

# Express KR

 **HORSCH**



PROFESSIONAL SEED DRILL WITH 3-POINT LINKAGE



# Express KR

3-POINT SEED DRILL WITH POWER HARROW KREDO

- 3-point seed drill for an intensive seedbed preparation even in difficult conditions
- Three packer versions are available that can be used in different soils

- TurboDisc seed coulters ensure a perfect seed placement
- Seed coulters can be lifted completely hydraulically to work solo with the power harrow

# TurboDisc seed coulters



## THE THIRD GENERATION GUARANTEES A HEAD-START IN THE FIELD OF SEED PLACEMENT

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.

- 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
- Coulters pressure up to 125 kg via rubber torsion
- Designed for precise seed placement at high operational speeds
- Allows for an even and safe emergence



5 cm wide press wheel – ideal on medium and heavy soils



7 cm wide press wheel – ideal on light soils



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



The HORSCH Uniformer ensures a precise fixing of the seed



The straight harrow – TurboDisc seed coulters harrow is controlled individually for a more efficient tillage



HORSCH TurboDisc seed coulters

# Kredo rotary harrow

## ACTIVE SEEDBED PREPARATION

- Long service life due to solid and massive gear unit
  - Tines can be changed without any tools
  - 10 rotors for maximum clearance for 3 m working width
  - Actively driven seedbed preparation for different requirements
  - Targeted control of the cultivation intensity in the seedbed by adapting the working speed and the rotational speed of the rotary harrow (standard 244 or 306 rpm)
  - Solid and massive gear unit and drive for highest stresses in the field
- Targeted control of idle time and working effect: tines are arranged draggingly for seedbed preparation on intensely cultivated fields:
    - Standard tine
    - HM tine (reinforced for long service life)
    - HM+ tines (extreme wear protection with carbide technology from the cultivator sector)
    - Tine on grip for aggressive cultivation of solid soils

PTO-shaft driven tillage with the rotary harrow Kredo allows for an intensive seedbed preparation even in difficult conditions. The rotary harrow Kredo has 10 rotors on 3 m working width. Its robust design is ideal even on stony soils. With quick-change tines, it can be equipped with drag or grip tines. Tines with carbide coating are available to ensure a long service life. The well-proven coating technology from the cultivator tine products is used. The finely graduated adjustment of the working depth for the rotary harrow is easily accessible from the outside and is clearly visible. The adjustment of the levelling bar, too, is very easy.



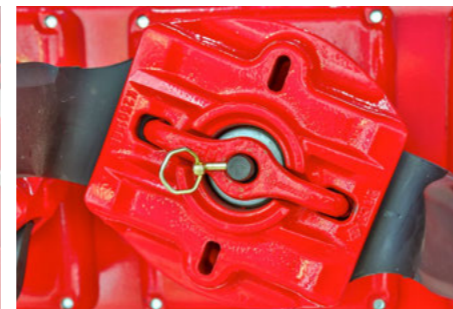
Kredo rotary harrow – Express 3 KR



Deflector rail in the front is available as an option



Adjustment of working depth without tools via the hole pattern between Kredo and packer

