

# Serto SC



SOLO SEED DRILL FOR HIGHEST WORK RATES





## Serto SC

LARGE WORKING WIDTH – LOW HORSEPOWER REQUIREMENT  
DUE TO SEPARATE SEEDBED PREPARATION AND SEEDING

- Compact design: from 10 m working width folded to 3 m transport width
- PowerDisc seed coulters with a release force of up to 200 kg per seed coulters or TurboDisc seed coulters with a release force of up to 125 kg per seed coulters
- The offset seeding method – tillage and seeding are separated – allows for new seed windows especially in years with a lot of rain
- Double hopper with a capacity of 6 000 l + a microgranular compound unit





The hopper capacity of the Serto amounts to 6 000 l with a partition of 60:40. Thus, either 6 000 l seed can or seed and fertiliser in combination with a hopper partition of 3 600 l at the front and 2 400 l at the rear. As an option, there is a 300 l hopper for micro-granular compound as a third component. Track eradicator tines or wavy disc track eradicators are available to loosen the tractor tracks efficiently. The ondulated discs arranged in pairs are ideal especially on heavy soils as no rough structures are broken from the seedbed and the tolerance for harvest residues is particularly high. The machine is folded to 3 m transport width at the push of a button.

Even on light soils the horsepower requirement is absolutely low due to the continuous packer – this saves fuel. The narrow seed hopper allows for an easy accessibility of all components and for a perfect view on the machine and the field.



Safe maintenance of the set placement depth across the whole working width due to hydraulic weight transfer of the seed wagon weight to the coulter wings

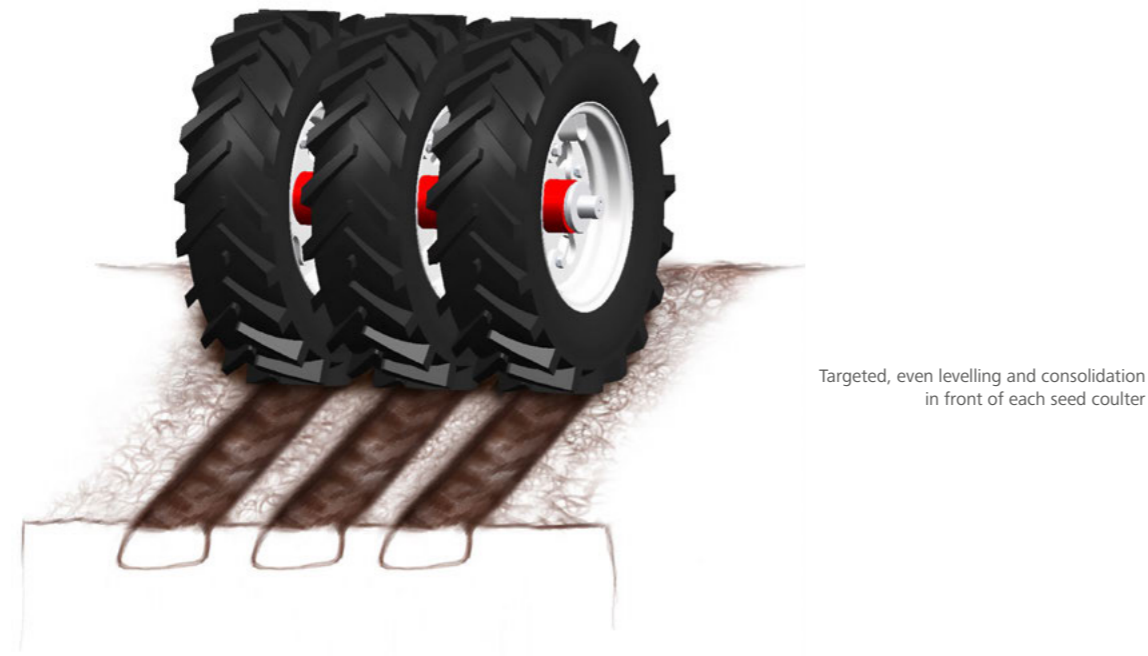


Quick and easy filling options



# Tyre packer with AS profile

RUGGED, EFFICIENT, LOW HORSEPOWER REQUIREMENT



Targeted, even levelling and consolidation in front of each seed coulters

The HORSCH tyre packer ensures a targeted and even levelling and consolidation in front of every seed coulters. The tyres are arranged in one line. Thus, clearance is optimum even on light soils. The straight tyre profile increases consolidation. The 10-ply special HORSCH tyres ensure a long service life.

