

ESTRELA

Precision and agility in planting



ESTRELA

ESTRELA IS THE MOST COMPLETE PLANTER ON THE MARKET, COMBINING STARA INTEGRATED TERRAIN-FOLLOWING, EASY, AGILE TRANSPORT AND A FACTORY-FITTED IN-FURROW SPRAYING SYSTEM, WITH NO ADAPTATIONS REQUIRED.

IT HAS TWO FERTILISER SECTIONS AND A COMPLETE PACKAGE OF SOLUTIONS AND TECHNOLOGIES THAT BRING GREATER PRODUCTIVITY AND PRACTICALITY TO THE FIELD. IT ALSO FEATURES DPS-E, WHICH DELIVERS THE BEST SEED SINGULATION ON THE MARKET, AND ONLY 7 LUBRICATION POINTS, ELIMINATING THE NEED FOR MAINTENANCE DURING PLANTING.





ESTRELA

BETTER GROUND FOLLOWING

Available from 18 to 33 rows, Estrela features Stara's proven **Integrated Terrain Following System**, which provides three levels of ground following to ensure uniform planting, even on uneven ground.

EXCELLENT CUTTING POWER

The hydraulic system allows cutting force to be adjusted directly from Topper. The sections adjust automatically, eliminating the need for shims or additional weights.

Excellent cutting performance, even in compacted soils.

Hydraulic row-unit pressure control

Keeps downforce consistent across all seed rows, **reducing vibration, maintaining stability and placing seeds uniformly in the soil.** Adjustments are made on Topper.

1 - Chassis articulation through pneumatic springs

The chassis has three sections: one central section and two side sections. Pneumatic springs transfer weight from the centre to the sides, maintaining consistent cutting force across the full width of the planter and ensuring uniform planting from end to end.

24° of articulation **12°** upwards
12° downwards

1.31 m

total articulation of the combined row unit

2 - Module terrain following

Provides articulation for all rows in all terrain conditions.

3 - Row unit ground following

Each row unit articulates independently, helping maintain consistent seed depth and preventing seeds from being left exposed on the soil surface.



THE BEST STRAW FLOW

Estrela also delivers excellent straw flow, helping ensure **efficient operation, prevent build-up, reduce the risk of blockages** and achieve more uniform, precise planting.

NO MAINTENANCE DURING PLANTING

Easy maintenance is another key advantage of Estrela. Lubrication is only required before planting, helping keep the machine running without unnecessary stops.

Robust structure

Estrela is a robust planter designed for high performance in the field.

- The gauge wheel arms are fitted with bearings.
- The rotating components in the row unit are built for high durability, helping extend the machine's service life.

**ONLY
7
LUBRICATION
POINTS**



TANKS AND HOPPERS

EASY REFILLING AND HIGH AUTONOMY

Estrela's tanks and hoppers are made from polyethylene, providing **greater resistance** to corrosion and helping protect seed quality. They are also centrally positioned for **easier refilling** and pressurised for more **precise distribution**.

Seed hopper

Capacity of up to **4,000 litres***.

Fertiliser hopper

Capacity of up to **4,016 litres***.

Spray solution tank

Capacity of up to **1,500 litres***.

* May vary according to planter model.

Clean water tank

Allows the spraying system to be cleaned after operation, helping maintain **application quality**, keep the machine performing properly and extend component service life.

Sensor

Equipped with minimum level sensors for fertiliser and seeds.

Central walkway

Features a rear ladder for easier access to the tanks and hoppers during refilling.



FERTILISER DISTRIBUTION

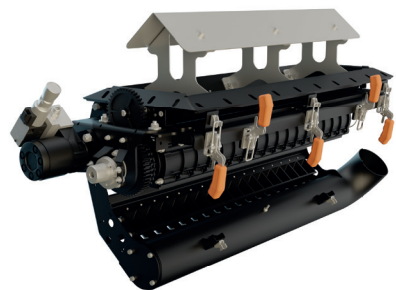
EXCELLENT DISTRIBUTION

With pneumatic metering, Estrela distributes fertiliser evenly across the full working width.

