

Sprinter

HORSCH

Farming with passion

Sprinter ST

Sprinter NT

Sprinter SW

INNOVATIVE AND ROBUST TINE SEEDING TECHNOLOGY



FARMING WITH PASSION



WE WANT TO BUILD THE BEST AGRICULTURAL MACHINES

We feel committed to the farmers' community and the wishes of our customers. Thus, it is only logical that for our products and services we aim for the highest standard. This is true for research, design and development as well as for assembly, technical service and advisory service.

We take the time for extensive studies, use the machines on our own farms, more than 3 000 hectare – to experience ourselves what we have developed and what we are talking about.

We assume **responsibility** in farming and share the feelings of our customers – this is what we are working for with all our passion.

WE WANT TO SHARE OUR PASSION FOR FARMING

As we are farmers ourselves, there is always an **exchange** with our customers to stay well informed about their requirements with regard to our products. They are our **motivation**, our **driving force** and our **partner** at the same time. We attach great importance to a close contact to our customers and to approach them on an equal level. We are a **forum** and a **community for farmers** where we talk to each other, carry out tests and exchange experiences to – together with them – get better and better. This **bond** is our **backbone** helps us never to forget what we are working for.

We want to advance and inspire **farming** as farming inspires us and we want to give every farmer the possibility to contribute personally.



THERE IS NO SUCCESS WITHOUT PASSION

When we thought about a perfect slogan for HORSCH, there was one that quickly came to mind: "**Farming with passion**". For this passion can be found in **each** of our **products** and also in the actions of every single HORSCH employee.

Everyone in the company – from the management to the mechanic – lives the **passion** that makes a simple product a unique one that excels due to **innovation** and **uncompromising quality** and can be adapted perfectly to the **requirements** of every single farmer in every country.

"We have always been and will always be farmers who intensively deal with a sustainable cultivation of the soil. Farming has a **future** and it is worth it to work hard – for the farmer as well as for the manufacturer of agricultural machinery. Each time a farmer looks into the rear-view mirror of his tractor and sees red he is to know that he opted for **uncompromising quality**."

Philipp Horsch

Cornelia Horsch

Michael Horsch

Sprinter

THE WAY TO SEED TODAY.



Sprinter ST

HORSCH. Working side by side with farmers

Specialisation, growth, cooperation: due to rapid changes in agriculture, manufacturers of agricultural equipment are facing new challenges. Optimising the cultivation, seeding and harvesting process, reducing costs as well as increasing yields and quality of crops are our prime goals.

As an innovative pioneer, HORSCH has become one of the leading manufacturers of cultivation and seeding technology. New technological standards are rigorously tested in our trials – standards of quality, precision and durability. HORSCH advises farmers on the development of individual cropping systems and farming strategies. Together with our distributors and service agents HORSCH aims to provide the best customer service by ensuring that repairs are carried out swiftly and that spare parts are always available.

Soil preparation, seeding, fertilisation, consolidation

The Sprinter ST is a tine seeder that combines soil preparation, seeding and fertilisation in one pass. The robust Sprinter has clear advantages in min-till conditions, with lots of straw residues still remaining on the soil surface. Strong frame design, low draft coulters and large seed hoppers allow high performance with an excellent economic input/output ratio.

Several time-consuming processes are reduced to one pass, thus increasing the precision of seed and fertiliser placement. The gentle tyre packing system* ensures optimal seed to soil contact. Not only does the use of the Sprinter result in better efficiency, but in an improved, even seed germination and stronger plants (HORSCH PPF-System*). Ideal conditions for high yield potential are thereby created.

