

# **EUROSPAND**

FARM EQUIPMENT SINCE 1970

## DOUBLE DISC FERTILIZER SPREADER





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FARM EQUIPMENT SINCE 1970

Born in the 70's of the past century, the brand Eurospand has always stood out with success for the special attention paid to produce and supply professional fertilizer spreaders characterized by structural sturdiness, precision of distribution, resistance to corrosion, continuous and constant technical innovation, making these features the core of its way of thinking.

In 2001 OMB invented and produced the Vibro System, a vibrating hopper bottom system that has been applied on all its production of double disc spreaders with great success since then.

The plant covers an area of 8500 metres of indoor space and is powered by a photovoltaic solar station that generates 730 kWp and an annual average capacity of 900,000 kW.

Inside the plant, under the strict control of a UNI EN ISO 9001 certified system, we carry out 100% of the mechanical and electronic design and we produce 90% of all parts and semi-processed particulars necessary to build our fertilizer spreaders.

UNI EN ISO **9001:2015**



SISTEMA DI GESTIONE  
QUALITÀ CERTIFICATO

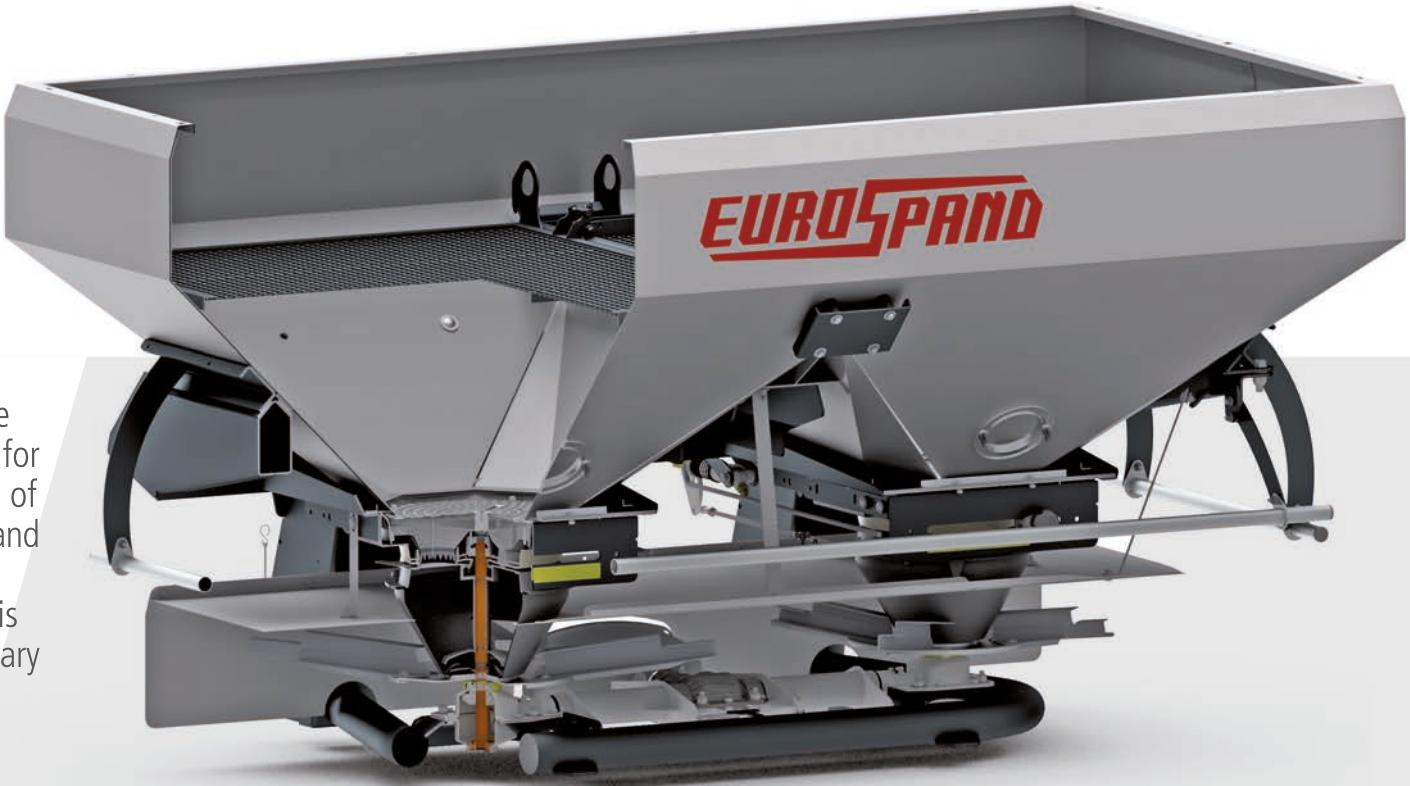


CERTIQUALITY  
È MEMBRO DELLA  
FEDERAZIONE CISQ

# Why choose Eurospand?

**David, Galileo, Jolly, Elettra:** the double disc fertilizer spreaders of the **Eurospand** brand, are the ideal aid for the correct and accurate distribution of mineral fertilizers, organic amenders and seeds.

**A correct fertilizer distribution** is not a cause of pollution: on the contrary it is indispensable help for **better farming**.