An efficient consolidation below the seed horizon guarantee a better water distribution towards the seeds. The horsepower requirement is low due to large tyre diameter and no scrapers are required.

- Targeted, even levelling and consolidation in front of each seed coulters
- Straight tyre profile increases consolidation in the consolidation area
- Packer middle section also serves as a chassis for transport
- Efficient consolidation below the seed horizon for better water distribution towards the seeds
- Low horsepower requirement due to large tyre diameter and no scrapers required



Tyre packer and TurboDisc seed coulters



Low horsepower requirement due to large tyre diameter and no scrapers required



Straight tyre profile increases consolidation in the consolidation area

# Track eradicator tines or track eradicator discs

LOOSEN THE SOIL OF THE TRACTOR TRACK

The spring-loaded track eradicator tines allow for loosening the soil in the tractor track. The tines are only suitable for mulch seeding to a limited extent as they may be prone to clogging in case of high amounts of harvest residues.

The track eradicator discs with ondulated discs are absolutely resistant to clogging. Thus, the tracks can be loosened without producing coarse clods even in heavy soils.

Depending on the tractor width, an hydraulic side adjustment can be selected as an option.

- Loosening compacted soil in the tractor track
- Leaves an field without tracks
- Adjustment of the working depth without tools with the well-known clip system
- Optional, hydraulic side adjustment depending on the tractor width



Loosening compacted soil in the tractor track



# TurboDisc seed coulters



- Double disc coulters
- Creates a precise seed furrow
- Press wheel controlled (5 cm or 7.5 cm wide)
- Uniformer prevents the grains from bouncing
- Inside scraper prevents blocking and clogging of the coulters
- Coulter pressure up to 125 kg via rubber torsion
- Designed for precise seed placement at high operational speeds
- Allows for an even and safe emergence

A perfect embedding of the seed and an immediate seed-soil contact are important for a safe and even emergence. HORSCH perfectly copes with the challenge to achieve this objective even at high operational speeds. The solution is called TurboDisc. The double disc coulters that have been used and constantly developed further by HORSCH for more than 20 years excel due to their precise seed placement. The press wheel-controlled coulters design allows for a quick following of the soil contours at high speeds. Thus, the set placement depth can be kept up for every single grain.

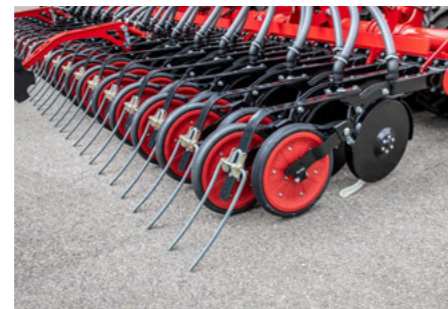
The double disc seed coulters with maintenance-free bearings open the soil and thus allow for accurate seed placement. The integrated Uniformer ensures the fixing of the seed at the bottom of the seed furrow even at very high operational speeds. A carbide-coated scraper keeps the space between

the discs clean and thus prevents clogging even in sticky and wet conditions. The 5 cm or 7.5 cm wide press wheel then ensures an optimum seed-soil contact and an exact depth control.

In addition to the excellent following of the soil, the TurboDisc seed bar excels due to the easy operation: with regard to their adjustment, coulters pressure and seed depth do not influence each other. The maintenance-free rubber bearings of the seed coulters transfer a coulters pressure of up to 125 kg and thus guarantee a smooth coulters – up to an operational speed of 20 km/h. Furthermore, the rubber bearing serves as an overload protection and a shock absorber for stones.