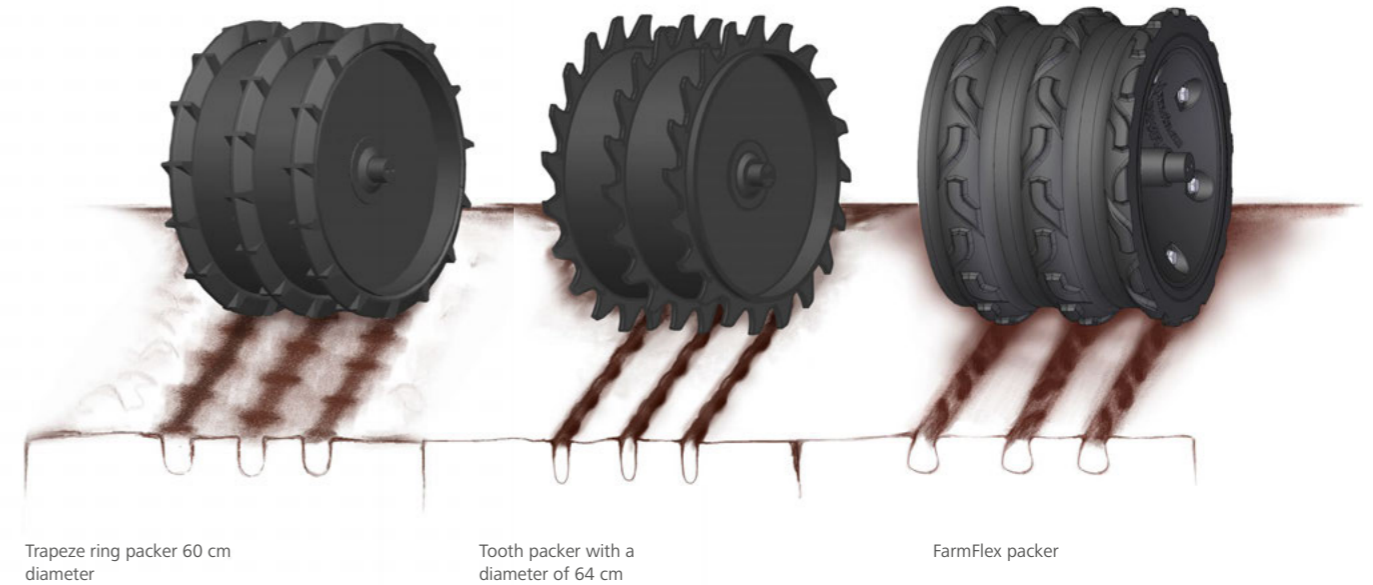


Express TD – FarmFlex packer

# PACKER SYSTEMS

## VERSATILE FOR OPTIMUM RESULTS

The depth effects and the main applications of the different HORSCH packer versions.



Trapeze ring packer 60 cm diameter

Tooth packer with a diameter of 64 cm

FarmFlex packer

### Trapeze ring packer

- Ideal in changing conditions
- For a targeted consolidation in front of every seed row
- In wet conditions, scrapers clean the packer roller

### Tooth packer roller

- Large diameter guarantees a high load-carrying capacity especially on light soils
- Excellent drive through the packer teeth have a positive effect on diesel consumption
- The teeth of the tooth packer leave a crumbly structure and fine soil.

### FarmFlex packer

- Robust rubber roller with a diameter of 54 cm
- Strip consolidation
- Ideal on medium soils with non-sticky soils



Trapeze ring packer 50 cm diameter



Trapeze ring packer 60 cm diameter



FarmFlex packer  
Strip consolidation reduces encrusting

# Hydraulic seed depth adjustment with clips

The hydraulic seed depth adjustment with clips allows for changing the seed depth without any tools, but also for lifting the seed bar when using the power harrow Kredo solo.

This advantage of the large cylinders is one of the unique features of the Express KR.

The principle of the hydraulic lifting of the seed bar when using the power harrow solo also applies to road transport. This increases the distance between soil and seed bar.

- Seed depth can be changed without tools via the well-known HORSCH clip system
- When using the power harrow solo on the headlands, the seed bar can be lifted hydraulically.
- For road transport, the seed bar can be moved hydraulically to a higher position. This increases the distance to the ground.



Hydraulic seed depth adjustment with clips



When using the power harrow solo on the headlands, the seed bar can be lifted hydraulically.



Seed depth can be changed without any tools

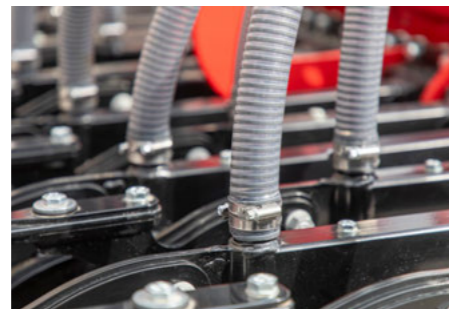
# Spelt pneumatics

Sowing spelt with husks always is a challenge for farmers. HORSCH developed a special pneumatic adaption for this crop which has been optimised over several years. To make sure that the spelt with husk does not wedge and cause blockings, all corners and edges in the pneumatic system are checked and rough edges are removed. For example, the seed tubes at the seed coulters are chamfered and the seed hoses are directly attached to the coulters with cable ties. The seed flow sensors that are recommended for sowing spelt are also chamfered. Thus, spelt can be transported smoothly through the pneumatics and gaps are prevented.

- Optimised pneumatic hosing for seeds with husks
- chamfered seed flow tubes prevent the husks from getting wedged
- Optional seed flow sensors support the prevention of gaps



Spelt pneumatics for husk-bearing seeds



Optimised pneumatic hosing and chamfered seed tubes

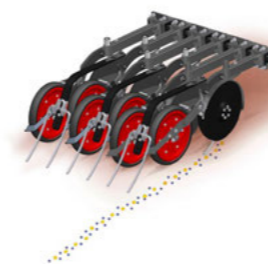


Spelt pneumatics

# Double hopper Grain & Fertiliser

- Both components are metered separately and are transported together via the distribution tower or the distribution towers into the seed coulters.
- The fertiliser is immediately available to the young plant and thus contributes to a quick early growth. This system should only be used in appropriate climatic conditions and with the assistance of a crop production consultant.

- The G & F double hopper system allows for simultaneously applying seed and fertiliser as contact fertilisation.
- Not only seed and fertiliser, but also 2 different seeds can be transported, metered and sown separately.



Double hopper Grain & Fertiliser – joint placement of two components via the TurboDisc seed coulters



The double hopper G & F allows for metering two components separately and placing them on a single horizon



Express 4 KR with double hopper G & F

# RowControl distribution tower

- Possibility of individual row switch-off to the last row
- 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



RowControl flap open

RowControl flap closed



RowControl distribution tower



RowControl distribution tower – Express 3 KR

# 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 workin screen, the user can keep track of several applications at the same time.