## VIBRO SYSTEM

Vibrant hopper Bottom without agitator.



## LATERAL FEEDING

Optimal distribution also un uneven grounds.



## DOSAGE AND DISTRIBUTION

Micrometric dosage and self-positioning of the launch angle.



## TPS

Protection of the fertilizer spreader gearbox.



## STAINLESS STEEL ANTI-CORROSIVE

Last over the years: stainless steel and up-to-date anticorrosive treatments.



## HYDRAULIC OPENINGS

Standard on all the models with two options at customer's choice.



## ELECTRONIC

Self-regulation of the dosage on the variation of the speed.



## WEIGHT SYSTEM

Real-time weighing of the substance inside the hopper (+W versions).



## BUILT-IN GPS

Integrated GPS for a comfy speed detection.

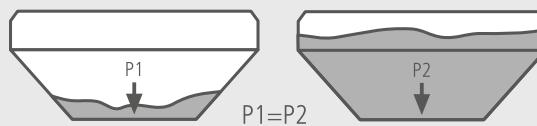


## VIBRO SYSTEM without agitator



The system with vibrating hopper bottom that feeds continuously the distribution system. The non-use of agitators avoids the products crushing, assuring a **uniform dosage of the chosen quantities**, of granular, powdered and pelleted fertilizers and seeds.

The **two stainless steel grids** applied above the vibrating bottom retain the fertilizer lumps and **maintain constant the fertilizer pressure on the feed system**.



### VIBRO-SYSTEM solves the issues related to:

- Break of granules of fertilizers or seeds
- Heat and formation of lumps
- Distribution of all type of fertilizer also with critical weather conditions
- Constancy on the dispensed quantities, the system makes irrelevant the hopper filling degrees from the dispensed quantity





## LATERAL FEEDING



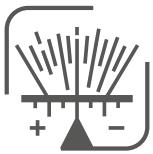
Feed the fertilizer laterally to the vane, **means elimination of the granule brake and powdering** during distribution.

The products are conveyed on the vanes with a progressive acceleration, creating a regular and continuous flux, **also on uneven grounds**, where the traditional systems with outflow of the fertilizer from above cannot assure transversal smoothness.

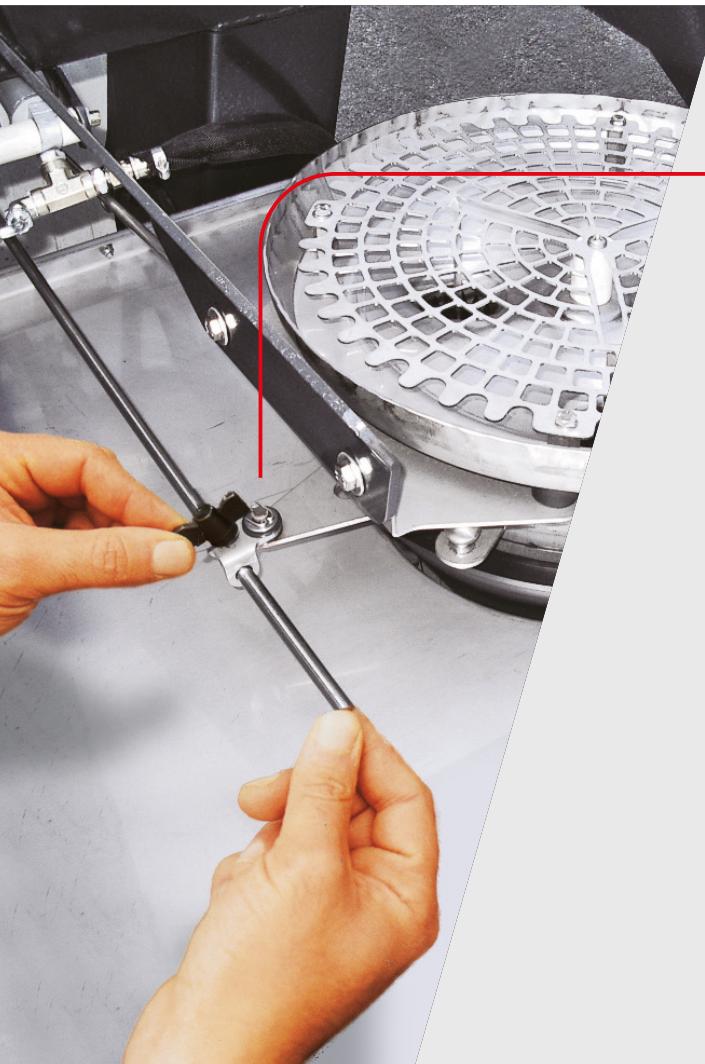


### ANTITURBOLENCE

Moulded vanes with patented cadges and a stainless-steel barrier above the spreading discs. Two of our winning choices ever for an optimal transversal distribution.