* not for Sprinter NT

Three models to help you to achieve these aims

- Sprinter ST:
 - 3 ST: Tandem packer (without brake) tyre packer (with brake)
 - 4/6 ST: only Tandem packer (with and without brake)
 - 8 ST: only tyre packer (with and without brake)
- Sprinter 8/9/12 SW: only tyre packer (with and without brake)
- Sprinter NT

Seeding with high precision

The multi-row frame of the Sprinter is carried by front wheels/front packer and the tandem tyre packer. The depth control is separate for each frame section. Thus, each section can adjust individually to the ground surface and place the seeds precisely at the set depth. When lifting or lowering the Sprinter, the whole frame is moved to ensure quick u-turns and an even start of operation.

All **Sprinter ST** are equipped with large-capacity seed hoppers up to 5 000 litres. The seed waggon of the **Sprinter SW** even has a capacity of 8 000 litres of seed and fertiliser for maximum efficiency. For the Sprinter NT the capacity is up to 17 000 litre.

The coulters are mounted on durable tines with a trip release system. The trip release system requires more than 200 kg of force in order to set off. This ensures consistent seeding depth – also in problematic soil types and conditions.

The coulters place the seeds in bands. A harrow provides even soil coverage (except for Sprinter 8 ST/12 SW). Finally each seed band is consolidated with a tyre packer (tractor treaded tyres) to guarantee good seed to soil contact (except for Sprinter NT).



Sprinter 15 NT



Sprinter SW

Your benefits include:

- High efficiency by combining soil preparation and seeding in one pass
- Good performance (acreage per hour)
- Flexible handling
- Excellent levelling qualities
- Large tine stagger guarantees high trash clearance
- High coulter pressure (up to 285 kg for Sprinter ST/SW) ensures precise depth control
- Optimal seed to soil contact
- High efficiency due to large-capacity hoppers
- 3 to 12 metre working width for Sprinter ST and SW
- 11 to 24 metre working width for Sprinter NT

COULTERS

SPECIALISED FOR INDIVIDUAL REQUIREMENTS

The **HORSCH MultiGrip tine** has balanced spring characteristics with a coultter pressure of 285 kg. The powerful set of springs ensures precise coultter setting and therefore seeding depth – even in heavy soil. High quality materials and large pivoting points make grease nipples unnecessary. The seed coultters of the Sprinters are arranged in 3 bars with a tine spacing from 25 cm to 32 cm (depending on the working width). (Sprinter 3/4/6 ST: 3-bar, Sprinter 8 ST: 2-bar, Sprinter 8/9 SW: 3-bar, Sprinter 12 SW: 2-bar).

Different coultters are available which can be changed easily. The coultters prepare a perfect seed bed. Like a cultivator they loose, level, mix and crush the soil. The coultters remove stones, rough soil clods and straw residues from the area of seed placement. The seeds are placed with precision and the young plants can grow undisturbed and develop a strong root system.

The **Sprinter NT chisel coultter sowing technology** allows for a high amount of fine earth in the seed row and for the placement of the seed in a so-called “open furrow”. The seed coultter forms a furrow and removes lumps and organic material from the seed horizon.

Your benefits include:

- Optimal seed bed preparation
- Precise seed placement
- Simultaneous fertiliser placement with HORSCH PPF-System optional (not for Sprinter NT)
- Low maintenance and wearing costs (Sprinter ST and SW)
- Sprinter NT ideal for no-till farming

HARROW AND TANDEM PACKER

LEVELLING, COVERING, CONSOLIDATION

To ensure proper seed coverage and an even soil/straw distribution above the seed bands, a 2-row harrow follows behind the coultters (for Sprinter 8 ST and 12 SW this is carried out via a disc levelling system). The harrow can be adjusted in height and angle.

At last, the tandem tyre packer consolidates the seed band. Sprinter 3 ST: Tandem packer (without brake), tyre packer (with brake), Sprinter 4/6 ST: only Tandem packer (with and without brake), Sprinter 8 ST: only tyre packer (with and without brake), Sprinter 8/9/12 SW: only tyre packer (with and without brake). The packing system is aligned in such a way that each tyre follows exactly behind a coultter. Thus, each seed band is consolidated evenly and each seed has optimal soil contact. The tyres have a tractor profile tread and are filled with air.