Fall tube position in front of the mounting and moving inside scraper prevent blockage of the coulters in wet sowing conditions



HORSCH TurboDisc seed coulters



The movable scraper ensures a high self-cleaning effect in wet conditions

# PowerDisc seed coulters



PowerDisc seed coulters – parallel-disc controlled double disc coulters

The new HORSCH PowerDisc coulters are ideal for difficult conditions and with coulters pressures of up to 200 kg per individual row ensure a safe seed placement even in a coarse seedbed. The large bearings and their design ensure a high and durable stability. The experiences from the Maestro single grain technology were included in the design.

- Parallel-disc controlled double disc coulters
- Coulter pressure up to 200 kg is possible
- Ideal for difficult conditions
- Long service life due to massive components



Coulters pressure up to 200 kg is possible



The HORSCH Uniformer ensures a precise fixing of the seed



# Electric half-width shut-off

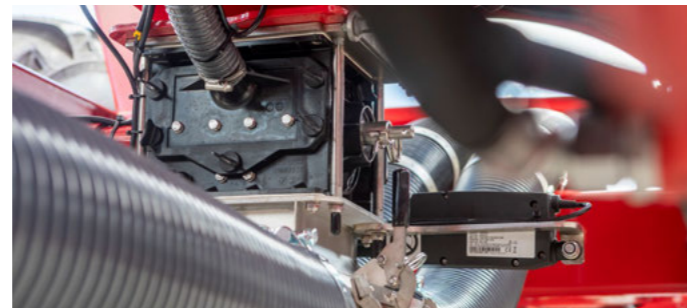
The mechanical half-width shut-off is standard equipment for all machines. As an option you can choose an electrical half-width shut-off via the ISOBUS Terminal. With a SectionControl activation, the whole system can be automated.

Due to the SectionControl options, fertiliser and seed can be saved. Avoiding overlaps on the headlands, on wedges or obstacles improves the development of the individual plant and reduces the disease and competitive pressure in these areas.

- Standard with mechanical half-width shut-off
- As an option, an electrical half-width control via the ISOBUS Terminal can be chosen
- Process can be automated by activating SectionControl



Mechanic half-width shut-off as standard



Automated electric half-width shut-off via SectionControl activation is possible

# Microgranular compound unit

The microgranular unit of the Serto SC increases the hopper variety of the machine. The capacity of 390 l for microgranular compounds allows for a simultaneous, precise application of 3 components via the seed coulters of the Serto. The additional volume increases efficiency and reduces filling stops.

- Possibility to take along 3 components at the same time and to meter them independently
- Easy and safe application of microgranular compounds
- Increases efficiency



The microgranular unit allows for simultaneously transporting and independently metering 3 components



Optional microgranular unit for the easy and safe application of microgranular compounds



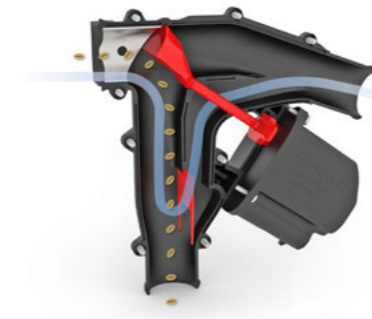
Increases efficiency by a capacity of 390 l

# RowControl distribution tower

- Freely selectable tramlines
- Freely adjustable row spacings
- Optimum solution for different tramline rhythms in the contracting sector
- High savings on resources due to precise switching-off of the seed rows on the headlands and in case of obstacles
- Possibility of individual row switch-off to the last row



RowControl flap open: seed is transported to the coulter



RowControl flap closed: excess air escapes via the coulter, the seed is transported to the injector and supplied again to the distributor tower – no lateral distribution losses



RowControl distribution tower

# Pre-emergence marker

The pre-emergence markers are recommended for crops that require maintenance measures before the laid tramlines become visible. They are controlled fully automatically via the tramline rhythm of the terminal. The mounting on the seed coulter allows for a precise depth control via the press wheel. The aggressiveness of the pre-emergence marker is adjusted via a depth stop.

