

Avatar MD



EFFICIENT, VERSATILE, SOLID



The Avatar can be used in different situations due to the individually depth controlled disc coulters. It is ideal for direct seeding but can also be used on cultivated soils. Due to the robust design and the SingleDisc single disc coulters operational speeds of up to 15 km/h can be achieved. The standard triple tank allows for the flexible application of up to three components. The 1-row design with a row spacing of 10" or 15" is ideal for mechanical population management in combination with a HORSCH Transformer VF. The interaction of single disc coulters and seed skids ensures a safe opening of the furrow. At the same time, harvest residues are removed from the furrow. The result is an optimum contact of seed and soil for quick and safe emergence.

Via the rubber torsion suspension a coulters pressure of up to 350 kg per coulters can be transferred. The coulters pressure can be adjusted mechanically or electrically via the terminal. All pivot points and connections at the coulters are maintenance-free. The durable, maintenance-free bearings on all rotating parts guarantee a long service life and operational reliability. The seed skid is equipped with a carbide wear edge for a long service life. It can even be extended with the HM+ version.



Easy to use



Support wheel for optimum contour following

SingleDisc

PRECISE SEED PLACEMENT DUE TO INDIVIDUAL DEPTH CONTROL



The individually depth controlled SingleDisc coulters have specially been designed for the Avatar line. Due to its individuality and flexibility, it can be adapted to the most different sowing conditions

- Direct seed
- Mulch seed
- Conventional tillage
- In standing catch crops
- On stony and very heavy clayey soils

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The durable, maintenance-free bearings on all rotating parts guarantee a long service life and operational reliability. The seed skid is equipped with a carbide wear edge for a long service life. It can even be extended with the HM+ version. The stable depth control wheels guarantee a precise depth control of the coulters in changing or difficult soils. This is due to different, co-ordinated adjustments of the seed coulters and optional equipments. Due to the lateral angle of 6° and a vertical angle of 3° of the single disc coulters, the seed is placed diagonally below the surface. Depending on the conditions, you can choose between a Uniformer and a catching roller.

- Individual depth control by means of depth control wheel
- Single disc coulters with seed skids
- Ideal for direct seed, mulch seed and after conventional tillage
- Outstanding for stony, very heavy and clayey soils
- Coulters pressure up to 350 kg
- Maintenance free



SingleDisc – perfect soil following due to depth control wheel



Finely graduated individual depth adjustment without tools

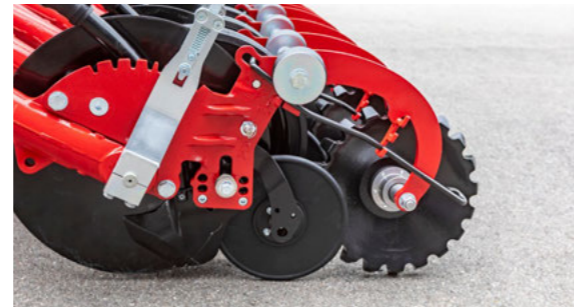


SingleDisc in organic conditions

CLOSING WHEEL SYSTEMS

Star roller steel

- For sowing in dry soils
- The star roller produces crumbly fine soil
- The down force of the closing wheels can be adjusted by means of a spring without any tools
- Depending on the conditions, the angle can be changed



Steel star roller – produces fine soil and closes the seed furrow

Closing wheel steel

- For sowing in wet conditions
- Closes the seed furrow even in changing conditions
- Ideal with the offset method
- The down force of the closing wheels can be adjusted by means of a spring without any tools
- Depending on the conditions, the angle can be changed

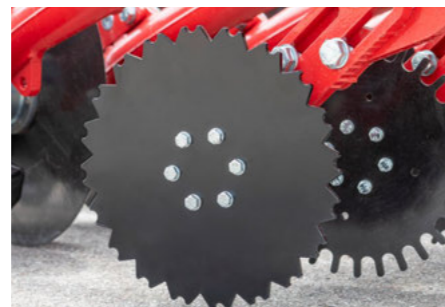


Closed closing wheel for all situations

Trash wheels

- Optional trash wheels remove stones, clods and organic residues from the seed furrow.
- “Hairpining” (organic residues are pressed into the seed furrow) is reduced to a minimum.

Hairpining is a well-known term in no-till farming. But what does it mean? The effect when straw residues or organic residues are pressed into the seed furrow is called hairpining. This can become a problem if the seed is placed on the straw residues or organic residues as the connection to the capillaries of the soil is interrupted. Clearing wheels may be used to prevent this.



