

**HORSCH**

*Farming with passion*

# Terrano FM

CULTIVATION  
WITHOUT COMPROMISE



# Terrano FM

EXTREMELY LOW HORSEPOWER REQUIREMENT!



## Terrano FM – Efficient universal cultivator

The HORSCH **Terrano FM** is ideal for shallow and medium-deep tillage. The 4-bar frame design with a tine spacing of 27 cm guarantees intensive mixing and levelling. In the field, the Terrano FM turns on the whole packer width and on the front support wheels thus allowing for fast and safe turning manoeuvres despite the large working widths.

The **double RollPack packer** guarantees high operational reliability combined with intensive consolidation and a good surface structure.

# Terrano FM

## EFFICIENT UNIVERSAL CULTIVATOR



The **Terrano FM** is ideal for shallow stubble cultivation and medium-deep tillage, depending on the tractor power. Due to its 4-bar design it achieves intensive mixing and with a tine spacing of 27 cm the horsepower requirement is still low.

The Terrano FM has a large clearance for working without cloggings in case of large amounts of harvest residues. It is equipped with TerraGrip tines of the third generation – they guarantee an exact coulter control due to high release forces. Due to large pivot points they are maintenance-free and very solid. The well-proven MulchMix point guarantees an excellent levelling effect with a low horsepower requirement.

In the field, the Terrano FM turns on the packer, thus guaranteeing high soil protection on the headlands. For road transport, the turret chassis moves downwards and changes place with the middle packer segment. The chassis is located centrally in the machine and guarantees high stability and driving comfort during transport.

The disc levelling with maintenance-free oil-bath bearing guarantees an even levelling of the soil already in front of the packer. The rest is carried out by the very solid and sophisticated double RollPack packer. Due to its stable design it is suitable for almost all types of soil. The interlocking packer rings guarantee an excellent self-cleaning.

Depth control is carried out hydraulically via the packer and the swing support wheels. To adjust the machine exactly, the well-proven AluClips (colour-coded) are clipped to the cylinders.

Despite its large working width the transport width of the Terrano FM is 3 metre with a frame height of 600 mm and 3.63 metre with a frame height of 750 mm.

The TerraGrip tines of the third generation make the difference. The 3 m version is equipped with tines with a tine spacing of 60 cm, the 3.63 m version with tines with a tine spacing of 75 cm. Thus, release forces of the tines are different – 515 kg for the 3 m version and 630 kg for the 3.63 m version.

### What are the excelling features of the Terrano 10/12 FM?

- Wide, central low chassis for perfect stability during transport
- Exact depth control via front support wheels and packer
- Turning in the field on the whole packer width = minimum load on the headlands and high turning speeds
- 600 resp. 750 mm frame height for transport widths of 3.0 m resp. 3.63 m
- Double packer
- TerraGrip tines

### HORSCH Milestone – Farming without a plough

During the 30-year-old company tradition **HORSCH** – like no other manufacturer – contributed to the breakthrough of **tillage without a plough**. In 2013, these efforts were awarded with the “**Milestone of Agricultural Engineering**” award. A lot of products, e. g. the Terrano, Tiger and Joker models and last but not least the universal seed drill Pronto DC, allow for farming without a plough on the highest level. According to the Federal Statistical Office by now 40 per cent of the arable land is cultivated without a plough. For wheat it amounts to even 60 per cent. 20 years ago no-one dared to believe that. **HORSCH** played an important part in getting this far. With this background other milestones in agricultural engineering will be developed.



Terrano FM while folding

Terrano 12 FM only 3 m wide when folded

# TerraGrip

## SOLID SAFETY

The **TerraGrip** is a very powerful tine with overload protection. The trip height amounts to 25 cm without triggering a shear bolt. This saves time and money. Due to the effective stone protection the tine moves quickly in case of overload and due to the spring force penetrates the soil again quickly and exactly – without the usual side movements.

The force of the spring kit when avoiding an obstacle decreases from 515 kg (Terrano 10/12 FM 3 m)/630 kg (Terrano 10/12 FM) to 175 kg, thus reducing the force that acts on the frame considerably. The optimised spring kit allows for an exact coulter control in the desired working depth – even on heavy soils and large working depth. Due to high-quality material and large pivot points it can do without lubricating points.



### TerraGrip III illustration

TerraGrip III 515 kg (Terrano 10/12 FM 3 meter), 630 kg (Terrano 10/12 FM) release force/25 cm trip height.

When releasing the force decreases to 170 kg. This releases the stress on the frame.



# HORSCH

## POINT VERSIONS FOR ANY USE

The **MulchMix point** with its steep angle is designed for the intensive mixing of harvest residues and deep cultivation. Due to the large diameter (600 mm) of the **HORSCH MulchMix point** the soil is not pressed and its structure remains intact. Regardless of the working depth: The point never penetrates the soil vertically. This reduces the horse power requirement and saves valuable petrol. Even if there are high amounts of straw, it achieves an excellent mixing quality. The MulchMix points consist of three parts (point, guide plate, wing) which can be changed independently.

For a very shallow stubble cultivation and all-over cutting the wings can be set to a shallow position. If deep loosening and at the same time an excellent mixing of the soil is desired, the wings can simply be dismantled.

If a deep loosening is sufficient and mixing is not required, **HORSCH LD points** that loosen excellently up to 15 cm below the surface and do not move much earth can be mounted.



# TECHNICAL SPECIFICATIONS

HORSCH Terrano FM	10 FM (3 meter)	10 FM	12 FM (3 meter)	12 FM
Working width (m)	10.26	10.26	12.15	12.15
Transport width (m)	3.00	3.63	3.00	3.63
Transport height (m)	4.00	4.00	4.00	4.00
Length (m)	9.50	9.50	9.50	9.50
Axle load (kg)*	9 000–10 000	12 600 (total weight)	9 600–10 800	13 360 (total weight)
Support weight (kg)*	3 100–3 500	---	3 400–3 800	---
Tyre size support wheels	400/60–15.5	400/60–15.5	400/60–15.5	400/60–15.5
Tyre size chassis	445/65–22.5	445/65–22.5	445/65–22.5	445/65–22.5
Working depth max. (cm)	15	15	15	15
Number of tines	39	39	45	45
Tine spacing (cm) in one row	108	108	108	108
Tine spacing (cm)	26	26	27	27
Frame height (mm)	600	750	600	750
Double-acting control devices	3	3	3	3
Power demand (kW/hp)	330–405/450–550	370–480/500–650	330–405/450–550	370–480/500–650
Connection via lower link	Cat. III–III/IV–IV	Cat. III–III/IV–IV	Cat. III–III/IV–IV	Cat. III–III/IV–IV
Connection via adjustable drawbar	Ring hitch Ø 58–79 mm	Ring hitch Ø 58–79 mm	Ring hitch Ø 58–79 mm	Ring hitch Ø 58–79 mm
Adjustable drawbar linkage hitch ball joint	Eyes Ø 51–71 mm	Eyes Ø 51–71 mm	Eyes Ø 51–71 mm	Eyes Ø 51–71 mm
Connection via ball head	K 80/K 110	K 80/K 110	K 80/K 110	K 80/K 110

\* Weight of the machines with minimum/maximum equipment



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

[horsch.com](http://horsch.com)

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