It has **two fertiliser sections**, which can be shut off on headlands to prevent overlap and save product.

Metering system

The fertiliser metering system provides quick access for cleaning, making maintenance and calibration easier.



Hopper

The **pressurised** hopper helps ensure precise fertiliser distribution across all rows.

OPENER CONFIGURATION OPTIONS

18" or 20" cutting disc



Furrow opener



Double disc



Turbo disc



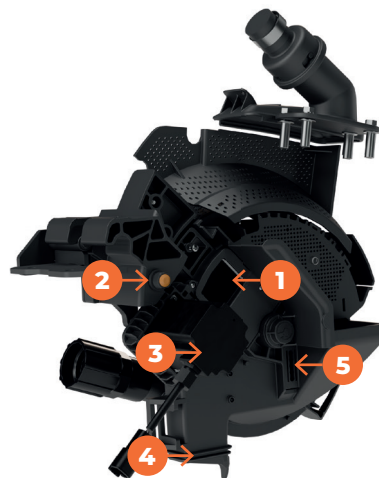
Adjustable knife

DPS-E

THE HIGHEST STANDARD IN SEED SINGULATION

Estrela is equipped with **Stara's Electric Metering System**, which delivers precise seed distribution and helps prevent doubles and skips during planting.

DPS-E also stands out for its simple cleaning and maintenance, with easy access to internal components for replacing discs and ejectors.



Key differentiators

- 1 - Display
- 2 - Test drive
- 3 - Electric motor
- 4 - Rubber seal
- 5 - Seed feedgate

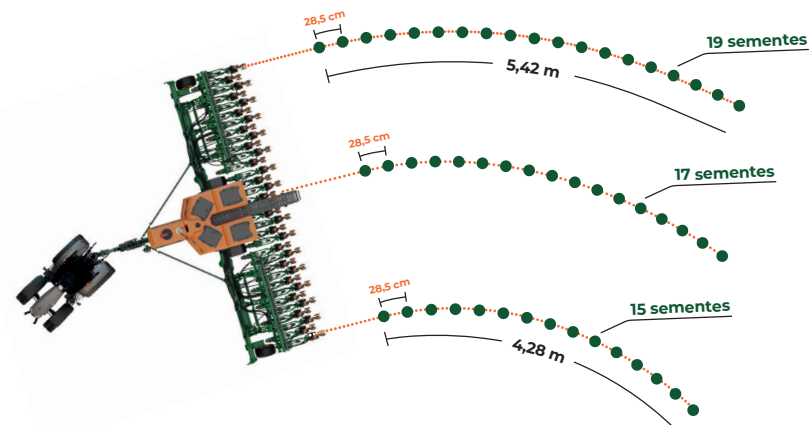
In addition to its well-established variable-rate distribution, DPS-E also features:

**7 DOUBLE-SEED
ELIMINATION
POINTS**



Curve compensation

DPS-E compensates the seed rate on curves, helping maintain a **consistent seed population** and **spacing across the inner and outer rows** for high-quality distribution, regardless of the curve angle.



Row-by-Row Shut-Off

Stara's Row-by-Row Shut-Off system automatically switches off individual planter rows as soon as the monitor detects an area that has already been planted.

This prevents overlaps, especially on headlands and field edges, saving an average of 5% in seeds, reducing competition between plants and increasing productivity in these areas.

IN-FURROW SPRAYING

FACTORY-FITTED

Estrela comes with a **factory-fitted in-furrow spraying system**, with no adaptations required.

Agitation System

The agitation system keeps the spray solution constantly circulating in the tank.

Automatic Shut-off

Automatic section shut-off helps save product.