- Fully automatic control via the tramline rhythm
- The aggressiveness of the pre-emergence marker is adjusted via a depth stop.
- Mounted directly on the seed coulter, precise depth control via the press wheel
- Easy activation and deactivation of the pre-emergence marker via ISOBUS



The aggressiveness of the pre-emergence marker is adjusted via a depth stop



Easy activation and deactivation of the pre-emergence marker via ISOBUS



# INTELLIGENCE

## eosT10 (Pro)

- High-resolution 10" terminal for controlling all ISOBUS devices according to ISO 11783
- Reliable and powerful: a high-performance hardware combined with an intuitive, user-friendly operation in daytime or night mode
- Straightforward transfer of application maps with the wireless Task Data Exchange
- Various layout options allow for a simultaneous display of several applications – for an optimum overview
- eosT10 and eosT10 Pro – one hardware, completed by two licence kits. Precision is always standard for us.



By displaying up to 3 widgets in addition to the main working screen, the user can keep track of several applications at the same time

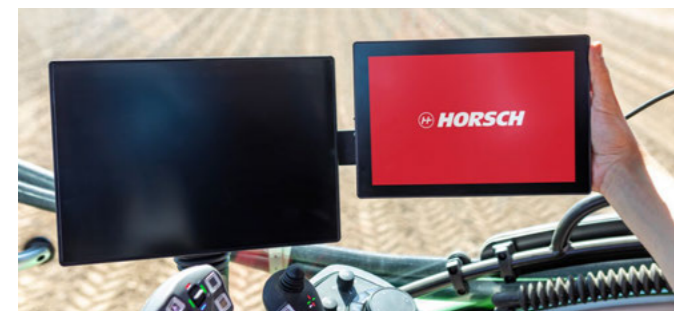
## Rotor selection

- Facilitates the selection of the optimum rotor for any application
- Wide selection range from normal seeds to fine seeds to fertiliser and micro-granular compound
- Expert mode to carry out rotor configurations also for variable operating speeds and application rates



## AutoLine

- Automatic, GPS-based tramline control
- Optimised driving strategy near obstacles or on the headlands
- Track-to-track driving is no longer required
- Available in combination with the terminal eosT10 Pro



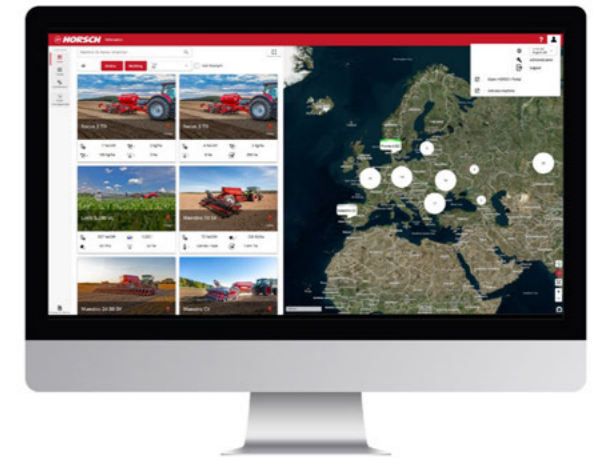
Due to the flexible holder, the eosT10 can be perfectly integrated in every cabin



The rotor selection app facilitates the selection of the optimum rotor for any application

## HorschConnect

Prepare today for tomorrow. Control different machine functions quite easily via the MobileControl app – your smartphone replaces the terminal! In addition, gain complete, transparent insight in all aspects of work performance and working quality with HorschConnect Telematics.



