



AMAZONE

Trailed tine seeder **Cayena**



Cayena trailed tine seeder

for dry and stony soil conditions



The Cayena trailed tine seeder has been designed for high-output sowing on hard, dry and stony soils with or without prior soil tillage.

With its 6 m working width and 3,600 l hopper capacity, the Cayena can achieve enormous work rates and, as an alternative, the Cayena-C comes with a 4,000 litre, twin tank hopper.



Faster, economical, better!

	Page
The advantages at a glance	4
Cayena and Cayena-C	6
The technology TineTeC coulters	8
The technology Machine concept, Exact harrow and wedge ring roller with Matrix tyre profile	10
The technology Layout and options	12
The technology Precise metering	14
Equipment Transport	16
ISOBUS	18
ISOBUS GPS-Switch	20
ISOBUS GPS-Maps GPS-Track AmaTron 4	22
ISOBUS AmaTron Connect agrirouter	24
AMAZONE service	26
Technical data	28

Cayena trailed tine seeder



6 m



16.6 cm



3,600 or 4,000 l



Up to 15 km/h



The advantages at a glance:

- ⊕ Sowing and optimum reconsolidation in just one pass
- ⊕ High acreage outputs from the precise metering
- ⊕ Easy pulling thanks to the narrow TineTeC coulter
- ⊕ For hard, dry and stony soils
- ⊕ Good clearance due to large number of rows: 36 coulters in 6 m
- ⊕ Optimum coverage of the seed via the Exact harrow S
- ⊕ Centralised stepless setting of the sowing depth
- ⊕ Strip-wise reconsolidation thanks to the wedge ring roller with Matrix tyre profile
- ⊕ Optimised coulter guidance for precise seed placement

MORE INFORMATION

www.amazone.net/cayena



PRODUCT FILM

Find out more

Cayena trailed tine seeder – quick and precise



Up to 15 km/h for the highest daily work rates

The Cayena trailed tine seeder shows its strengths on hard, stony soils and in dry regions, where conventional coulters fail. No matter whether used for coarse, medium or fine seeds, for mulch sowing, sowing after the plough or on stubbles – with its 6 m working width, the Cayena performs with an enormous efficiency. At working speeds of up to 15 km/h and its 3,600 litre seed hopper, the Cayena offers you the potential for the highest daily outputs.

Invaluable to you:

The interior lighting of the seed hopper is coupled with the headlights of the tractor. The roll-over cover safely protects against dust and rain.

The complete opening of the seed hopper ensures quick and easy filling.

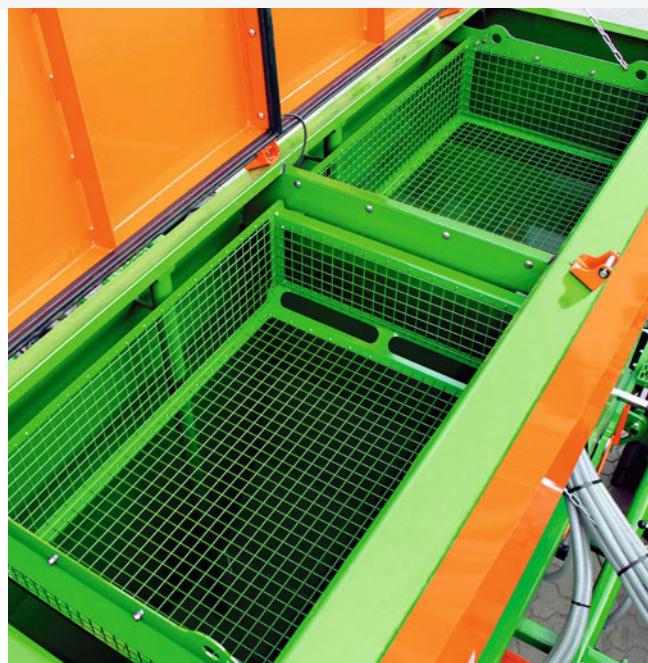


Cayena-C – for seed and fertiliser

Pressurised hopper system for high seed rates

With the Cayena 6001-C, AMAZONE offers a trailed tine seeder that can also place fertiliser together with the seed into the seed furrow. The 4,000 litre seed hopper is divided into two compartments at a ratio of 60:40 and equipped with two fully electric metering units. Both compartments can, from choice, be filled with either seed or fertiliser. Via the same conveying system, seed and fertiliser are placed together in the seed furrow. In this way, for instance, when sowing winter rape or winter cereals, a starter fertiliser can be applied.