Automatic rate adjustment

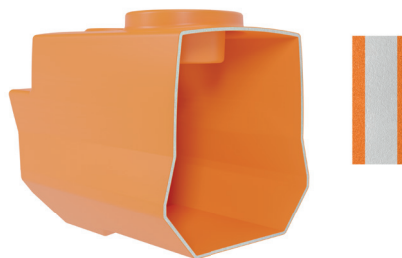
Automatically adjusts the application rate according to speed, helping ensure spray quality and uniform application.



Nozzle holder integrated into the row unit
Integrated anti-drip system
Impact protection

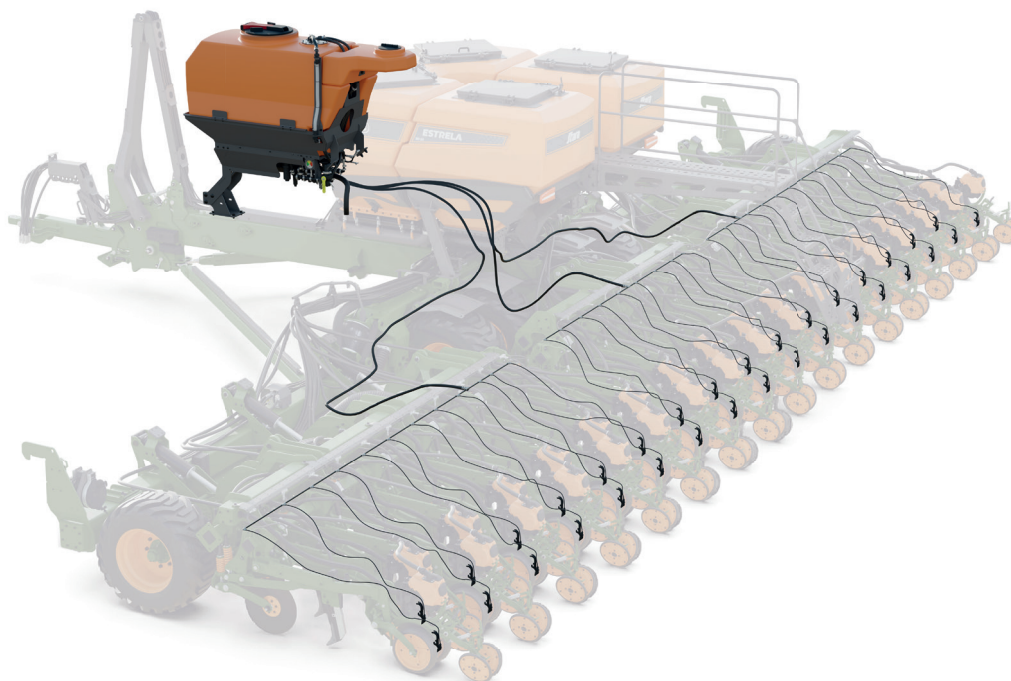
Thermal Protection

The spray solution tank has a three-layer construction, with a central thermal layer insulated by two polyethylene layers. This helps maintain the tank's thermal efficiency, protect the contents from light and preserve the biological activity of the products.



Product induction hopper

With a 14-litre capacity, it makes it easier to prepare the spray solution for in-furrow spraying.



TRANSPORT MODE

Estrela's transport mode is designed to make moving between fields and farms easier and more practical. Estrela has a transport width of **3.20 metres** on the 21-25 chassis and **4.15 metres** on the 27-33 chassis.

For flatbed transport, only the press wheels on the long rows of the side sections need to be removed.

On the 27-33 chassis, in addition to the press wheels, one row must be removed from each side of the central section, along with the outer wheels of the transport wheelset.

**When the outer wheels are removed, a lock must be fitted*



**FOLDS OR UNFOLDS
IN LESS THAN
1 MINUTE**

The planter folds and unfolds in less than one minute. The process is fully automatic and carried out with a single tap on Topper, ensuring speed and efficiency.



LAND SPACE*

Innovation has always been part of Stara's DNA. Now it is time to connect the earth to space with Land Space, Stara's technology ecosystem, available for your machine.

