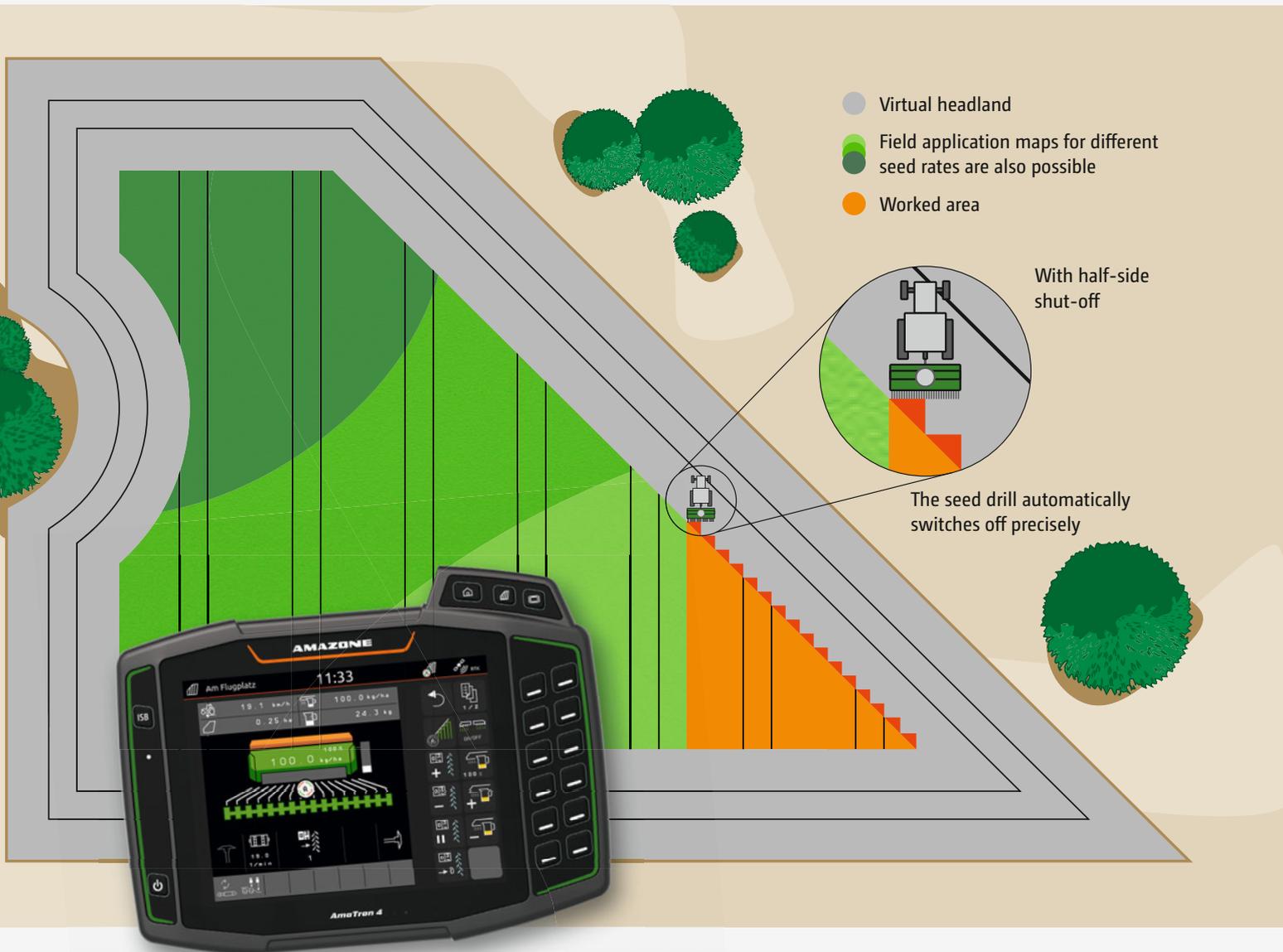
The benefits of more than just ISOBUS:

- ✔ Highest compatibility and function flexibility of your ISOBUS equipment
- ✔ No additional modules on the machine side. All ISOBUS machinery from AMAZONE is already equipped with the necessary ISOBUS functionality as standard
- ✔ Practice-oriented machine software and logical menu structure
- ✔ MiniView display with all AMAZONE terminals and additional ISOBUS terminals. See, for instance, the machine information in the GPS view
- ✔ Possibility of operating the machine via the tractor terminal or a twin terminal solution
- ✔ Flexible assignment of the field and machine view between the tractor and the operator terminal
- ✔ Unique operation concept. Freely-configurable displays and individual user interfaces for each driver
- ✔ Freely-configurable machine operation, e.g. folding of the boom of your AMAZONE crop protection sprayer
- ✔ Integrated TaskController data logger function



Automatic part-width section control GPS-Switch

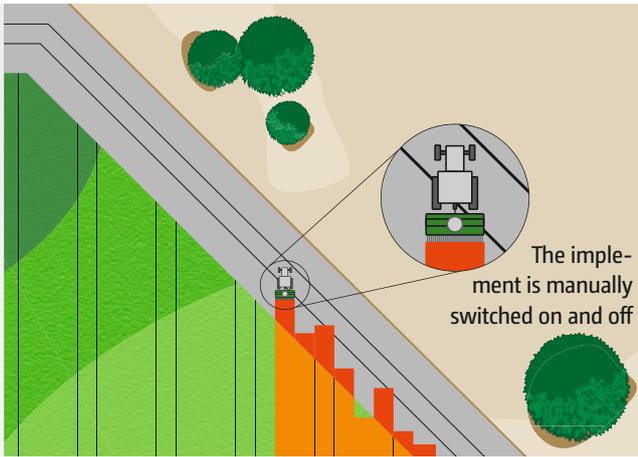
Precise switching on the headland and in wedge shaped fields with the half-side section control



Accurate placement of the seed

Precise sowing is very important, in order to avoid over- and under-sowing in critical areas. A remedy for accurate placement is offered by the half-side control, which reduces the relevant working width to half so that a significant sav-

ing is achieved, especially in wedge shaped fields and on the headland. 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

If the operating terminal 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 created, the driver can concentrate fully on operating the vehicle in automatic mode, since the part-width sections are switched automatically in wedge shaped fields and on headlands.

Benefits of automatic part-width section control:

- ✔ Stress relief on the driver
- ✔ Increased precision, even at night or at higher speeds
- ✔ Fewer overlaps and gaps
- ✔ Saving on resources
- ✔ Less crop damage and environmental pollution

❗ “With Section Control, the ISOBUS computer relieves the driver from a lot of work.”

(“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

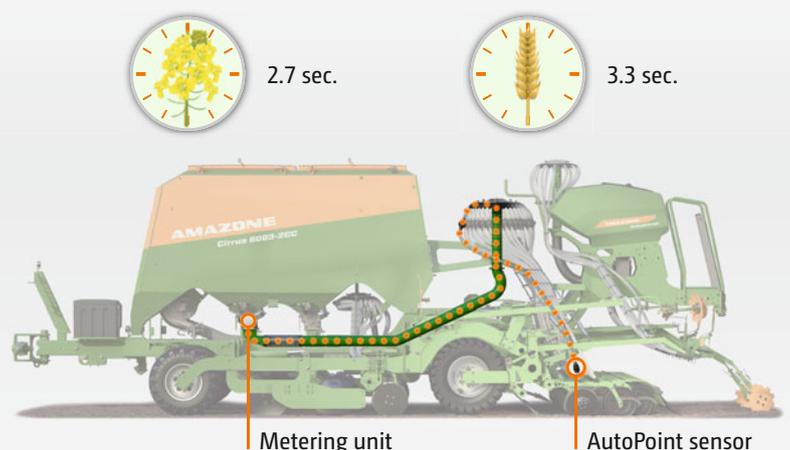
- ✔ Automatic part-width section control for up to 16 part-width sections
- ✔ Creation of a virtual headland
- ✔ Automated boom lowering with an AMAZONE crop protection sprayer
- ✔ Standard with AmaPad 2
- ✔ Optional with AmaTron 4

GPS-Switch pro (as an add-on to GPS-Switch basic)

- ✔ Automatic part-width section control with up to 128 part-width sections, particularly for crop protection sprayers with individual nozzle control
- ✔ Marking of obstacles (e.g. water holes, pylons)
- ✔ Auto-zoom when approaching the headland
- ✔ Standard with AmaPad 2
- ✔ Optional with AmaTron 4

Switch time optimisation – GPS-Switch with AutoPoint

- ✔ Automatic determination of the conveying time of various seed types from the metering unit to the sowing couler
- ✔ Minimisation of misses and overlaps for good field hygiene
- ✔ Minimisation of disease pressure
 - ▷ Fewer plant protection measures needed and costs reduced at the same time



Workday made easy –

Make the most of the possibilities!

