HORSCH

Pronto 6 - 7 DC

UNIVERSAL SEEDING TECHNOLOGY FOR ALL CONDITIONS

Pronto 6 - 7 DC

FASTER – SIMPLER – SAFER

— Low horsepower requirement: low weight, possibility of intermediate and side packer mounted on the machine frame

— Up to three different components can be placed in three different horizons.

— Optional MiniDrill versions are possible as a second or third component.

— DiscSystem as a front tool: 46 cm disc diameter with high circumferential speed for high fine soil production

Pronto Principle

The continuous optimisation of the different working steps in the machine were essential for the success of the Pronto DC. By now, the Pronto principle is well-known all over the world and consists of the following three steps

1. Step: seedbed preparation

The 46 cm discs achieve very high rotational speeds, can mix the soil very aggressively, produce important fine earth and level the see bed.

2. Step: consolidation

The tyre packer that is arranged in one line, guarantees optimum consolidation and levels the soil. Thus, it creates equal conditions for every seed coulter.

3. Step: sowing

Precise seeding is achieved with the TurboDisc coulter of the third generation. It has a coulter pressure of up to 125 kg and is maintenance-free. The double disc coulter pre-shapes the seed furrow, the seed is placed, the uniformer keeps the seed in the seed furrow and the pressure roller guarantees an optimum seed-soil contact

This principle of seedbed preparation, consolidation, and seeding ensures even conditions for each drilled plant and thus results in even emergence.

Pronto 7 DC with front packer

The double hopper system PPF allows for a separate metering and placing of 2 components in 2 horizons

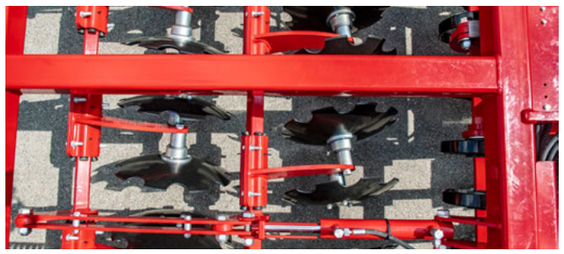
DiscSystem

IDEAL SEEDBED PREPARATION IN ALL CONDITIONS

The 46 cm discs with a serrated profile achieve high otational speeds and the penetration is excellent. The soil is mixed very aggressively, important fine soil is p oduced and the seedbed is levelled. Clearance is optimum as the disc elements are arranged in pairs. This additionally increases the reliability of the machine. The hydraulic depth adjustment allows for an infinitely variable adjus - ment while driving

- Efficient crumbling and even lev ling over the whole working width
- High clearance extends the range of applications and increases reliability
- Increasing quality of work with increasing operational speed
- Hydraulic depth adjustment, infinitely variable while driving

DiscSystem with adjustable track eradictor discs



DiscSystem Pronto DC - 46 cm large discs with serrated profil

Tyre packer with AS profil

RUGGED, EFFICIENT, LOW HORSEPOWER REQUIREMENT

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

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

- Targeted and even levelling and consolidation in front of each seed coulter
- Straight tyre profile inc eases consolidation in the consolidation area
- Efficient consolidation below the seed horizon fo better water distribution towards the seeds
- Low horsepower requirement due to large tyre diameter and no scrapers required

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

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TurboDisc seed coulter

THE THIRD GENERATION GUARANTEES A HEADSTART 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 coulter that has been used and constantly developed further by HORSCH for more than 20 years excels due to its precise seed placement. The press wheel-controlled coulter 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 coulter with maintenance-free bearing opens the soil, allowing for undisturbed 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 contour following, the TurboDisc seed bar excels due to the easy operation: with regard to their adjustment, coulter pressure and seed depth do not influence each other. The maintenance-free rubber bearings of the seed coulters transfer a coulter pressure of up to125 kg and thus guarantee a smooth coulter – 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 coulter
- 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

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 coulter harrow is controlled individually for a more efficient t lage

HORSCH TurboDisc seed coulter

MiniDrill Variant 1 & 2 – Application into the seed coulter

MiniDrill version 3 with double hopper PPF – application into the seed coulter

MiniDrill version 4 with double hopper PPF – application into the PPF disc system

MiniDrill G & F options

ADDITIONAL CAPACITY OF 400 L FOR FINE SEEDS OR MICROGRANULAR COMPOUNDS

With regard to the MiniDrill HORSCH offers various versions.

— The MiniDrill can be used as a second or third hopper for seed, fertiliser or microgranular compounds. It can either meter into the seed coulters or into an optional PPF disc system.