The ability to apply seed-fertiliser combinations at high rates is guaranteed by the enclosed pressurised hopper system of the Cayena-C.



Cayena 6001-C



4,000 l seed hopper

with a sealed, pressurised lid, is divided up into a ratio of 60:40



Hopper
for seed

Hopper for either
seed or fertiliser

TineTeC coulters

The specialist operator for use in the most arduous of conditions



Narrow and hard-wearing

Thanks to their extremely narrow profile, the hard metal armoured coulters of the Cayena easily penetrate into the ground, moving only a little soil material – minimising the loss of moisture during the sowing operation. The narrow coulter profile provides additional decisive benefits: the Cayena has a low pulling requirement and any coulter wear is kept to a minimum. In spite of the large 6 metre working width, tractors with a power rating from just 100 kW/136 hp are sufficient for the Cayena.



Even longer-lasting – TineTeC HD

The optional TineTeC HD tines are recommended for even less wear. Thanks to its welded strips on either side, the point is further protected from premature wear. Soil is held between these welded hard metal strips, thereby protecting the tine from wear. In addition, the Hardox profile of the seed tube reduces both the wear and any susceptibility to clogging. This ensures a long service life and significantly increases the useful longevity of the tines.





Overload protection and stone safety device

Special rubber sprung elements optimise the adaptation of the coulter to the ground contours, even on heavy soils. Simultaneously they serve as an overload and stone safety protection, enabling the tines to give way three-dimensionally. Slight vibrations free the tine coulters from organic matter, without however affecting the placement accuracy of the seed.

“On-grip” tines

The narrow TineTeC coulters of the Cayena are arranged “on-grip” and automatically pull themselves into the soil. As the machine is supported via the lower links of the tractor and by the wedge ring roller at the rear, the downward penetration of the tines is limited. The exact placement depth of the seed is thereby ensured at all times, irrespective of the fill level of the seed hopper. The sowing depth can be quickly and safely adjusted via a setting spindle on each half side of the drill.

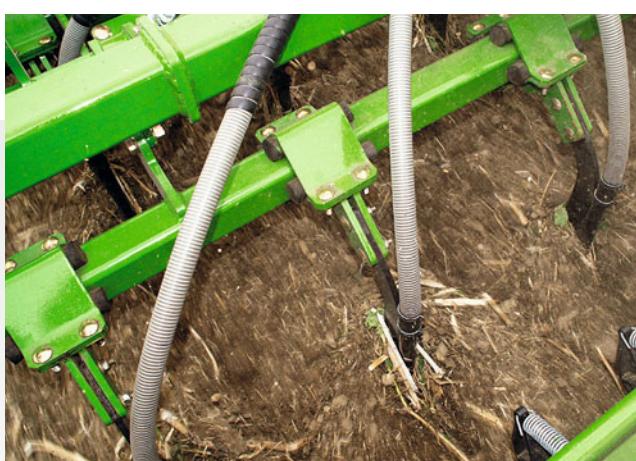
Narrow row spacing, spacious clearance

36 tine coulters and 16.6 cm row spacing – in three rows and arranged in an offset to one another on the main frame. The coulters of the Cayena, despite their narrow spacing, allow the easy passage of crop residues and stones.

Air diffuser

An air diffuser is used to maintain the seed flow when sowing mixtures with widely differing specific weights and volumes (light seed/heavy fertiliser). The air stream from the blower fan is self-regulating thus preventing the need for readjustment or the blowing out of any lighter material.

- ✓ The TineTeC coulters optimise work rates on hard soils



Exact harrow and wedge ring roller with Matrix profile

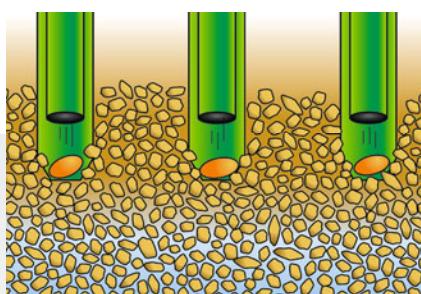
Optimised levelling, covering and reconsolidation



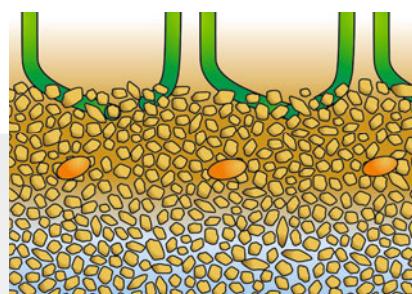
Blockage-free, even with large amounts of straw

Following the seed placement, the Exact harrow S covers the seed furrows with loose soil and levels the ground.