GPS-Maps&Doc *

All standard ISOBUS terminals from AMAZONE can collect and save machine and site-specific data using Task Controller. Part-area, site-specific operation via the processing of application maps in a Shape file format and ISO-XML format is also possible.

- ✔ Easy creation, loading and processing of jobs
- ✔ Start a new task straight away and decide later whether the data is saved or not
- ✔ Import and export of jobs in the ISO-XML format
- ✔ Job summary via PDF export
- ✔ Intuitive system for processing application maps in the Shape file format and ISO-XML format
- ✔ Automatic part-area, site specific regulation of the application rate
- ✔ Indication of inactive field boundaries and automatic field detection when approaching the area
- ✔ Optimum crop management via needs-based application
- ✔ Standard with AmaTron 4 and AmaPad 2

GPS-Track

The GPS-Track parallel guidance aid greatly eases orientation in the field, especially on grassland or areas without tramlines.

- ✔ With a virtual light bar in the status bar
- ✔ Automatic tramline control via GPS for seed drills
- ✔ Various track modes such as A-B lines or contour travel
- ✔ Standard with AmaPad 2
- ✔ Optional with AmaTron 4

AmaCam

Software licence for the display of one camera image on AmaTron 4 and up to two camera images on AmaPad 2.

- ✔ Automatic display of the camera image on AmaTron 4 when reversing



GPS-Maps – part-area, site specific application

AmaTron 4

Manager 4 all



Simple and convenient operation as intuitive as your tablet

Why not handle a terminal as intuitively as a tablet or a smartphone? With this in mind, AMAZONE has developed the operator-friendly AmaTron 4 which offers a noticeably smoother operational procedure, especially when it comes to job management. The AmaTron 4, with its 8" multi-touch colour display meets the highest expectations and offers maximum user-friendliness. A swipe of the finger or using the App carousel allows quick changes between applications and the simple and clearly structured operating menu. A useful MiniView, a freely configurable status line as well as a virtual light bar make the use of the AmaTron 4 particularly clear and convenient.

- ✔ Machine operation (UT, Universal Terminal) in day and night mode

Benefits of AmaTron 4:

- ✔ Automatic full screen mode when not being touched
- ✔ Automatic control button display via a proximity sensor
- ✔ Practical MiniView concept
- ✔ Operation via touch display or via soft keys
- ✔ Particularly intuitive and user-friendly
- ✔ Field-related documentation
- ✔ Practice-oriented and intelligent menu navigation
- ✔ Practical quick-start menu with import/export of job data, help windows, day/night mode and the AUX-N allocation
- ✔ 1 camera input and automatic reversing detection
- ✔ Free trial period for all chargeable licences
- ✔ AmaTron Connect – for the optional entry into the digital age

Equipped as standard with:

GPS-Maps&Doc *



AmaTron Connect

Connected to your world

Communication in real time

With AmaTron Connect, AMAZONE provides a digital interface to a smartphone or tablet. The mobile device and the ISOBUS terminal AmaTron 4 are simply connected as a hotspot.

AmaTron Twin App – Clear display enhancement

The AmaTron Twin App offers the driver even more comfort during work, as GPS functions in the field view can also be operated via a mobile device (e.g. tablet) in parallel with machine operation in AmaTron 4.

Now download the free App and try the DEMO in the App.



✔ A better overview with the AmaTron Twin display enhancement

Advantages of the AmaTron Twin display enhancement:

- ✔ Use of an existing mobile device
- ✔ Greater clarity – all applications in sight
- ✔ Comfortable control of GPS functions in the field view in parallel via the mobile device
- ✔ Clear, authentic representation of the working machine and its part-width sections