— The MiniDrill with a capacity of 400 l

— Example- 400 l of rape seed in the MiniDrill allow for fi ling the other hoppers with mineral fertiliser.

— Filling stops are easily reduced, and you gain valuable time for sowing. Thus, when sowing rape, the efficienc of the machine almost doubles.

MiniDrill in the front - Pronto DC

MiniDrill G & F options

MiniDrill option 7: application via the baffle between the seed coulters

MiniDrill option 8: application via the baffle behind the coulters

MiniDrill option 9: application via baffles at the optiona Crossbar. Ideal for applying underseeds as they are consolidated again by the tyre packer.

MiniDrill Solo versions

MINIDRILL SOLO VERSIONS FOR THE APPLICATION ON ANOTHER HORIZON

The MiniDrill Solo versions allow for three further application options.

— This further component is applied via deflector plates on the surface of the field

— In this case, you can use the MiniDrill to take along microgranular compound, underseeds or slug pellets

— The solo versions of the MiniDrill are equipped with an own fan, an own pneumatic system with a separate distributor tower and baffl

— There are three options for the position of the baffl

  — Between or behind the seed coulters or at the optional Crossbar in front of the tyre packer of the Pronto

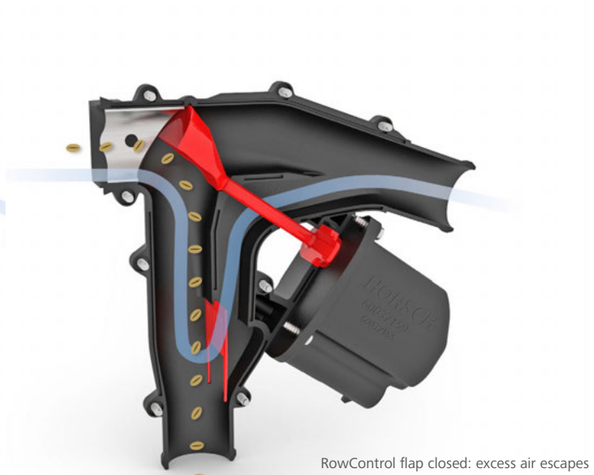
MiniDrill in the rear – Pronto DC

The MiniDrill Solo versions are equipped with an own fan, an own pneumatic system and another placement horizon

RowControl distribution tower

INDIVIDUAL ROW CONTROL FOR SEED DRILLS

RowControl flap open: seed is t ansported 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

The RowControl distribution tower lifts SectionControl in seed drills to a completely new level!

- The new distribution tower can do more than just SectionControl
- Possibility of individual row switch-off to the last row
- Freely selectable tramlines
- Freely adjustable row spacings

These functions are possible as with an individual row switch-off system the distribution tower can separate the air and the seed flo . Thus, this does not affect the lateral distribution.

The SectionControl offers individual row switch-off for saving fertiliser and seed. By avoiding overlaps on the headlands, in wedges or in case of obstacles, the development of the individual plant is improved and the disease and competition pressure in these areas is reduced.

Avoiding overlapping reduces the required seed quantity and prevents over-fertilisation on the headlands and in wedges. Thus, the farmer can save costs quite easily .

RowControl distribution tower - 2-tower version at the Pronto 6 & 7 DC

RowControl distribution tower

ParaDisc seed coulter

PERFECT SEED PLACEMENT EVEN IN DIFFICULT CONDITIONS

ParaDisc seed coulter – coulter pressure of up to 150 kg is possible

The new HORSCH ParaDisc coulter is ideal for difficult condition and ensures a safe seed placement with coulter pressures of up to 150 kg per individual row even in a dry hard seedbed. It is equipped with well-known HORSCH components like the Uniformer, a moving scraper and the well-proven bearing technology. The experiences from the Maestro single grain seed drills and the PowerDisc seed coulter of the Serto SC were included in the design.

- Parallelogram controlled double disc coulter
- Coulter pressure up to 150 kg is possible
- Ideal for difficult conditio
- Long service life due to massive components

ParaDisc seed coulter – 7 cm wide press wheel

Pronto 7 DC with ParaDisc coulter

The HORSCH Uniformer ensures a precise fixing of the seed

Intermediate axle packer & front packer

Low horsepower requirement par excellence

The smallest possible track depths of the tractor in the seedbed ensure good plant populations and contribute to the low horsepower requirement of the Pronto. The tyre packer that can be mounted additionally takes the weight of the machine, relieves the rear axle of the tractor and additionally levels the surface. This guarantees that the disc harrow can work more shallowly and this saves tractive power and fuel.