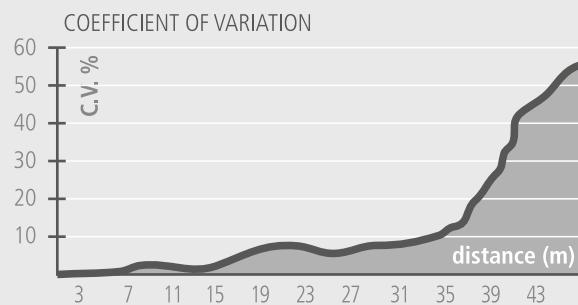
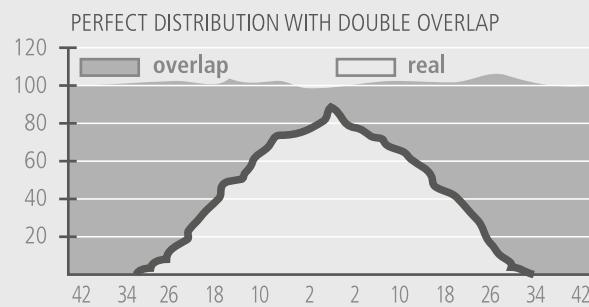


## DOSAGE and DISTRIBUTION



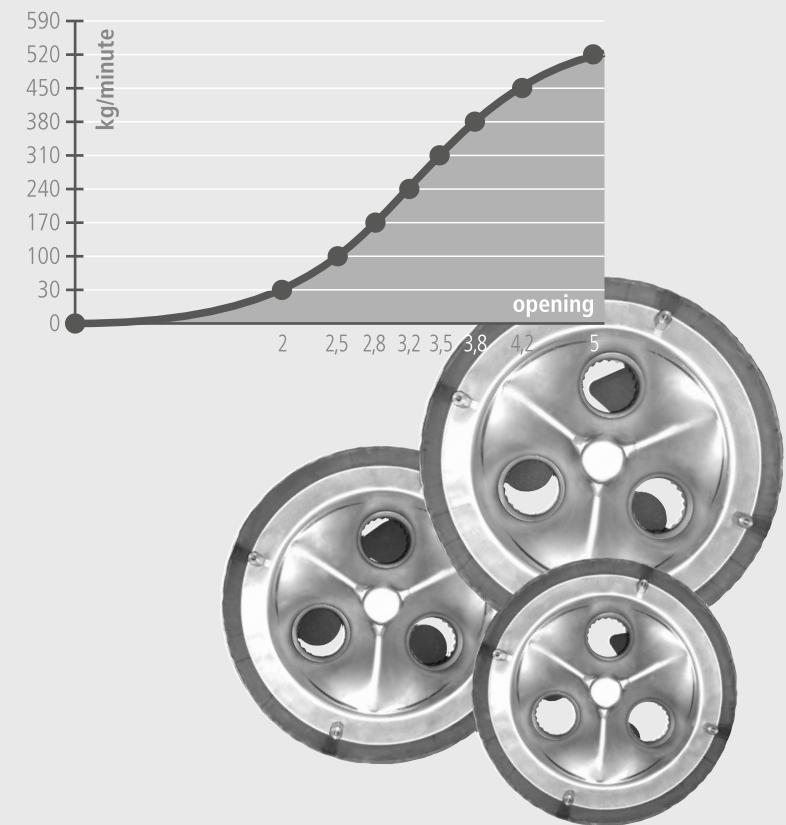
A system of **automatic positioning** optimises the entrance of fertilizer on the spreading disc depending on the dispensed quantity increase.

It is possible to **act manually** on the advanced or lateness egress of fertilizer on the disc, to compensate for different physical features of fertilizers.



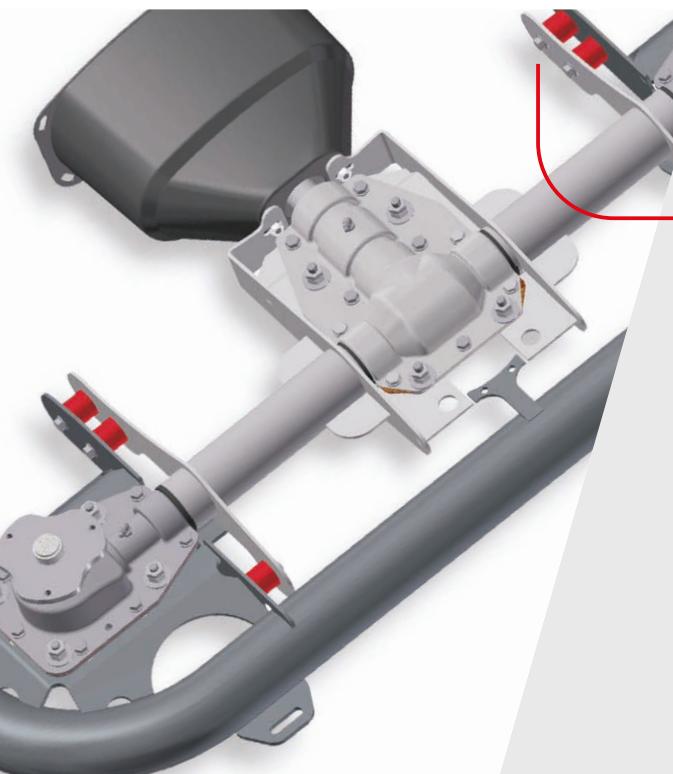
Shutters in stainless steel with **variable-geometry** openings allow to obtain an adequate dosage curve both for micro-quantities and large injections.