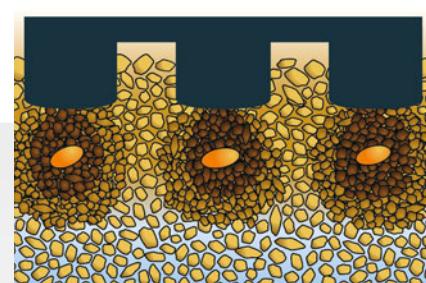
The operational intensity of the harrow can also be adjusted centrally.



Sowing with the tine coulter



Seed covering with the Exact harrow



Consolidation with the wedge ring roller



Wedge ring roller with matrix tyre profile

Exact and targeted: the ideal reconsolidation

The Exact harrow is followed by the AMAZONE wedge ring roller with Matrix tyre profile, consisting of twelve 800 mm diameter tyres. The over-sized wedge ring roller ensures a highly smooth travel and, at the same time, serves as integrated running gear for road transport. Thanks to its special profile design, the wedge ring roller consolidates the seed bed in strips, precisely and exactly above the seeds sown. In this way, optimum field emergence is achieved, even under dry conditions. Loose stones are also pressed into the soil at the same time.

This eliminates the need for a separate pass to roll the ground afterwards. Scrapers on the roller ensure that soil does not adhere to it, even in wet conditions.

As an alternative to the standard air-filled transport tyres, polyurethane-filled tyres are also possible. Filled tyres may require a special operational permission. Please take note of the national road traffic regulations.

The basic settings

The Cayena is carried via the tractor's lower links and the wedge ring tyres. Guide wheels, available as an option and mounted in front of the tine coulters, help provide a smooth run, even at high sowing speeds.



Basic setting of the Exact harrow S

The placement depth of the seed is easily adjusted via turn-buckles. The Exact S following harrow is just as easily set up to ensure perfect seed embedment, once done you're ready to go.



Basic setting of the sowing depth

Uncluttered view thanks to the compact design



Compact and easy to manoeuvre

You will be impressed with the Cayena as a compact yet easily manoeuvrable unit, thanks to the lower link cross shaft, integrated chassis and hydraulically folding tine carriers. It is only 6.7 m long with a transport width of just 2.9 m. These compact dimensions are of major benefit, especially in difficult terrain or during transport.

As the seed hopper is mounted at the front of the Cayena, a large part of the machine's weight is supported on the rear axle of the tractor. This improves traction enormously.

Long and slender

The seed hopper of the Cayena has been designed to be as large as possible, and yet, compact. This allows an uncluttered view of the TineTeC coulters in operation. In this way you have everything under control.



Uncluttered view of the TineTeC coulters



Tramline markers and rear harrow



Wheel mark eradicators

Equipment tailored to your needs

Pre-emergence markers

The pre-emergence markers clearly mark the tramlines via large discs so that the tramlines are visible prior to the seed emergence. This improves the accuracy when creating tramlines and they are ideal for pre-emergence spraying.

Wheel mark eradicators

Optional wheel mark eradicators are available for use on the Cayena when on soft ground. The wheel marks, resulting from the sinking of the tractor into the soil, are broken up and levelled.

Rear harrow

A rear harrow which scratches up the soil behind the wedge ring wheels is available for heavy and wet conditions.

Front guide wheels

The Cayena can also be equipped with front guide wheels to improve depth control.

Front cutting discs

The cutting discs improve the passage of crop residues and catch crops. At the same time, they stabilise the outer wings, thereby improving seed placement accuracy.



Front guide wheels



Front cutting discs

Cayena: quick adjustment – efficient and precise sowing



Precise electric metering drive

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 Cayena in conjunction with an ISOBUS terminal. The TwinTerminal is mounted directly on the seed drill near the metering unit. The location of this offers a decisive benefit: The driver can now perform the calibration operation and input the data from that calibration directly into 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 metering cassettes, located to the front left hand side of the machine are quickly exchanged

Accurate metering drive

The metering system is suitable for all seeds and seed quantities from 1.5 to 400 kg/ha. Large metering cassettes generate low peripheral speeds and protect the seed from damage. Conversion from fine seeds to normal seeds is carried out in seconds by exchanging the metering cassettes. They can even be changed when the seed hopper is full. 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.