With HorschConnect telemetry solutions can be found in the sowing and plant protection sector – exactly where they make sense

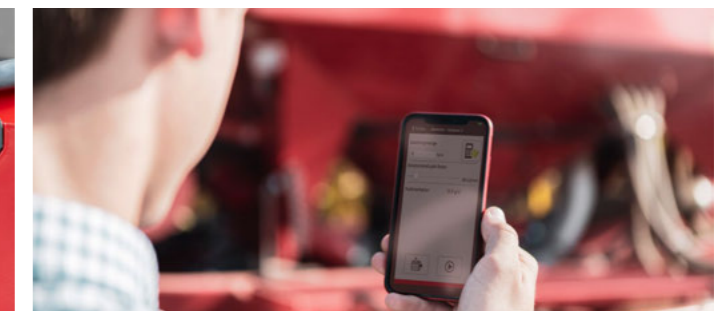
- Digital solutions exactly where they make sense
- Straightforward out-of-the-box solution with integrated SIM card, WLAN modem and other interfaces
- HorschConnect Telematics to document the performance of the machine
- HorschConnect Telematics for complete transparency of the working quality, e.g the application rate of all components
- Control of machine functions via the smartphone app MobileControl
- Control of machine functions via smartphone app MobileControl: e.g. calibration of all metering units



The MobileControl app allows for controlling individual machine functions – completely comfortably from the smartphone



Uncomplicated out-of-the-box solution with a wide range of integrated interfaces



Quick and easy calibration of the machine via smartphone with the MobileControl app



# TECHNICAL DATA

Serto SC	10 SC	12 SC	13.30 SC	13.50 SC
Working width (m)	10.00	12.00	13.36	13.50
Transport width (m)	3.00	3.00	3.00	3.00
Transport height (m)	4.00	4.00	4.00	4.00
Length (m)	8.45	8.45	8.45	8.45
Axle load (kg)	9200 - 9650	9600 - 10000	11000 - 11000	11000 - 11000
Vertical load (kg)	1400 - 1900	2000 - 2800	2800 - 3000	2800 - 3000
Hopper capacity double hopper (l)	6000 (60 : 40)	6000 (60 : 40)	6000 (60 : 40)	6000 (60 : 40)
Filling height double hopper (m)	2.55	2.55	2.55	2.55
Feed opening double hopper (m)	1.68 x 0.66	1.68 x 0.66	1.68 x 0.66	1.68 x 0.66
Number of seed coulters TurboDisc III	66 - 80	80 - 96	---	---
Coulter pressure seed coulters TurboDisc (kg)	15 - 125	15 - 125	---	---
Row spacing/TurboDisc (cm)	12.50 / 15.00	12.50 / 15.00	---	---
Number of seed coulters PowerDisc	60 - 60	48 - 72	80 - 80	80 - 80
Coulter pressure PowerDisc seed coulters (kg)	50 - 200	50 - 200	50 - 200	50 - 200
Row spacing/PowerDisc (cm)	16.70	16.70 / 25.00	16.70	16.70 / 20.00
Tyre packer size	---	7.50 - 15 AS (320/65 - 16 at 25 cm row spacing)	7.50 - 15 AS	7.50 - 15 AS
Tyre packer Ø (cm)	78	78	78	78
Number of packer tyres (PCE)	30 - 40	24 - 36 - 48	40	40
Tyres seed waggon	650 / 55 - 26.5	650 / 55 - 26.5	650 / 55 - 26.5	650 / 55 - 26.5
Operational speed (km/h)	10 - 20	10 - 20	10 - 20	10 - 20
Horsepower requirement (kW/hp)	200 / 272	220 / 300	220 / 300	220 / 300
DA control devices	1 (lifting, folding) + 1 (hydr. fan, coulter pressure)	1 (lifting, folding) + 1 (hydr. fan, coulter pressure)	1 (lifting, folding) + 1 (hydr. fan, coulter pressure)	1 (lifting, folding) + 1 (hydr. fan, coulter pressure)
Depressurized return flow (max. 5 bar)	1	1	1	1
Oil quantity hydraulic fan (l/min)	min. 60	min. 60	min. 60	min. 60
Implement attachment adjustable drawbar ring hitch (mm)	Cat. IV - Ø 58 or Cat. V - Ø 79	Cat. IV - Ø 58 or Cat. V - Ø 79	Cat. IV - Ø 58 or Cat. V - Ø 79	Cat. IV - Ø 58 or Cat. V - Ø 79
Implement attachment ball head	K 80	K 80	K 80	K 80







Your distributor

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All specifications and diagrams are approximate and not binding. Technical features and design are subject to change.

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