NPK 15-15-15 DOSAGE CURVE





## TPS Fertilizer Spreader Protection system



The *Transmission Protection System* avoid any damage to the transmission shafts when the PTO shaft does not have the correct length.

The central box is anchored to the chassis through six **rubber mountings** that absorb anomalous bending borne by the input shaft.

High-strength  
moulded and  
tempered gears



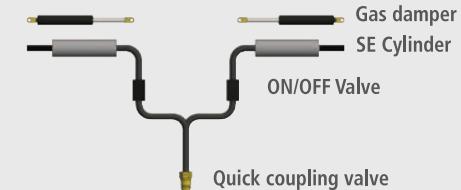
## HYDRAULIC OPENING and CLOSING



Hydraulic cylinders with stainless steel stems to close the flow and stainless-steel gas dampers to activate the feeding.

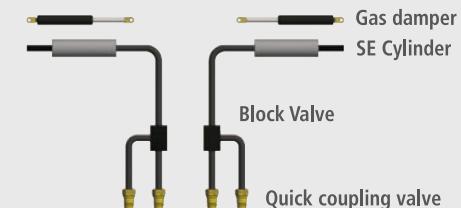
### OPTION 1 – One SE or DE spool valve

The independence of the left and right circuits is obtained by turning the valves.



### OPTION 2 – Two DE spool valves

The independence of the left and right circuits is obtained directly by using the tractor's control levers.





## STAINLESS STEEL

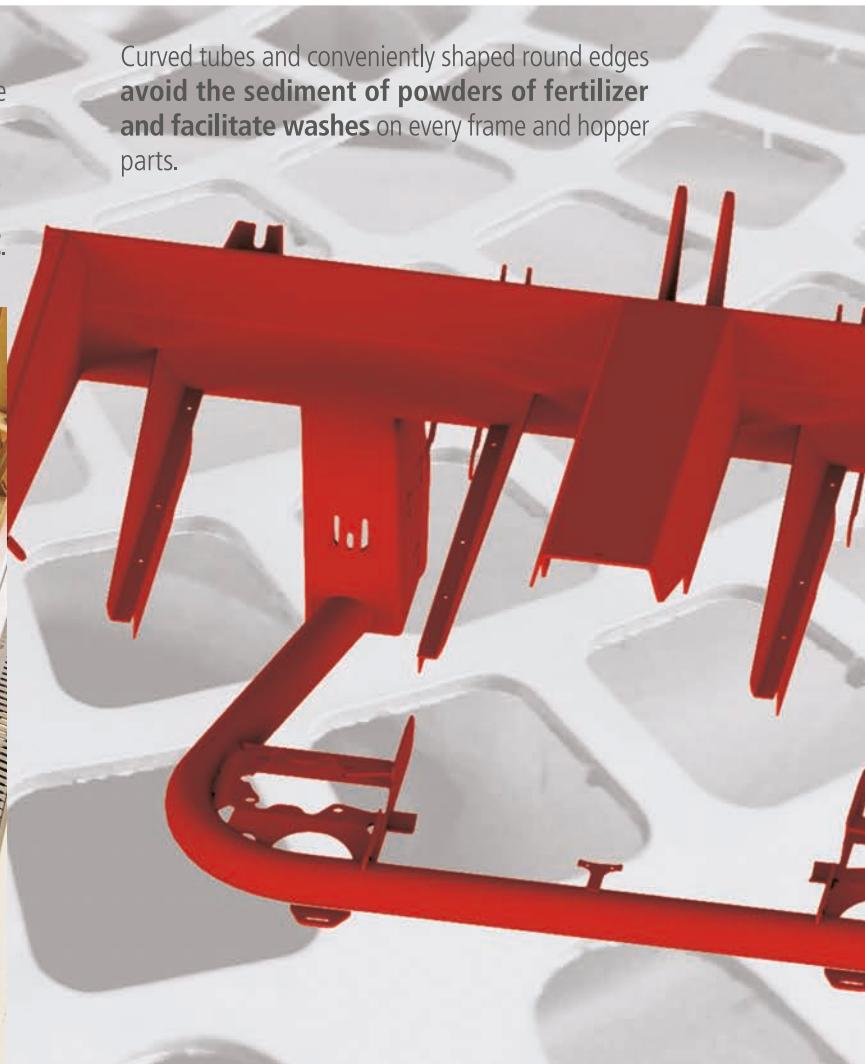


The components of the feeding, measuring and distribution systems, as well as all the bolts are made in **stainless steel** as a guarantee of a long life.

All the metal parts not in stainless steel undergo a sandblasting and **powder coating procedure with double applications and heating at 220° C.**



Curved tubes and conveniently shaped round edges **avoid the sediment of powders of fertilizer and facilitate washes** on every frame and hopper parts.