The tractor profile of the tyres and the consistent tensioning of the rubber keep the tyres clean, also under wet conditions. For road transport, the middle section of the packing system acts as transport wheels, except for Sprinter NT which has an own chassis. An additional front packer on the Sprinter improves the crumbling and the levelling of the soil and facilitates an exact seed placement.

Your benefits include:

- Precise depth control
- Even coverage of seeds
- Optimal seed to soil contact by aligning packing system with coultters
- Self cleaning tyre packer



The Duett coultter with dry fertiliser injector in combination with the MultiGrip shank is a combination coultter for simultaneous seed and fertiliser placement which places the seeds in a double row

Sprinter ST Duett coultter with liquid fertiliser connection

NT chisel coultters remove lumps from the seed horizon and place the grain precisely

2-row harrow for even distribution of soil and straw

Tyre packer (Tandem packer)

Individual depth adjustment with clip-on spacers

Sprinter ST/SW

INNOVATIVE AND ROBUST TINE SEEDING TECHNOLOGY

Sprinter ST/SW

The **Sprinter** is a robust, compact and multifunctional tine seed drill available in working widths from 3 to 12 m. Due to the Duett coulters it is possible to sow, fertilise (except for Sprinter 8 ST) and at the same time cultivate the soil effectively as well as produce fine soil in the area where the seed is placed.

The Sprinter tines effectively remove harvest residues from the seed horizon. Due to its large-capacity seed hopper the **Sprinter** is a high hectare output machine.

The seed coulters of the **Sprinter** are arranged in 3 bars (Sprinter 8 ST and 12 SW in 2 bars) with a tine spacing of 25 cm to 32 cm. They prepare the seedbed in an optimal way. As with a cultivator tine the soil is loosened, levelled, mixed and crushed.

Your benefits include:

- Universal use: after plough, minimum cultivation and direct sowing
- **Sprinter ST:** up to 4 000 l seed or 5 000 l seed + fertiliser
- **Sprinter SW:** up to 8 000 l seed or 4 000 l seed + 4 000 l fertiliser
- Working speeds of 8–15 km/h
- Tines remove harvest residues effectively from the seed horizon
- High coulters pressure (285 kg) for exact depth control
- Low horsepower requirement
- Seeding coulters and tools for mixing, crushing and levelling
- Specific consolidation in the germination zone
- High efficiency of the Sprinter with large hopper for fertiliser and seed

Large seed hopper

The seed wagon 8 000 SW of the **Sprinter SW** has a capacity of 8 000 litres (partition 50% seed/50% solid or liquid fertiliser).

Good manoeuvrability

A two-point pivoting headstock links the compact Sprinter with the tractor. Tractors with wide tyres can make close turns, up to 90°. Any mechanical drives were eliminated.

Precise depth control

The Sprinter is carried and the seeding depth controlled by two front wheels, the tandem packer* and the tractor. A front packing system is optional and supports precise depth control.

PPF System for granular or liquid fertiliser

The Sprinter ST/SW can be equipped with the HORSCH PPF-System (Precision Placement of Fertiliser). The granular or liquid system includes a two compartment hopper for seed and fertiliser on the SW.

Your benefits include:

- Compact design
- Good manoeuvrability and low draft requirement
- Easy to use
- Large seed hopper

* Sprinter 8 ST and 8/9/12 SW: only tyre packer (with and without brake)



Sprinter 12 SW:
Support wheel with intermediate packer

Harrow behind the packer
(optional for Sprinter SW/ST)

Front packer for first levelling
and then improved depth control

Seed wagon 8000 SW of the Sprinter SW
for maximum efficiency

Side limitation on the Sprinter ST

Sprinter ST with PPF

Sprinter ST with single hopper

Sprinter NT

EFFICIENT TINE SEED DRILL FOR NO-TILL FARMING



The **Sprinter NT** with 11 and 24 metre working width stands for maximum efficiency. The HORSCH NT chisel coulter sowing technology allows for a high amount of fine earth in the seed row and for the placement of the seed in a so-called "open furrow".