Standard metering cassettes for different seed types

20 ccm



e.g. for rape,
stubble turnips and lucerne

210 ccm



e.g. for barley,
rye and wheat

600 ccm



e.g. for spelt,
oats and wheat

660 ccm *



For peas and beans

Metering cassettes supplied as standard

	20 ccm	210 ccm	600 ccm	660 ccm
Cayena	1x	1x	1x	–
Cayena-C	2x	2x	2x	1x

* Only standard for the Cayena-C

Further metering cassettes

7.5 ccm



For rape, linseed and poppies

120 ccm



For catch crops,
maize and sunflowers

350 ccm



For fertiliser

880 ccm



For high seed rates

Optional equipment



LED work lights

The optional LED work lights light up the working area and thus provide a clear view of the working environment to ensure safe operation, even in the evening and during the night. The area around the sowing coulters is also optimally illuminated. The work lights can be controlled via the operator terminal.



Sourcing a speed signal

For the regulation and drive of the metering unit, the forward speed can be picked up via a radar sensor or via a GPS speed sensor signal. As an alternative, the tractor speed can also serve as the speed source via a signal cable.

Seed pipe monitoring

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 seed tube. Mounted directly behind the distributor head, sensors monitor the seed flow in the seed pipes. Incorrect switch-over of the tramline rhythm is automatically detected by the system. Especially on long working days, the monitoring is an elegant solution to help keep an eye on the working performance.

Additional hydraulic pump

In order to ensure sufficient oil quantity for the hydraulic blower fan, particularly for operation behind older tractors, AMAZONE offers a separate hydraulic pump as an optional extra. It can be quickly and easily attached to the PTO shaft of the tractor.



Transport

Comfortable on the road

Quick and clear

The Cayena can be folded into the transport position in no time at all. A transport width of 3 m is possible on the road, thanks to its narrow hopper. It can be transported at speeds of up to 40 km/h without any problem when equipped with the optional air braking system.



The machine is quickly folded up giving a transport width of 3 m.



Additional protective covers for the tines provide even more safety on the road

MEMBER OF



ISOBUS as the basis for intelligent communication

One language, many benefits!

Each ISOBUS-enabled machine from AMAZONE comes with the latest technology and almost unlimited possibilities. It makes no difference whether you use an operator terminal from AMAZONE or an ISOBUS terminal fitted directly in the tractor. ISOBUS is an internationally recognised standard for communication between the operator terminal, tractors and connected implements on the one hand and Farm Management Information Systems on the other.

Operation with a wide variety 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 your 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





Perfectly developed machine operation from AMAZONE

AMAZONE machinery and operator terminals offer a range of functions which are very easy and safe to operate:

- ✓ Highest compatibility and function flexibility of your ISOBUS equipment
- ✓ No additional modules on the machine side. All ISOBUS machines from AMAZONE come ready-equipped with the necessary ISOBUS functions 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 data in the map view
- ✓ Possibility of operating the machine via the tractor terminal or a twin terminal solution
- ✓ Flexible assignment of the map and machine view between the tractor terminal and the operator terminal
- ✓ Unique operating concept. Freely configurable displays and individual user interfaces for each driver
- ✓ Useful additional functions such as automatic boom lowering on AMAZONE crop protection sprayers
- ✓ Integrated TaskController data logger function



Clearly structured AMAZONE machine operation

Advantages of the AMAZONE machine software:

- ✓ User-oriented and intuitive
- ✓ Tailored to the machine
- ✓ Function scope above and beyond the ISOBUS standard



Clear display of the work menu in the AMAZONE machine operation

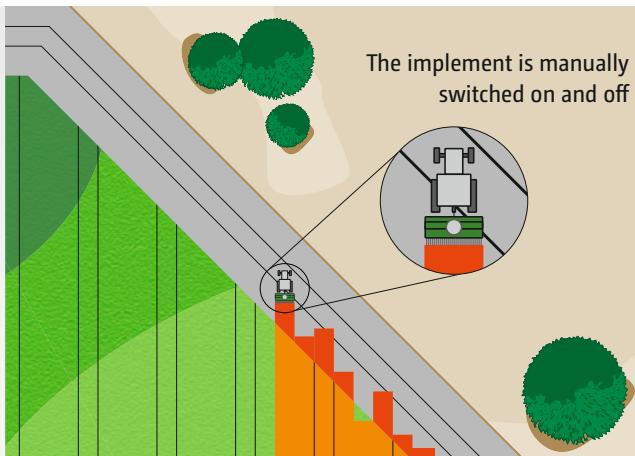
Automatic part-width section control GPS-Switch