- Lowest possible track depths of the tractor in the seedbed
- Relieves extra load from the rear axle of the tractor
- Additional levelling of the surface
- Shallow working of the disc harrow is possible due to the lower track depths of the tractor
- Low horsepower requirement saves fuel

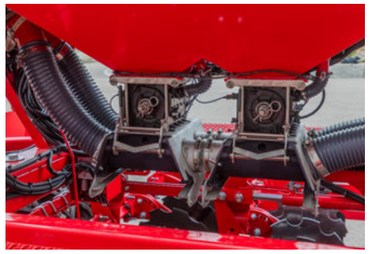
Front packer - Pronto DC

Lowest possible track depths of the tractor in the seedbed

Fuel savings due to optimised low horsepower requirement

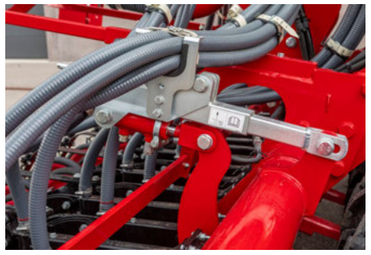
ADDITIONAL EQUIPMENT

WorkLight Pro



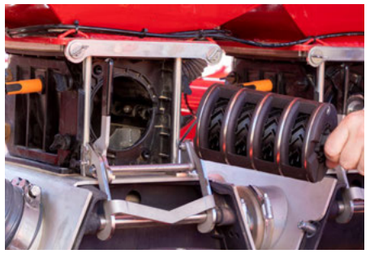
Double hopper G&F - meter different components separately and place them together in the seed coulter

Outside PPF distribution tower for optimum accessibility



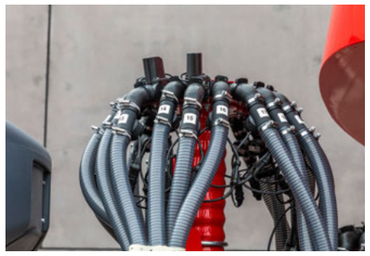
The coulter pressure can be increased via the tractor control device

Spelt pneumatics for husk-bearing seeds



Fine metering insert – rotor

The harrow is placed between the DiscSystem and the tyre packer. The adjustment is carried out mechanically via a hole pattern.



Fertiliser and seed flow cont ol – for a permanent monitoring of the seed and fertiliser hoses

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

Oil cooling on the hydraulic fan – heats the air flow in the pneumatic syste

Lowers the oil temperature in the system and relieves the tractor’s oil cooler

Monitoring of the pneumatic flow at the distribution tower

INTELLIGENCE

eosT10/eosT10 Pro

— High-resolution 10“ terminal for controlling all ISOBUS devices according to ISO 11783

— Reliable and powerful: high-performance hardware combined with intuitive, user-friendly operation in day or night mode

— Various layout options allow for a simultaneous display of several applications – for an optimum overview

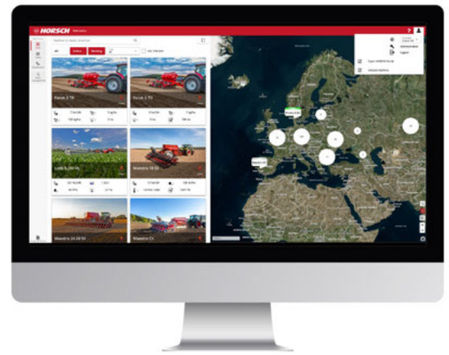
— Straightforward transfer of application maps with the wireless task data exchange

— A real-time transmission of the terminal display via Remote Support facilitates the technical support.

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.

HorschConnect

Prepare today for tomorrow. Easily control various machine functions via the HORSCH Control app – your smartphone complements the terminal! Gain comprehensive, transparent insight into work rate and work quality with HorschConnect Telematics.