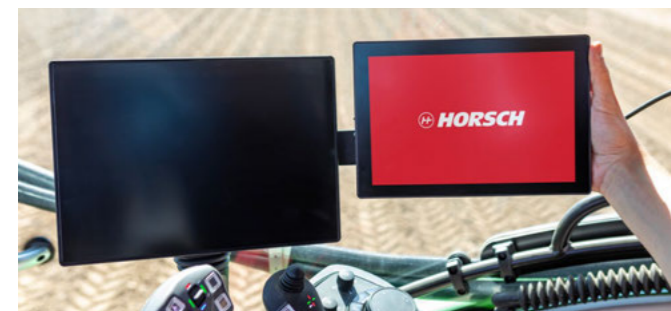
## Rotor selection

- 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



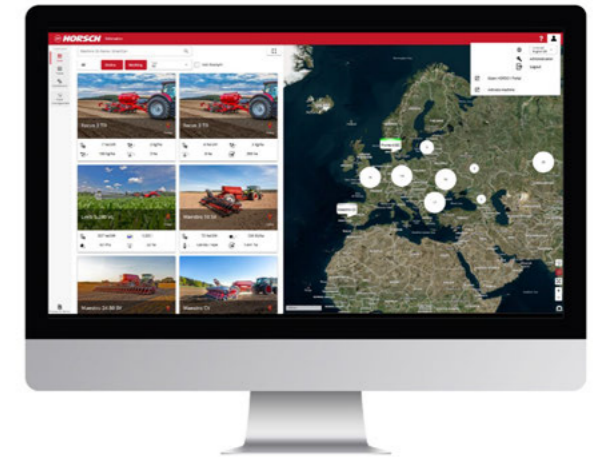
Due to the flexible holder, the eosT10 can be perfectly integrated in every cabin



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

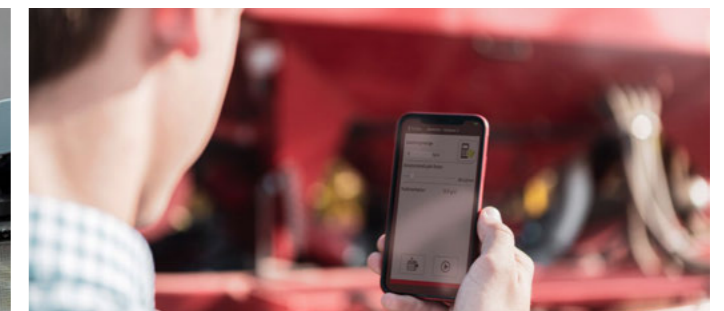
- Digital solutions exactly where they make sense
- Straightforward out-of-the-box solution with integrated SIM card, WLAN modem and other interfaces
- HorschConnect Telematics to document the performance of the machine
- HorschConnect Telematics for complete transparency of the working quality, e.g 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

<b>Express KR</b>	<b>3 KR</b>	<b>3,5 KR</b>	<b>4 KR rigid</b>
Working width (m)	3.00	3.50	4.00
Row spacing (cm)	15.00	14.50	14.25 (14.50)
Transport width (m)	3.00	3.50	4.00
Filling height (m)	2.08	2.00	2.00
Length without/with pre-emergence marker (m)	2.85 / 3.25	2.85 / 3.25	2.85 / 3.25
Weight (kg)	3300 - 3800	3600 - 4250	4100 - 4800
Seed hopper capacity single hopper (l)	1500	1500	1500
Seed hopper capacity double hopper (l)	2000 (45 : 55)	2000 (45 : 55)	2000 (45 : 55)
Dimension of feed opening (m)	0.93 x 2.40	0.93 x 2.40	0.93 x 2.40
Number of seed coulters (PCE)	24 (12.50 cm row spacing)/ 20 (15.00 cm row spacing)	24	28
Coulter pressure (kg)	5 - 120	5 - 120	5 - 120
Seed coulter Ø (cm)	34	34	34
Press wheels Ø (cm)	32	32	32
Packer trapeze ring roller Ø (cm)	50 / 60	50 / 60	50 / 60
Packer tooth packer Ø (cm)	64	64	64
Packer FarmFlex packer Ø (cm)	54	---	---
Number of rotors (PCE)	10	12	14
Operational speed (km/h)	6 - 13	6 - 13	6 - 13
Horsepower requirement (kW/hp)	110 – 185 / 150 – 250	129 – 185 / 175 – 250	147 – 185 / 200 – 250
DA control devices (PCE)	2 (+1 bout marker)	2 (+1 bout marker)	2 (+1 bout marker)
Depressurized return flow (max. 5 bar) (PCE)	1	1	1
Oil quantity hydraulic fan (L2)	20 - 25	20 - 25	20 - 25
Implement attachment 3-point	3-point Cat. III	3-point Cat. III	3-point Cat. III

Your distributor

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