Map view with AmaTron Twin – Clear display of the machine and its part-width sections, as well as buttons on the right-hand side of the tablet display

agrirouter –

the independent data exchange platform for agriculture



✔ Watch the video for more details

Secure data exchange

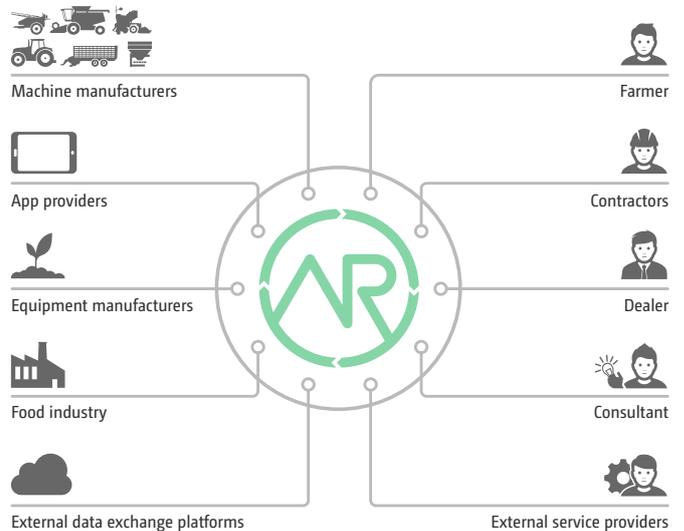
AMAZONE opens the way to universal data exchange by means of the manufacturer-independent agrirouter. agrirouter enables data to be exchanged between AMAZONE machinery, agricultural software providers, other manufacturers and companies, both securely and without any complications.

Benefits of agrirouter:

- ✔ Simple and easy handling
- ✔ Comfortable and fast transfer
- ✔ Full control of your data
- ✔ Data is transferred, not stored
- ✔ Manufacturer-independent use

myAmaRouter App – Comfortable and simple

The myAmaRouter App enables data to be exchanged between the AmaTron 4 ISOBUS terminal and the agrirouter manufacturer-independent data exchange platform. If an AMAZONE machine is to be used to carry out a task with job data (e.g. application maps), the data can be easily transmitted from the agrirouter to the AmaTron 4 via the myAmaRouter App and sent back after completion.



✔ The manufacturer-independent agrirouter enables secure and uncomplicated data exchange

Uncomplicated data transfer. Transparent and secure!



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 convenient and fulfils the highest demands from Precision Farming. AmaPad 2 is operated 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. When needed, these can be enlarged using "a finger swipe". The possibility of individualising the "dashboard panel" with a display of choice rounds off the user ergonomics.



Two cameras enable continuous monitoring of the surroundings during field work or on the road

AmaPilot⁺ – Everything in one hand!

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



The most important information at a glance – in full screen mode or in the MiniView

Benefits of AmaPad 2:

- ✔ High-end ISOBUS operator terminal with a large touch display
- ✔ Extended MiniView concept enables the simultaneous display of a maximum of four menus
- ✔ Quick-start button and integrated light bar
- ✔ 2 camera inputs
- ✔ Day-night mode

Equipped as standard with:

GPS-Maps&Doc *
GPS-Switch basic
GPS-Switch pro
GPS-Track



The benefits of AmaPilot⁺:

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



Overview of ISOBUS terminals	AmaTron 4 	AmaPad 2 
Display	8" multi-touch colour display	12.1" multi-touch colour display
Mode of operation	Touch and 12 soft keys	Touch
Interfaces	Serial interface for GPS 2x USB interfaces	
Sensor connection, e.g. nitrogen sensor	via SCU-L adapter	via SCU-L adapter or PeerControl
Job management and processing of application maps (ISO-XML format and Shape file format)	GPS-Maps&Doc *	
Automatic part-width section control (SectionControl**)	GPS-Switch basic * with up to 16 part-width sections or GPS-Switch pro * with up to 128 part-width sections	GPS-Switch basic + pro with up to 128 part-width sections
Parallel steering aid	GPS-Track * with virtual light bar	GPS-Track with virtual light bar
Automatic track guidance	-	GPS-Track Auto * for the Pantera self-propelled crop protection sprayer
Camera connection / Licence *	1 x camera connection / AmaCam * with automatic reversing detection	2 x camera connections / AmaCam *

* = optional / ** = Note the max. no. of machine part-width sections

Equipment levels that delight!