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 overall working width to half so that a significant

saving 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



GPS-Switch

If the operating terminal facilitates Section Control, such as GPS-Switch part-width section control from AMAZONE, the part-width sections are activated completely automatically and in relation to the GPS position. Once a field has been created, and then in automatic mode, the driver can concentrate fully on the operation of the towing vehicle, since the part-width sections are switched automatically in wedge shaped fields and on headlands.

Benefits of automatic part-width section control:

- ✓ Stress relief for the driver
- ✓ Increase in precision, especially at night or at higher speeds
- ✓ Fewer overlaps and gaps
- ✓ Saving inputs
- ✓ Less crop damage and environmental impact

! “With Section Control, the ISOBUS terminal takes a lot of pressure away from the driver.”

(“dlz agrar magazine” – test report ZA-TS fertiliser spreader · 02/2017)

With GPS-Switch, AMAZONE offers 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 with up to 16 part-width sections
- ✓ Creation of a virtual headland
- ✓ Automated boom lowering with an AMAZONE crop protection sprayer
- ✓ Optional with AmaTron 4

GPS-Switch pro (as an extension of 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
- ✓ Optional with AmaTron 4

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 application maps in either Shape file or ISO-XML formats is also possible.

- ✓ Easy creation, loading and processing of jobs
- ✓ Start a new task straight away and decide later whether the data is to be saved or not
- ✓ Import and export jobs in ISO-XML format
- ✓ Job summary via PDF export
- ✓ Intuitive system for processing application maps in either 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 vicinity
- ✓ Optimum crop management via needs-based application
- ✓ Available as standard with AmaTron 4

GPS-Track

The GPS-Track parallel guidance greatly helps with orientation in the field, especially on grassland or in 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 following
- ✓ Optional with AmaTron 4

AmaCam

Software licence for displaying a camera image on AmaTron 4.

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



Display of the application map in AmaTron 4



Display of the camera image in AmaTron 4

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 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. A swipe of the finger or use of the App carousel allows quick changes between applications and the simple and clearly structured operating menu. 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
- ✓ Automatic display of the touch buttons via a proximity sensor
- ✓ Practical MiniView concept
- ✓ Actuation via the multi-touch colour display or soft keys
- ✓ Particularly intuitive and user-friendly
- ✓ Field-related documentation
- ✓ Practice-oriented and intelligent menu navigation
- ✓ Practical quick-start menu with import and export of job data, help windows, day/night mode and the AUX-N assignment
- ✓ One camera input and automatic reversing detection
- ✓ Free trial period for all chargeable licences
- ✓ AmaTron Connect – for optional entry into the digital age

Equipped as standard with:

GPS-Maps&Doc



AmaPilot⁺ – everything in the one hand!

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

Advantages of AmaPilot⁺:

- ✓ Almost all the functions directly to hand via the 3 levels
- ✓ Adjustable palm rest
- ✓ Freely available key assignment

AmaTron Connect

New ways of comfortable networked operation

With AmaTron Connect, AMAZONE provides a digital interface to a smartphone or tablet. The mobile device and AmaTron 4 are simply connected as a hotspot. AmaTron Connect enables use of the AmaTron Twin App as well as data exchange via agrirouter and the myAmaRouter App.

AmaTron Twin App Clear display enhancement

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

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



Everything in view at all times with the AmaTron Twin App and the holder for a tablet for rigid mounting on the AmaTron 4

Advantages of the AmaTron Twin display enhancement:

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

agrirouter –

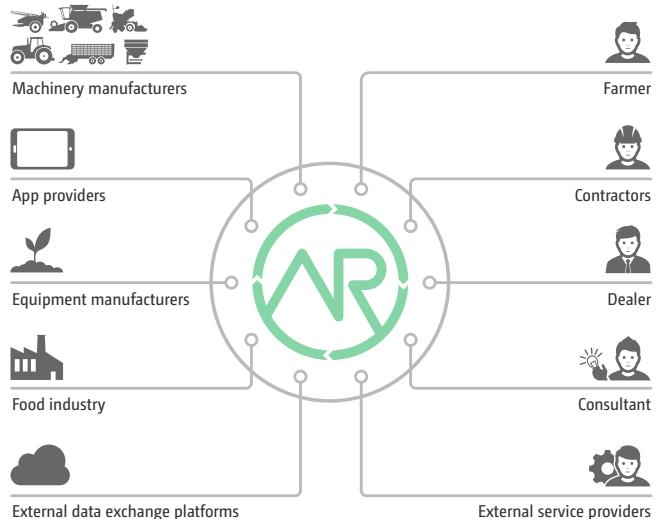
the independent data exchange platform for agriculture



Watch the video for more details

Secure data exchange

agrirouter is an independent data exchange platform for farmers and contractors. It enables simple and cross-manufacturer data exchange between machines and agricultural software applications, thereby reducing administration. The user retains full control over the data at all times.



myAmaRouter App

For the on-line transfer of data between AmaTron 4 and agrirouter

The myAmaRouter App enables data to be exchanged between the AmaTron 4 ISOBUS operator 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 a Farm Management Information System (FMIS) to AmaTron 4 via agrirouter and the myAmaRouter App. After the work has been completed, the job can be sent back and is available for documentation in an agricultural software application.

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

Benefits of agrirouter:

- ✓ Simple data exchange between the AmaTron 4 ISOBUS operator terminal and the manufacturer-independent agrirouter data exchange platform
- ✓ Easy and rapid transfer of job and task data without the need for a USB stick
- ✓ More flexibility in data exchange and documentation

Uncomplicated data transfer. Transparent and secure!



AMAZONE – always in your vicinity

Your satisfaction is our challenge



AMAZONE

Original AMAZONE Parts

Verschleißteilkatalog
für Landtechnik und Kommunalechnik

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

Wearing parts catalogue
for agricultural machinery and groundcare products

Каталог изнашиваемых деталей
для сельскохозяйственной и коммунальной техники

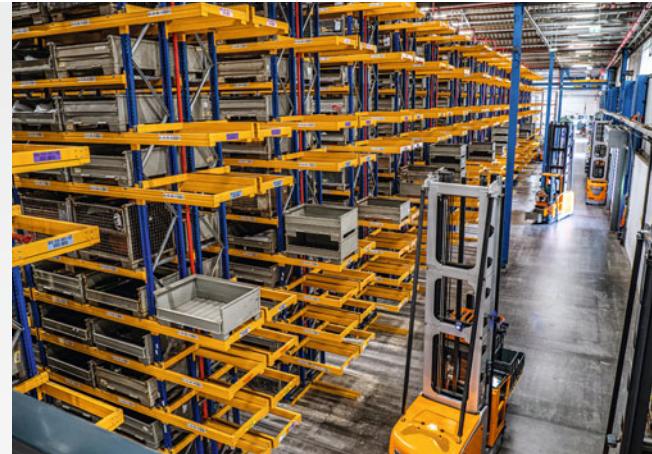
PDF-DOWNLOAD
www.amazone.net/parts



AMAZONE SmartService 4.0

Due to the increasing use of ever more 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 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 devices.



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 end users 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 centre in Tecklenburg-Leeden is the base 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, if placed by 5 p.m., leave our premises the same day. 42,000 different spare parts and wearing metal parts are handled and stored via our modern warehousing system. Up to 1,000 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 security 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 quality of work. 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



Technical data: Cayena trailed tine seeder

	Cayena 6001	Cayena 6001-C
Working width (m)	6.00	6.00
Transport width (m)	3.00	3.00
Coulters	TineTeC or TineTeC HD	
Row spacing	16.6 cm	
Number of seed rows	36	
Seed hopper capacity (l)	3,600	4,000 (divided 60:40)
Operational speed (km/h)	8–15	
Power requirement from (kW/hp)	100/136	
Linkage system	Cat. 3/4N or K700	
Transport running gear	4 integrated transport wheels in the wedge ring roller	
Number of wedge ring tyres	12	
Following harrow	Exact S following harrow	
Weight from (kg)	5,900	6,100
No. of spool valves required	2 double acting + 1 single acting + pressure-free return flow	

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.



AMAZONEN-WERKE H. DREYER SE & Co. KG

P. O. Box 51 · 49202 Hasbergen-Gaste/Germany

Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193