## ELECTRONIC



## WEIGHT SYSTEM

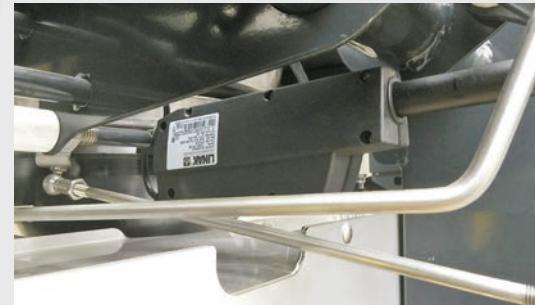


The required dosage **is automatically adjusted according to the forward speed** (Forward Speed Calibration) by means of two linear actuators. The system enables the instantaneous **variation** of the applied dosage, the **interruption of spreading on one side**, the **verification of the quantity and worked hectares** directly and comfortably from the tractor's seat.

Two magnetic sensors detect the exact opening of each shutter and control directly the linear actuators avoiding any possible error of position.

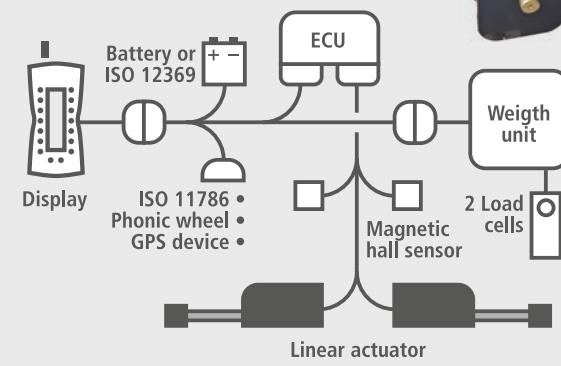


Highly reliable linear actuators, fast sliding stems (14mm/s), low consumption.



The versions “+W” with a **double frame** **integrates two load cells**, **5 tons each**, that detect the real weight of the product in the hopper in a continuous way, reporting every fertiliser and every physical variation to a distribution curve in order to deliver the exact quantity per hectare required.

The two load cells positioned in the hitching lower area of the spreader detect **precise values also in presence of inclined fields up to 12% in all directions**.





VIBRO SYSTEM



LATERAL FEEDING



DOSAGE AND  
DISTRIBUTION



TPS



INOX  
STAINLESS STEEL  
ANTI-CORROSIVE



HYDRAULIC  
OPENINGS



ELECTRONIC



SPREADING  
WIDTH FULL-FIELD  
max 12 m



INTER-ROW  
DISTRIBUTION  
2-5 m



CAPACITY  
1000 L  
800 L  
600 L



WEIGHT  
252 kg  
236 kg  
220 kg



## The maximum versatility.

This model with only **1,2 meters of width** is ideal for the **intensive fertilization in orchards and vineyards rows from 2 up to 5 metres**.

Designed for the localized inter-row distribution *David Fruit*, thanks to a stainless-steel module conveyor, enables to transform quickly and be adaptable for different types of distribution.

It takes just one minute to extract the carter and transform the spreader for the full-field distribution with spreading width up to 12 meters.

With the application of **two rear shutters** (optional) it is possible **to fertilize also at the centre of the rows, in green-houses and I/r borders**.



Fast variation of distribution from **INTER-ROW** to **FULL-FIELD**.  
Unscrew two knobs and pull out the inside casing: the David Fruit turns into its open-field



distribution version.



# JOLLY FRUIT



VIBRO SYSTEM



LATERAL FEEDING



DOSAGE AND DISTRIBUTION



TPS



STAINLESS STEEL ANTI-CORROSIVE



HYDRAULIC OPENINGS



ELECTRONIC



WEIGHING SYSTEM



MAX SPREADING WIDTH FULL-FIELD



INTER-ROW DISTRIBUTION



CAPACITY



WEIGHT



The high load capacity and spreading width make this model ideal **for the intensive fertilization of olive plantations, groves and palm groves.**

Designed for the localized inter-row distribution **Jolly Fruit**, thanks to a stainless-steel module conveyor, enables to transform quickly and be adaptable for different types of distribution.

It takes just one minute to extract the carter and lift the two lateral extensions and transform the spreader for the full-field distribution with spreading **width up to 18 meters**.

As for the *David Fruit* model with the application of two rear shutters it is possible to fertilize also at the centre of the rows, in green-houses and l/r borders.



The switch from BILATERAL LOCALISED distribution to FULL-FIELD distribution is carried out **in three easy and quick steps.**

# EUROSPAND

# DAVID



VIBRO SYSTEM



LATERAL FEEDING



DOSAGE AND DISTRIBUTION



TPS



STAINLESS STEEL ANTI-CORROSIVE



HYDRAULIC OPENINGS



ELECTRONIC



MAX SPREADING WIDTH

1000  
800  
600247  
231  
215

WEIGHT



Little dimensions,  
great contents.

Model with reduced dimensions, for needs of fertilizer and sowing of **mid- little agricultural and sports areas**.

David, even though his compact dimensions, results **extremely strength**, supporting **useful loads up to 1200 kg** and it is ideal to be used with small-mid power tractors with I and II hook category in two different positions.