For more efficiency and comfort

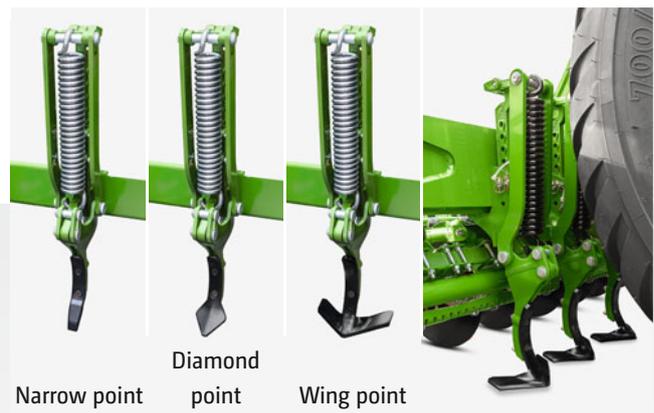


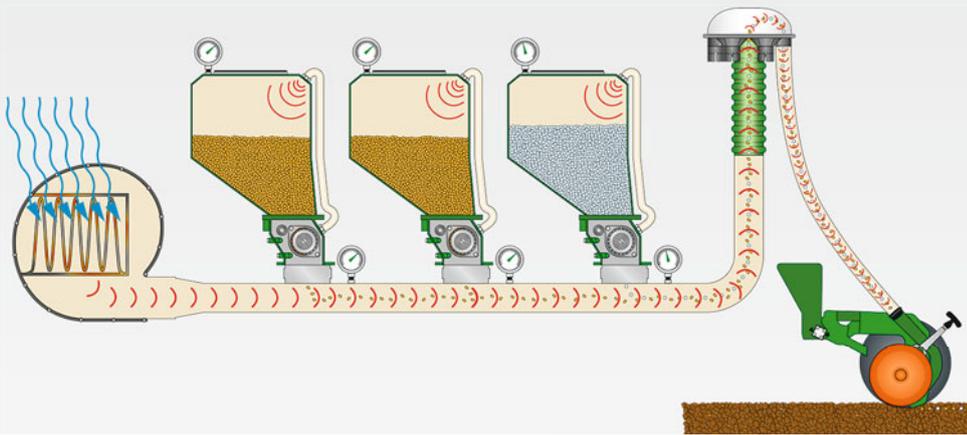
Tractor wheel mark eradicators

For the operation on light or unconsolidated soils, as an option, tractor wheel mark eradicators are available. The wheel marks are loosened and levelled. The lowering and lifting on the headland or when folding for transport is provided automatically by hydraulic actuation.

Seed drill wheel mark eradicators

The task of the seed drill wheel mark eradicators is to loosen the compacted tracks behind the seed drill tyres. The seed drill wheel mark eradicators can be adjusted both horizontally and vertically. The special kinematics of the eradicators provides a constant spring force over the entire area of deflection. The choice of points includes a narrow point, a diamond point and a wing point.





✓ Air pre-heating of the 3-section pressurised hopper

Air pre-heating – no sticking in wet weather

The high-capacity oil cooler prevents any overheating of the oil circuit. At the same time the blower fan of the seed drill sucks in air for the seed transfer system through the fins on the cooler. The heated air effectively prevents the sticking of seed and fertiliser at high application rates and in wet weather.



Seed pipe monitoring – everything under control

Another useful system to assist the driver is the optionally available seed pipe monitoring which detects immediately any blockages down at the coulter and in the tube. Directly behind the distributor head, sensors monitor the seed flow in the seed pipes. The system automatically detects when the drill is tramlining.

On-board hydraulic system – ready for every eventuality

To be able to ensure the required oil flow for the hydraulic blower fan, especially when used behind tractors with poor hydraulic capacity, AMAZONE offers an on-board hydraulic system with an oil tank on the seed drill and a separate hydraulic pump as optional equipment. It can be quickly and easily attached to the PTO shaft of the tractor.



Everything thought of!

The right solution for any requirement



✔ Tight turning with the Citan on the headland



Lights for road travel

The Citan lighting for road transport meets all road traffic requirements for transport safety.

LED working lights

The Citan is also available with high-performance LED working lights.

The options:

- ✔ Self-contained 2-fold LED working lights with their own power supply and switch
- ✔ Integrated 4-fold LED working lights, controllable via the ISOBUS machine actuation

Improved load distribution – second support wheel

For the operation on deeply loosened soils with low carrying ability, AMAZONE offers a second support wheel for better load distribution (standard on the 15001-C/optional on the 12001-C). Thanks to the improved load distribution, deeper wheel marks and at the same time harmful compaction are effectively prevented. In addition, a smoother and more precise run of the coulters in the row is achieved, so that the depth maintenance and the placement accuracy are increased.