The seed coulter forms a furrow and removes lumps and organic material from the seed horizon. The seed is placed into this furrow and fixed in the wet soil by the press wheel. Thus, very good emergence is achieved even under extreme climatic conditions. Sowing is possible into cultivated as well as into uncultivated soil. The seed drill is ideal for no-till farming.

The **Sprinter 24 NT** achieves maximum efficiency due to its working width and the corresponding seed hopper SW 17000 SD with a hopper capacity of 17 000 litre.

The 11/15 metre wide version has some particular characteristics: Seed waggon and seed unit are a more compact unit. Moreover, the **Sprinter 11/15 NT** is equipped with a slightly smaller seed waggon with a capacity of 12 000 litre.

The advantages of the Sprinters at one glance:

- Optimal seed drill for no-till farming
- Perfect for professional large farms
- Seed horizon is free from straw and lumps
- Sowing into the open furrow. Seed grain falls in wet soil for optimum germination conditions.
- Press wheel fixes seed grain in the wet soil
- Maximum efficiency due to a hopper capacity of up to 17 000 litre
- Hydr. coulter pressure adjustment with overload protection
- **Sprinter 11/15 NT:** compact with low power demand
- Partitioned hopper allows for a simultaneous placement of seed and fertiliser in the seed furrow
- User-friendly: Almost no moving and very low-wearing parts at the seed elements
- Tine bearing in rubber elements: robust and maintenance-free
- All components are very easy accessed



Sprinter 11 NT



NT chisel coulters remove lumps from the seed horizon and place the grain precisely



Press wheel for depth control of the seed coulters



Sprinter 24 NT on the road



Sprinter 24 NT while folding



Sprinter 24 NT at work

PPF-SYSTEM

PPF-System – Precise and efficient placement of fertiliser

- Precise placement of nutrients close to the plant
- Quick and sustainable fertiliser effect
- High efficiency of fertiliser
- High stability of fertiliser
- Good plant tolerance also with large fertiliser quantities
- High economic viability of fertiliser usage
- Available as an option for Sprinter ST and SW (except for Sprinter 8 ST)

HORSCH TERMINAL

HORSCH Terminal and metering unit – The complete operation under your control.

- Easy handling
- Individual programming and precise metering
- Various seed rollers for different seed rates
- Permanent control and adjustments possible
- Modular design for customised versions
- Micro-granular unit for a third component (only for Sprinter 3/4/6 ST)



PPF fertiliser coulters – maintenance-free coulters with high coulters pressure



Sprinter 4 ST with double hopper



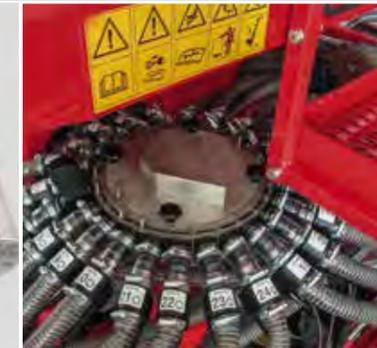
Auger metering unit for micro-granular (Sprinter 3/4/6 ST)