With HorschConnect, telemetry solutions are making their way into the sectors seeding and crop care - exactly where they make sense

— 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

— Targeted and proactive service by remote access to error messages

— Control of machine functions via the smartphone app HORSCH Control: e.g. Calibration of all metering devices

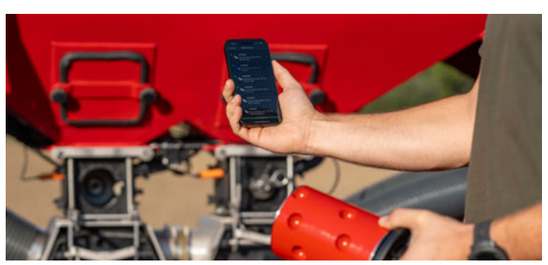
The HORSCH Control app allows for controlling individual machine functions - comfortably with a smartphone

Rotor selection

— Facilitates the selection of the optimum rotor for any application

— Wide selection range from normal seed to fine seed to fertiliser and microgranular compound

— Expert mode to carry out rotor configu ations also for variable operating speeds and application rates



The HORSCH Assist app with the „Rotor Selection“ function helps you to choose the optimal rotor for each application.

AutoLine

— Automatic, GPS-based tramline control

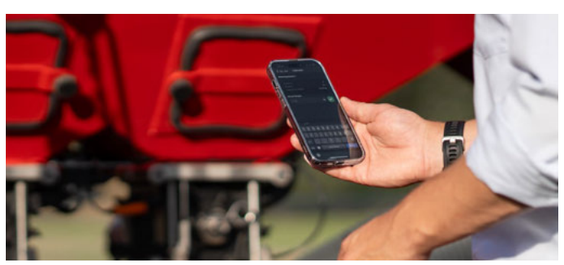
— Optimised driving strategy near obstacles or on the headlands

— Track-to-track driving is no longer required

— Available in combination with the eosT10 Pro terminal or other tramline-capable ISOBUS terminals

Drill independently of the track rhythm with universal seeding technology and HORSCH AutoLine

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



Quick and easy calibration of the machine via smartphone with the HORSCH Control app

TECHNICAL DATA

Pronto 6 - 7 DC	6 DC	7 DC
Working width (m)	6,00	7,20
Transport width (m)	3,00	2,98
Transport height (m)	2,99	3,93
Length (m)	8,30	8,50
Axle load (kg)	5700 - 8900	7800 - 10000
Vertical load (kg)	700 - 1600	750 - 2000
Seed hopper capacity (l)	4000	4000
Hopper capacity double hopper (l)	5000 (40 : 60)	5000 (40 : 60)
Hopper capacity MiniDrill (l)	400	400
Feed opening single hopper (m)	0,75 x 2,40	0,75 x 2,40
Feed opening double hopper (m)	0,66 x 2,40	0,66 x 2,40
Filling height single hopper (m)	2,65	3,10
Filling height double hopper (m)	2,90	2,95
Application rates of pressure tank system at the seed coulter at 10 - 15 km/h (kg/ha)	Wheat 600 - 400 / Barley 480 - 320 / Oats 390 - 260	Wheat 600 - 400 / Barley 480 - 320 / Oats 390 - 260
Application rate of PPF fertilizer coulters at 10 - 15 km/h (kg/ha)	350 - 230	350 - 230
Application rates of the injector system at 10 - 15 km/h (kg/ha)	Single tower: wheat 310 - 210 / barley 250 - 160 / oats 200 - 130, double tower: wheat 350 - 230 / barley 280 - 190 / oats 230 - 150	---
Number of PPF coulters (Piece)	20	24
Coulter pressure PPF coulters (kg)	up to max. 200	up to max. 200
Number of seed coulters (Piece)	40	48
Coulter pressure seed coulters TurboDisc (kg)	15 - 125	15 - 125
Coulter pressure seed coulters ParaDisc (kg)	25 - 150	25 - 150
Seed coulters/press wheels Ø TurboDisc (cm)	34 / 32	34 / 32
Row spacing (cm)	15	15
Tyre packer size	7.50 - 18 AS	7.50 - 18 AS
Tyre packer Ø (cm)	85	85
Operational speed (km/h)	10 - 20	10 - 20
Horsepower requirement (kW/hp)	120 - 185 / 160 - 250	145 - 205 / 200 - 280
DA control devices	3 (plus +1 each for fi ling auger, coulter pressure adjustment, crossbar)	3 (each +1 for fi ling auger, coulter pressure adjustment, Crossbar)
Depressurised return flow (max. 5 bar)	1	1
Oil quantity hydraulic fan (l/min)	20 - 25 single hopper / 35 - 45 double hopper	20 - 25 single hopper / 35 - 45 double hopper
Implement attachment lower link	Cat. II/III – III – III/IV	Cat. II/III – III – III/IV
Implement attachment adjustable drawbar (mm)	Pin Ø 40 – 50	Pin Ø 40 – 50
Implement attachment ball head	K 80	K 80

Your distributor

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