- ✔ Second support wheel on the Citan 12001-C



Filling auger – quick and safe filling

A filling auger is also available as an option for the Citan trailed seed drill. The filling auger allows quick and easy filling directly from a transfer trailer vehicle.





FDC 6000 Fertiliser Delivery Cart

Accurate and reliable application of liquid fertiliser directly when sowing



FDC 6000 with Primera DMC 12000-2C seed drill

Amazone offers a practical solution for liquid fertiliser application during sowing in the shape of the FDC 6000 Fertiliser Delivery Cart. This additional pairing, with a tank capacity of 6,000 l, is simply hitched between the tractor and the seed drill.



FDC 6000 with EDX 9000-TC precision air seeder

The best plant growth right from the beginning of the growth phase

The primary areas of application for the FDC Fertiliser Delivery Cart are in arid farming areas, in which the application of granular fertiliser is at its limits. The liquid fertiliser is delivered directly at the sowing coulters as starter fertilisation.

Advantages of liquid fertiliser application:

- ✔ Increase in the plant growth right from the beginning of the growth phase thanks to faster availability
- ✔ Reliable plant growth even at cold temperatures, thanks to better usability
- ✔ Reduction in the plant protection agent usage owing to a decrease in weed pressure
- ✔ Water-conserving, since the fertiliser does not first have to be dissolved to be available to the plants
- ✔ Higher yields thanks to positive seedling development

High level of flexibility

The FDC 6000 Fertiliser Delivery Cart can be used in combination with the Primera DMC, Condor and Citan seed drills or the EDX precision air seeder. The pairing of the FDC Fertiliser Delivery Cart and a seed drill with its own granular fertiliser tank even allows for the application of liquid fertiliser and mineral fertiliser in parallel in a single pass.

The FDC Fertiliser Delivery Cart can be combined with these seed drills:



FDC 6000
Additional pulling power requirement of 50 HP



FDC 6000 with 6,000 l tank capacity

Large-capacity liquid fertiliser tank with a tank capacity of 6,000 l – for high output levels

The FDC Fertiliser Delivery Cart consists of two liquid fertiliser tanks with a capacity of 3,000 l each and two fresh water tanks with a capacity of 300 l each. At an application rate of 60 l/ha, one tank is sufficient for 100 ha, which corresponds to a complete day shift on large farms. The two liquid fertiliser tanks have as standard fill level indicators, so that the driver can always monitor the fill level. All the tanks can be safely accessed from a working platform and have a large tank opening.



Good manoeuvrability at the headland to drive pass-on-pass



Two 300 l fresh water tanks

Chassis and drawbar Easy coupling and uncoupling

The weight is optimally distributed over the ground via the large 800/45/26.5 tyres, so that the soil is protected against compaction. Depending on the requirement, the trailed Fertiliser Delivery Cart is attached to the tractor via a lower link cross shaft of Cat. 3, 4 or K700, a drawbar eye or a ball point coupling, and in the same way at the rear, where the trailed seed drill is hitched. The drawbar has additional ballast weights as standard equipment to achieve optimal weight distribution and to improve the traction of the tractor. For easy coupling and uncoupling, the drawbar is equipped as standard with a hydraulic cylinder for aligning the machine, as well as a hose rail.

Technical data

	FDC 6000
Transport width (mm)	3,270 (with tyres 800/45 26.5) 3,000 (with tyres 700/50 26.5)
Transport height (mm)	2,990
Transport length (mm)	6,150
Tank capacity (l)	6,000
Tank capacity (l) fresh water	600
Additional power requirement (kW/HP)	37/50



Fast filling at 500 l/min.



Easy-to-use control panel on the FDC 6000 for reliable application

Metering: Comfortable & precise

The FDC Fertiliser Delivery Cart is equipped with a speed-related spray fluid pump which allows for very accurate metering of application rates between 40 and 300 l/ha. Accurate control is achieved by the AmaSpray⁺ operating computer. The Fertiliser Delivery Cart is filled by a separate, motor-driven filling pump with a filling rate of 500 l/min.