\*optional kit of vanes



# GALILEO



VIBRO SYSTEM



LATERAL FEEDING



DOSAGE AND  
DISTRIBUTION



TPS



INOX  
STAINLESS STEEL  
ANTI-CORROSIVE



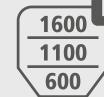
HYDRAULIC  
OPENINGS



ELECTRONIC



MAX SPREADING  
WIDTH



CAPACITY



WEIGHT

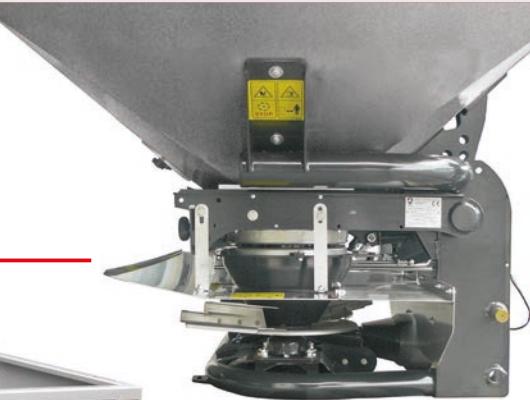
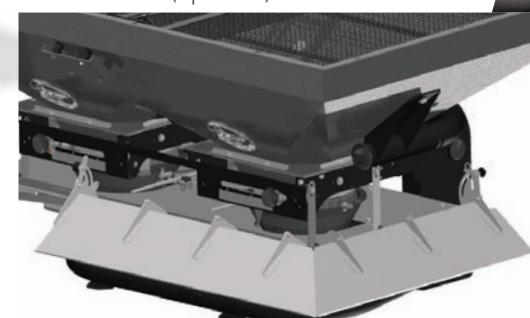
The essence of functionality.

Model with **lowered hopper** and reduced high, enables easy loading from bags and buckets, offering, at the same time, an **interesting loading capacity up to 1600 L**.

Strong frame with useful loads up to **1900 kg** and II category hitches with **two hitching positions**.



Plexiglas doors on the back.  
Manual device to spread along fields borders (optional).





VIBRO SYSTEM



LATERAL FEEDING



DOSAGE AND  
DISTRIBUTION



TPS



INOX  
STAINLESS STEEL  
ANTI-CORROSIVE



HYDRAULIC  
OPENINGS



ELECTRONIC



+W\*  
WEIGHT SYSTEM  
(\*) only JOLLY 18



1800  
1450  
850  
MAX SPREADING  
WIDTH



1800  
1450  
850  
CAPACITY



+W  
385  
485  
kg  
370  
470  
330  
430  
WEIGHT

## Super-professional Models

Models with mid-high load capacity and working width, for reasons of fertilizations and sowing of large agricultural areas.



\*\*con kit palette opzionale



**Frame:** structural strength with useful loads up to 3600 kg. I and II category hook and versatility hooking in three different positions; normal, 100 mm moved; or 150 raised for late injections.

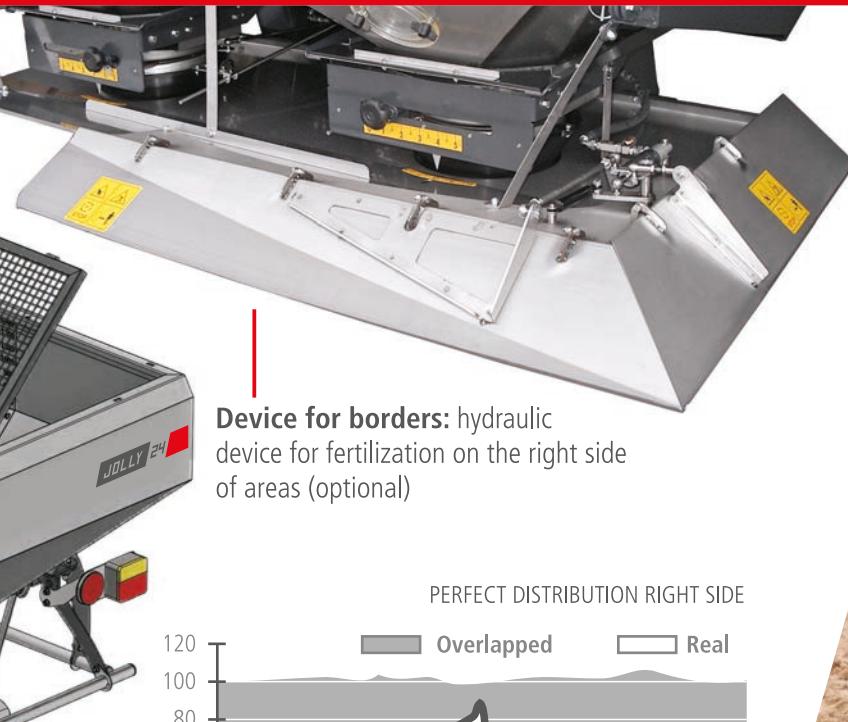
**Plexiglas doors:** The Plexiglas doors positioned on the rear side of the hopper allow easy access to the sieving grids to eliminate possible foreign matter.



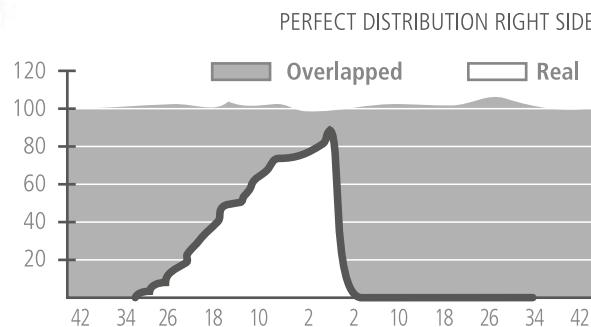
**Internal support structure:** standard applied on all our double disc models, this supporting central structure incorporates four safe hooks for the spreader lift and set up for fixing the folding filtering grids (optional).