HORSCH terminal for checking and controlling the functions of the machine



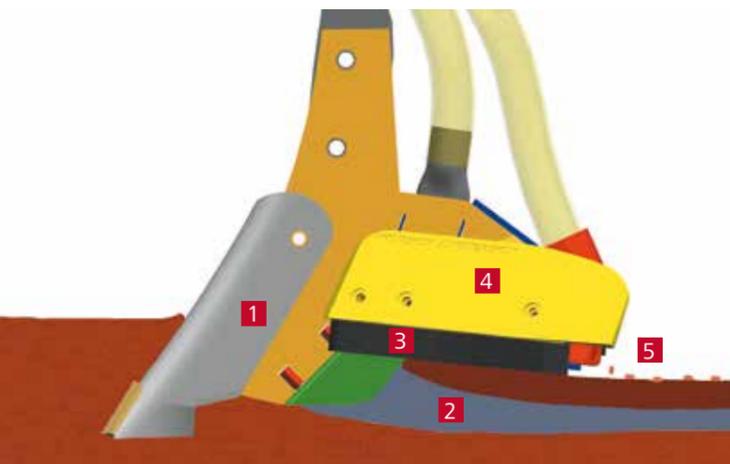
High performance metering unit with various seed rollers for different seed rates



Precise seed distribution



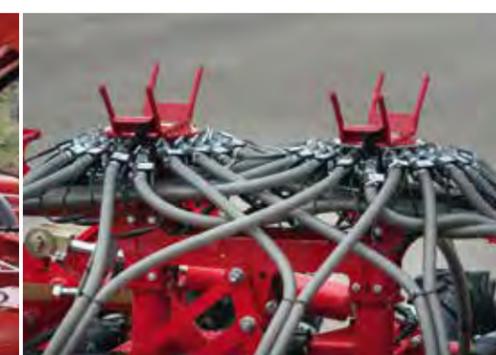
Permanent seed flow control



- 1 Replaceable coulters point – opens the soil and loosens the area below the seeds
- 2 Fertiliser pipe – to place the fertiliser below the seeds
- 3 Wedge shaped plate – closes the slot and consolidates the soil for 2–3 cm.
- 4 Plastic slide shield – soil does not stick to it, even under wet conditions
- 5 Seed pipe, seed placement in a double row



Compact metering unit
Precise metering with electric drive



Sprinter distribution heads
for an optimum cross distribution



Duett coulters

SPECIFICATIONS



HORSCH Sprinter ST	Sprinter 3 ST	Sprinter 4 ST	Sprinter 6 ST	Sprinter 8 ST
Working width (m)	3.00	4.00	6.00	8.00
Transport width (m)	3.00	3.00	3.00	3.00
Transport height single hopper (m)	3.00	2.80	3.35	4.00
Transport height double hopper (m)	3.40	3.30	3.40	---
Length (m)	8.20	8.51	8.51	7.30/7.50
Weight with single hopper from (kg)*	3 200	4 000	5 400	7 150
Weight with double hopper from (kg)*	3 450	4 550	6 020	---
Seed hopper capacity (l)	3 000	2 800	3 500	4 000
Double hopper capacity (l)	3 800 (40:60)	5 000 (40:60)	5 000 (40:60)	---
Feed opening single hopper (m)	1.00x2.40	1.00x2.40	1.00x2.40	1.00x2.40
Feed opening double hopper (m)	per 0.60x0.90	per 0.60x0.90	per 0.66x1.22	---
Filling height single hopper (m)	2.60	2.46	2.69	2.85
Filling height double hopper (m)	3.00	2.95	2.95	---
Tine spacing (cm)	25	28.6	27.3	32
Number of seed coulters/coulter rows	12/3	14/3	22/3	25/2
Tyre packer size tandem packer	185/65-15 AS	7.5-16 AS	7.5-16 AS	---
Tyre packer size rigid packer	6.00-16 AS	---	---	7.50-16 AS
Tyre packer tandem/rigid Ø (cm)	65/74	-/78	-/78	-/78
Working speed (km/h)	8-15	8-15	8-15	8-15
Power demand (KW/HP)	75-100/100-140	90-120/120-160	120-160/160-230	160-220/220-310
Double-acting control devices	2 (+ 1 with hydr. filling)			
Depressurized return flow (max. 5 bar)	1	1	1	1
Oil quantity hydr. fan (l/min)	20-25/30-45 (PPF-System)	20-25/30-45 (PPF-System)	20-25/30-45 (PPF-System)	20-25
Bout marker hydr.	Standard	Standard	Standard	Standard
HORSCH Terminal	Standard	Standard	Standard	Standard
Road lighting equipment	Standard	Standard	Standard	Standard