Trash wheel for cereal straw

Trash wheels for high amounts of cereal straw

Trash wheel for maize straw

SEED FIXING

Catching roller

- Safe placement of the seed
- Ideal in dry soils
- Remove the catching roller in wet conditions
- Due to the parking position, the catching roller can be lifted



Perfect fixation of the seed due to rubber catching roller

Uniformer

- Safe placement of the seed in the furrow
- Can be used in all situations
- Ideal when sowing into green catch crops
- Ideal in wet conditions



Uniformer Avatar

Triple tank

Efficiency is an important asset of the Avatar 18 MD. It was equipped with a triple tank with a capacity of 12 600 l. The partition of 2 000 l : 5 300 l : 5 300 l provides maximum flexibility when applying fertiliser and seed. The advantage of the multi- hopper system is that fine seeds and coarse seeds can be transported separately and no separation takes place.

Two different fertiliser components can thus be applied with the seed. No mixed fertiliser is required and the desired quantity of components can be selected freely. There is also the option to transport two seeds separately. The mixing ratio can be adjusted more easily than with pre-mixed seed.



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



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

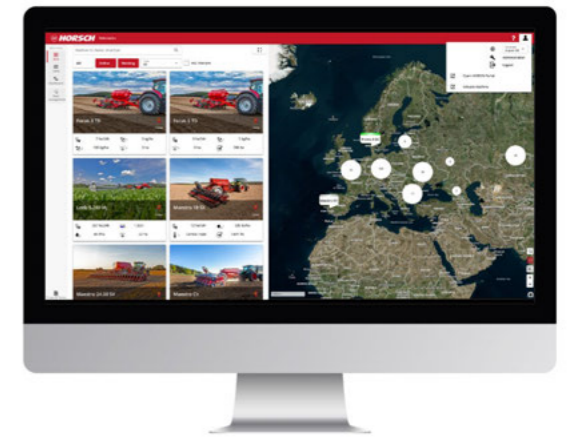


AutoLine

- 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

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



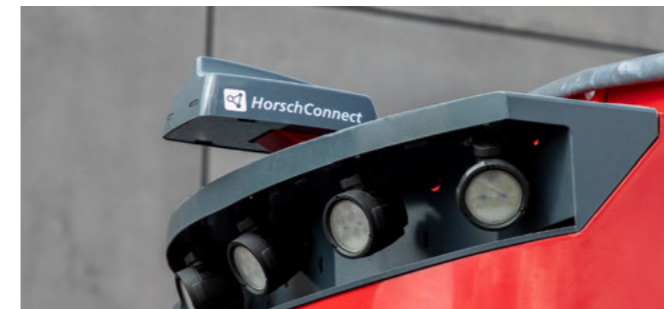
The MobileControl app allows for controlling individual machine functions – completely comfortably from the smartphone



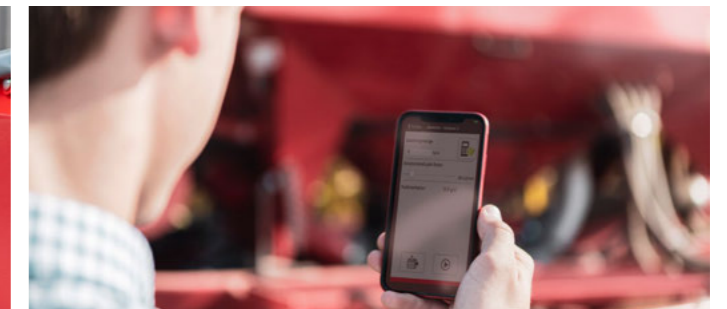
Due to the flexible holder, the eosT10 can be perfectly integrated in every cabin



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



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

Avatar MD	18/60 MD
Working width (m)	18.29
Transport width (m)	4.80 with single tyres 710/70 R 38 5.11 with twin tyres 520/85 R 42
Transport height (m)	4.00
Length (m)	10.62
Axle load (kg)	15850
Vertical load	4370
Seed hopper capacity triple hopper (l)	2000 : 5300 : 5300
Filling height triple hopper (m)	2.98
Number of seed coulters (PCE)	72
Coulter pressure (kg)	350
Seed coulter Ø (cm)	48
Closing wheels Ø (cm)	33
Depth control wheels Ø (cm)	40
Row spacing (Inch)	10
Tyre size seed waggon	710/70 R 38 single or 520/85 R 42 twin tyres
Tyre size support wheels	550 / 60 - 22.5
Operational speed (km/h)	6 - 15
Horsepower requirement (kW/hp)	260 / 350
DA control devices (PCE)	3
Depressurized return flow (max. 5 bar) (PCE)	1
Oil quantity hydraulic fan (L2)	60 - 80
Adjustable drawbar linkage hitch ball joint	Ring hitch Ø 58-79 mm
Adjustable drawbar linkage ball head	K 80





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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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