Placement on the sowing coulters: Direct and reliable

The liquid fertiliser is pumped through hoses to the coulters on the seed drill and delivered directly through a special outlet on the sowing coulters. In order to prevent dripping at the headland, each outlet is equipped with its anti-drip diaphragm. Each outlet also has an appropriate metering disc depending on the application rate.

Easy-to-use control panel with a high level of operating comfort

The liquid circuit is very easily operated using the control panel on the left-hand side of the machine, which is already familiar from the AMAZONE crop protection sprayers. Suction and pressure filters in the liquid circuit remove impurities in the liquid fertiliser and ensure high application reliability.

Profitable results in practice

Application results from (season 2018) in Russia show the difference. The plant development with the support of AHL liquid fertiliser was clearly better than in the areas without AHL. The bright green colour of the plant is an indicator of good nutrient supply. The plants with AHL fertilisation also show much more advanced plant growth.



Without AHL fertilisation



With AHL fertilisation

Left with AHL fertilisation, right without AHL fertilisation

AMAZONE – always in your vicinity

Your satisfaction is our challenge




**Original
AMAZONE**

4. Auflage
4th edition
4^e édition
4-е издание

Verschleißteilkatalog
für Landtechnik und Kommunaltechnik

Wearing parts catalogue
for agricultural machinery and groundcare products

Catalogue pièces d'usure
pour machines agricoles et gamme espaces verts

Каталог изнашиваемых деталей
для сельскохозяйственной и коммунальной техники

AMAZONE SmartService 4.0

Due to the increasing use of evermore complex machine technology, AMAZONE utilises, with the SmartService 4.0, both virtual and augmented reality as well as digital media for service, training and maintenance advice.

- 1 SmartTraining:** Training and instruction in the use of complex machinery by using Virtual Reality technology (VR).
- 2 SmartLearning:** Interactive driver's training for the user for complex machinery operation (www.amazone.net).
- 3 SmartInstruction:** Repair or maintenance instructions using Augmented Reality (AR) and mobile terminal equipment.
- 4 SmartSupport:** Direct local support from the service technician via Augmented Reality (AR) and mobile terminal equipment.



The satisfaction of our customers is the most important objective

We rely on our expert sales partners for this. Also for service queries they are the reliable contact partner for farmers and contractors. Due to continuous training, our sales partners and service technicians are always up to date when it comes to looking after our state of the art technology.

We provide you with a first class spare parts service

The spare parts warehouse in Tecklenburg-Leeden is the basis for our worldwide spare parts logistics system. This ensures optimum availability of spare parts, even for older machines.

Orders for parts in stock at the Tecklenburg-Leeden spare parts centre which are placed by 5 p.m. leave our premises the same day. 40,000 different spare parts and wearing metal parts are handled and stored via our modern warehousing system. Up to 800 orders are sent out to customers every day.

Better to choose the original right from the start

Your machines are subjected to extreme use! The quality of AMAZONE spare parts and wearing metal offers you the reliability and safety you need for efficient soil tillage, precise sowing, professional fertilisation and successful crop protection.

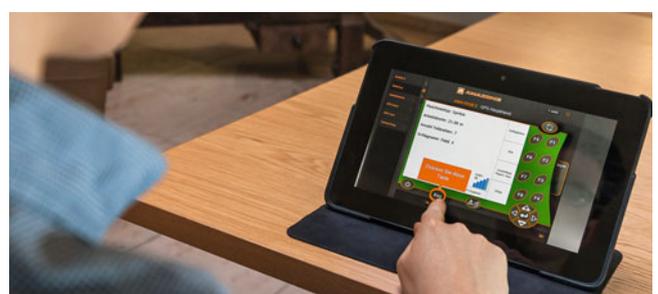
Only original spare parts and wearing metal parts provide the durability and functionality expected from AMAZONE machinery. This guarantees an optimum work result. Original parts at fair prices pay for themselves in the end. So opt for the original!

The advantages of original spare parts and wearing metal parts

- ✔ Quality and reliability
- ✔ Innovation and efficiency
- ✔ Immediate availability
- ✔ Higher resale value of the used machine

SmartLearning – Driver training via PC

AMAZONE has enhanced the service offering on its home-page with the "SmartLearning" Internet tool, a very useful function which can be found at www.amazone.net/smartlearning. "SmartLearning" is an interactive driver training programme which allows you to practice operating complex machinery both online and offline on a PC or tablet PC. The new service offer gives drivers the opportunity to familiarise themselves with the operation of a new machine before it is used for the first time. However, experienced drivers can also refresh their knowledge here, in order to make even better use of the performance potential of the machines.