* Weights of the machine with minimum equipment and Tandem packer (Sprinter 8 ST tyre packer) without brake

HORSCH Sprinter NT	Sprinter 11 NT	Sprinter 15 NT	Sprinter 24 NT
Working width (m)	10.80	15.00	24.00
Transport width (m)	6.60	6.60	6.75
Transport height (m)	3.70	5.55	6.10
Length (m)	6.70	6.70	9.60
Length with SW 12000 SD (m)	12.35	12.35	---
Length with SW 17000 SD (m)	---	---	17.70
Weight without SW from (kg)*	7 650	8 800	16 000
Weight with SW 12000 SD from (kg)	12 350	13 500	---
Weight with SW 17000 SD from (kg)	---	---	21 200
Hopper capacity seed waggon (l)	12 000 (50:50)	12 000 (50:50)	17 000 (50:50)
Dimension feed opening (m)	per 0.99x0.72	per 0.99x0.72	per 0.99x0.72
Filling height (m)	3.40	3.40	3.55
Tine spacing (cm)	30	25/30	30
Number of seed coulters/(coulter rows)	36/(3)	60/50/(3)	80/(3)
Rollers Ø (cm)	40	40	40
Rollers/coulter pressure (kg)	5-120	5-120	5-120
Tyre size seed waggon	Twin tyres 20.8 R 42 (resp. 520/85 R 42)		
Tyre size chassis	400/60-15.5	400/60-15.5	420/75 R20
Tyre size support wheels	400/60-15.5	400/60-15.5	400/60-15.5
Working speed (km/h)	7-10	7-10	7-10
Power demand (KW/HP)	210-235/285-320	260-295/350-400	405-440/550-600
Double-acting control devices	3	3	3
Depressurized return flow (max. 5 bar)	1	1	1
Oil quantity hydr. fan (l/min)	40-50	40-50	50-60
HORSCH Terminal	Standard	Standard	Standard
Road lighting equipment	Standard	Standard	Standard

* Weights of the machines with minimum equipment

HORSCH Sprinter SW	Sprinter 8 SW	Sprinter 9 SW	Sprinter 12 SW
Working width (m)	8.00	9.00	12.00
Transport width (m)	3.00	3.00	3.30
Transport height (m)	4.00	4.00	4.00
Length without/with SW 8000 SD (m)	6.85/12.10	6.85/12.10	5.95/11.30
Weight without/with SW 8000 SD (kg)*	7 000/10 750	7 700/11 500	10 300/14 200
Hopper capacity seed waggon	8 000 (50:50)	8 000 (50:50)	8 000 (50:50)
Dimension feed opening (m)	per 0.99x0.72	per 0.99x0.72	per 0.99x0.72
Filling height (m)	3.05	3.05	3.05
Tine spacing (cm)	28.50	30.00	30.00
Number of seed coulters/coulter rows	28/3	30/3	40/2
Tyre packer size	7.50-16 AS	7.50-16 AS	7.50-16 AS
Tyre packer Ø (cm)	78	78	78
Working speed (km/h)	8-15	8-15	8-15
Power demand (KW/HP)	200-270/270-370	220-310/300-420	240-330/330-450
Double-acting control devices	2	2	2
Depressurized return flow (max. 5 bar)	1	1	1
Oil quantity hydr. fan (l/min)	50-60	50-60	70-90
Bout marker hydr.	Standard	Standard	Option
HORSCH Terminal	Standard	Standard	Standard
Road lighting equipment	Standard	Standard	Standard

* Weights of the machines with minimum equipment with front support wheels and seed system partitioned hopper





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O'CONNORS 

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