With Land Space, you get all the benefits of satellite internet, giving you access to Stara technologies that help monitor, manage and increase the precision of your field operations..

*Available for machines with Topper 6500

MORE CONNECTIVITY
MORE TECHNOLOGY
MORE EFFICIENCY

**3-YEAR
PACKAGES**

Connectivity - 3 years

Paid Signal - 3 years

Machine Monitoring - 3 years

Syncro Net - 3 years

Zero Crop Damage - factory-calibrated

Telemetry

Conecta

LAND SPACE[®]

Stara's technology ecosystem

CONNECTIVITY

With Stara Connectivity, your machine comes with satellite internet already installed, including a 15 GB monthly data package.

PAID SIGNAL

Stara's signal correction system ensures accurate machine positioning for maximum precision in field operations.

STARA MACHINE MONITORING SYSTEM

Stara Machine Monitoring is a service that monitors your Stara equipment in real time and helps identify issues quickly and efficiently. When a monitored parameter is outside the limits set on Topper, an alert appears on the Topper screen and is sent to Stara Telemetry. If the alert is not resolved, you will be notified via WhatsApp and, in critical cases, by phone.

THE ONLY PLANTERS IN THE WORLD FACTORY-CALIBRATED!

Stara planters leave the factory with Row-by-Row Shut-Off System and Zero Crop Damage already calibrated, delivering greater practicality and precision in field operations.

TELEMETRIA STARA

Stara Telemetry lets you manage field operations in real time from any device with internet access. The web portal sends maps directly to Topper, while the app allows you to monitor stoppage reasons and operational data in real time.

ZERO AMASSAMENTO

Stara's exclusive Zero Crop Damage system automatically switches off the planter rows at the exact points where sprayer and spreader wheel tracks will pass. This prevents crop damage and generates seed savings of up to 4%.

SYNCRONET

Syncro Net enables up to four machines performing the same operation to communicate and work in sync in the same field. To use this mode, all machines must have Stara Connectivity.

CONECTA

Conecta is Stara's factory after-sales customer service. With the Land Space package, the machine can be accessed remotely, ensuring fast, accurate support from anywhere.



TECHNICAL SPECIFICATIONS

Estrela 18 - 21	Estrela 20 - 23	Estrela 22 - 25
Spacings		
21 row units x 45 cm	23 row units x 45 cm	25 row units x 45 cm
18 row units x 50 cm	20 row units x 50 cm	22 row units x 50 cm
15 row units x 60 cm	17 row units x 60 cm	19 row units x 60 cm
Seed hopper capacity		
3,000 l	3,000 l	3,000 l
Fertiliser capacity		
3,035 l	3,035 l	3,035 l
Spray solution tank capacity		
1,200 l	1,200 l	1,200 l
Optional		
Land Space	Land Space	Land Space

Estrela 24 - 27	Estrela 30 - 33
Spacings	
27 row units x 45 cm	33 row units x 45 cm
24 row units x 50 cm	30 row units x 50 cm
21 row units x 60 cm	25 row units x 60 cm
Seed hopper capacity	
4,000 l	4,000 l
Fertiliser capacity	
4,016 l	4,016 l
Spray solution tank capacity	
1,500 L	1,500 L
Optional	
Land Space	Land Space

Note: The minimum spacing between the sections is 50 cm

Learn More

Scan the QR Code and check it out!

Video

See Estrela in action in the field.



Web

Visit the Estrela page on the Stara website for more information.



THIS SPACE IS INTENDED FOR DEALERSHIP DATA

www.stara.com.br/en

STARA S.A. Agricultural Implements Industry | Av. Stara, 519 - Post office box 53 - Não-Me-Toque/RS - Brazil | Phone/Fax: 55 54 3332 2800 | Postcode: 99470-000 | Email address: contact@stara.com.br

[Linked in/company/Stara](#) - [YouTube/StaraBrasil](#) - [Facebook/StaraBrasil](#) - [Instagram/StaraBrasil](#) - [Twitter/starabrasil](#)