# JOLLY 24 28 32



**Device for borders:** hydraulic device for fertilization on the right side of areas (optional)



	<b>24/28/32</b>	<b>m</b>
	<b>3000 2000 1400</b>	<b>L</b>
	<b>580 500 460</b>	<b>kg</b>

MAX SPREADING WIDTH      CAPACITY      WEIGHT



# ELETTRA 24 32



VIBRO SYSTEM



LATERAL FEEDING



DOSAGE AND DISTRIBUTION



TPS



STAINLESS STEEL ANTI-CORROSIVE



HYDRAULIC OPENINGS



BUILT-IN GPS



WEIGHT SYSTEM



MAX SPREADING WIDTH



CAPACITY

	+W	kg
600	710	
520	630	
480	590	
L		
3000		
2000		
1400		

WEIGHT

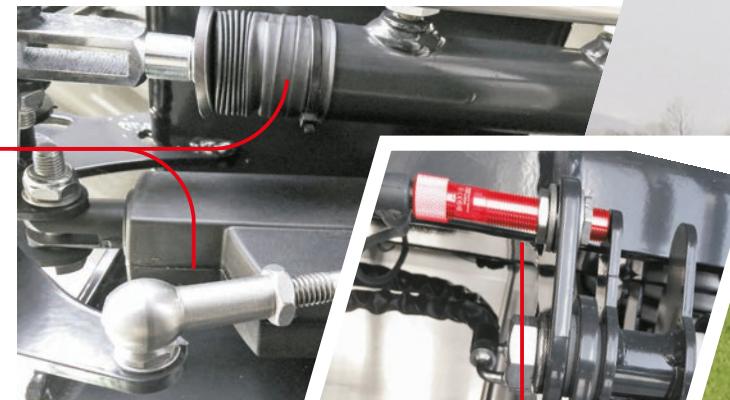
## 360° technology

Elettra standard applies the **electronic system and in the (+W) versions the weighing system with load cells** to regulate the delivered quantity independently to the forward speed and to the fertilizer features to be distributed.

Elettra is provided with a double control, hydraulic and electric, for the flow opening and closing and its subsequent adjustment.



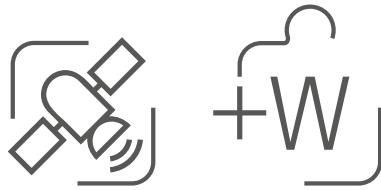
The instantaneous opening and closing at the start of the field is guaranteed by **two DE hydraulic cylinders**, while the opening adjustment is controlled by **two linear actuators in continuous time**.



**Two position sensors** detect the **ON/OFF** status of the hydraulic system and therefore the distribution. In order to avoid spreading beyond a field limit, the **GPS** transmits the signal of distribution start after the tractor has run a distance from the beginning of the field equal to the spreading width of the fertilizer spreader.

**Two magnetic sensors** detect the exact opening of each shutter, directly driving the linear actuators and cancelling every possible position error.





## BUILT-IN GPS and WEIGHT SYSTEM



A 7-Inch Multifunction Colour Monitor **integrates a GPS antenna** that detects and transmits the real forward speed to the system without the need to get the signal from any ISO 11786 connectors or the use of wheel speed sensors.

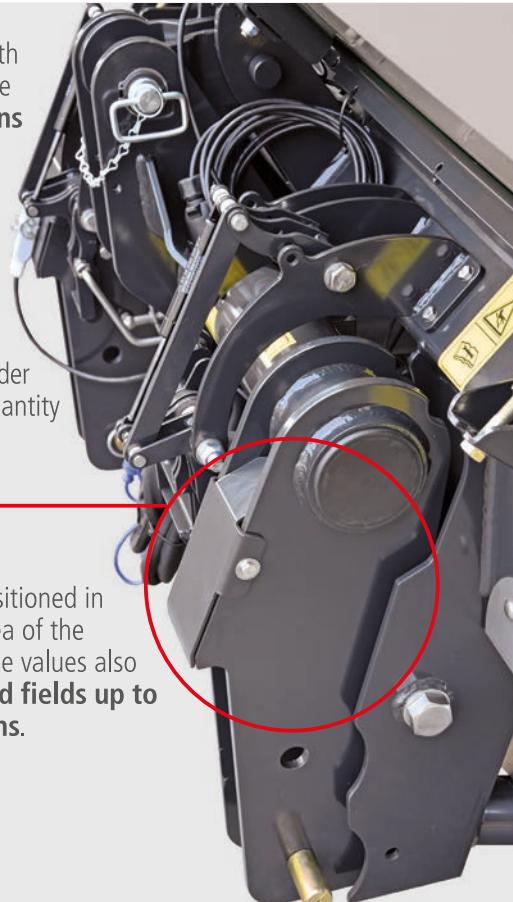


Several spreading tables allow to create/change/save personalised fertilizations works and transfer them via **Bluetooth** for print or manage the reported of the executed works.