There is no method more efficient!

So end users make a judgement on the Citan 12001-C

! “We achieve such a high sowing output”

“100 to 120 ha per shift, more than 2,500 ha per season – is no problem with our new Citan 12001-C” W. M. Nadeew reports. W. M. Nadeew is the Deputy General Director of the Russian farm OOO “Schazk Zolotaja Niva”, belonging to the Agrotterra-Group. Here a semi-continental climate prevails and the average rainfall amounts to 450 to 500 mm per year. Last year the farm cultivated 10,162 ha of winter wheat, 8,169 ha of sunflowers and 7,945 ha of spring rape. “Compared with other seed drills, the Citan provides us with a series of benefits,” explains the Deputy General Director. “We achieve high sowing work rates. In addition, we require fewer filling systems to supply the seed and fertiliser.” W. N. Makarov, the chief agronomist of OOO “Schazk Zolotaja Niva”, says that another benefit of the Citan is the easy initial adjustment of the seed rate and the sowing depth. And: “Irrespective of the soil type, the actual seed rates and sowing depths match very well to what we have pre-set. In this way we can finish sowing punctually by the optimum dates yet with a high quality of work. This ensures our yields and makes the Citan stand out in comparison with other seed drills.”



Head agronomist OOO “Schazk Zolotaja Niva” W. N. Makarov (right), Deputy General Director W. M. Nadeew (left), Russia

! “Top performance at the optimum sowing date”

“In 2011 we purchased the first five Citan 12000”, chief agronomist Tschernikow Alexander for the farm “Tula Wozroschdenije” OOO reports. “We then had such a good experience with these machines that we decided in 2012 to purchase twelve more Citan 12001-C.”

The land farmed by “Tula Wozroschdenije” OOO is situated in three Russian regions Tula, Lipezk and Orel. The ground consists of medium to heavy loamy, leached black soil. The average rainfall is 550 to 600 mm/year. The farm cultivated over 42,000 ha of arable land in 2012. “At sowing speeds of 10 to 12 km/ha, we manage with each Citan approximately 160 ha of cereals/day or 200 ha of rape/day. So in spring and autumn 2012 we sowed more than 3,000 ha with each machine.” states Tschernikow Alexander. “With this quality of machinery we manage top-work rates at the optimum sowing date. When cereal sowing, one tank fill is sufficient for over 2 to 2.5 hours before we have to refill. At the same time, the RoTeC⁺ Control coulters reliably sow the seed at the desired depth. The distribution along the rows is also optimal. This provides us with a good and even field emergence.”



From left to right: Farming in the Tula region, chief agronomist Alexander Tschernikow, dealer company director “Agrolider” Aleksey Baryschewskij, Russia

Technical data:

Citan trailed seed drill



Model	Citan 8000	Citan 9000	Citan 12001-C	Citan 15001-C
Working width (m)	8.00	9.00	12.00	15.00
Transport width (m)	3.00			
Transport height (m)	3.70	3.70	3.95	3.95
Transport length (m)	8.70	8.70	9.00	10.50
Operational speed (km/h)	8–16			
Average work rates (ha/h)	6–8	7–9	10–12	10–15
Power requirement (kW/HP)	from 110/150	from 130/177	from 170/231	from 210/286
Hopper capacity (l)	4,600	4,600	7,800	7,800
Division of the 3-section pressurised tank	–	–	2,400/2,400/3,000	2,400/2,400/3,000
Linkage	Cat. 3, Cat. 4 or Cat. K700 lower link			
Coulter system	RoTeC ⁺ Control coulter		RoTeC pro coulter	
Number of rows	64	72	72	90
Row spacing (cm)	12.5	12.5	12.5/16.6	16.6
Weight (kg)	from 6,250	from 6,600	from 9,500	from 10,500
Operator terminal	AmaLog ⁺ , AmaTron 3		AmaLog ⁺ , ISOBUS	

Illustrations, content and technical data are not binding! Deviations of technical data are possible depending on the equipment. The illustrations may deviate from the requirements for local road traffic regulations.

Superbly compact folding technology – all Citan models offer a transport width of just 3 m and a minimal transport height.



Citan 9000



Citan 12001-C



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