From the monitor the operator modifies the quantity/hectare instantaneously, activates the border spreading and visualizes the characteristics of the job in execution, the treated hectares, the remaining kgs, the warning of fertilizer low level, or the warnings concerning possible anomalies of the system.

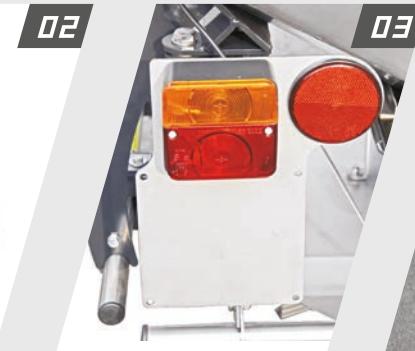
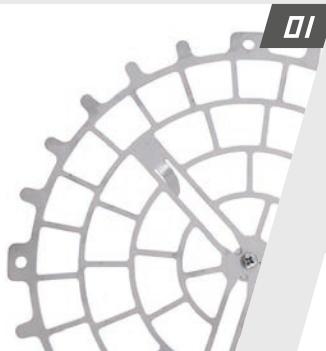
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The two load cells positioned in the hitching lower area of the spreader detect precise values also in presence of **inclined fields up to 12% in all directions**.



# **EUROSPAND**

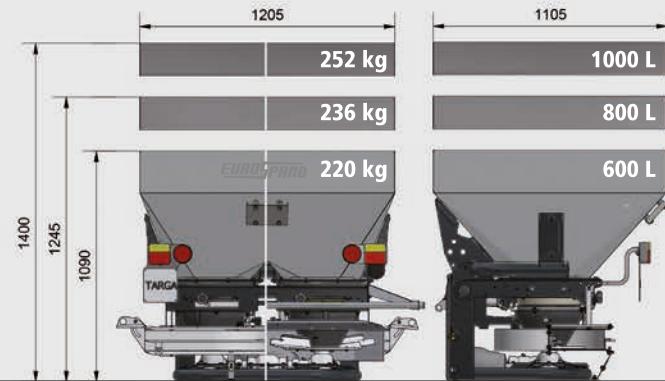
# ATTACHMENTS



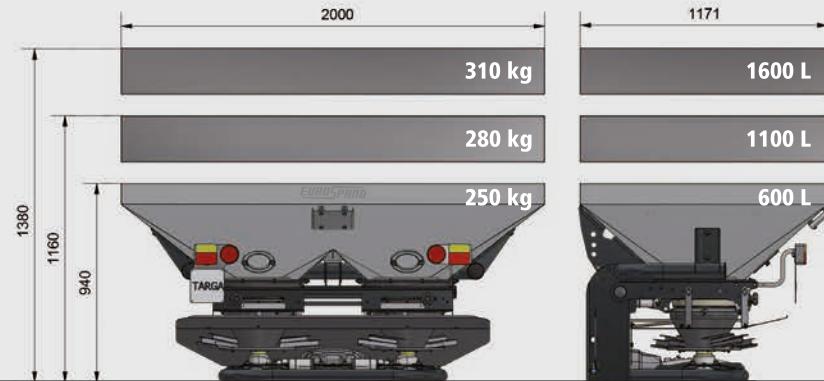
**07** – GRID FOR ORGANIC AMENDERS  
**02** – LATERAL EXTENTIONS  
**03** – ROAD LIGHTING SYSTEM  
**04** – DEVICE FOR BORDERS  
**05** – FIXED HOPPER COVERS  
**06** – TILTING HOPPER COVERS  
**07** – CONTROLLER  
**08** – KIT OF VANES  
**09** – L/R SHUTTERS  
**10** – WHEEL SUPPORT  
**11** – EXTRA FOLDING FILTERING GRID



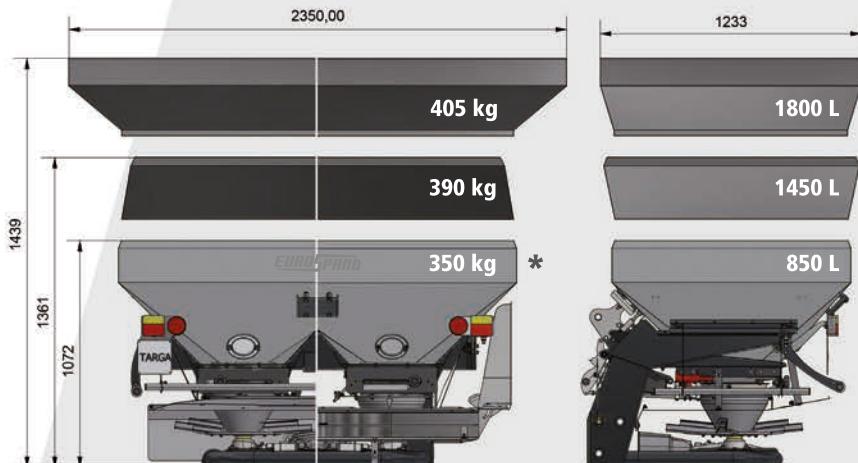
**DAVID / DAVID FRUIT**



**GALILEO**

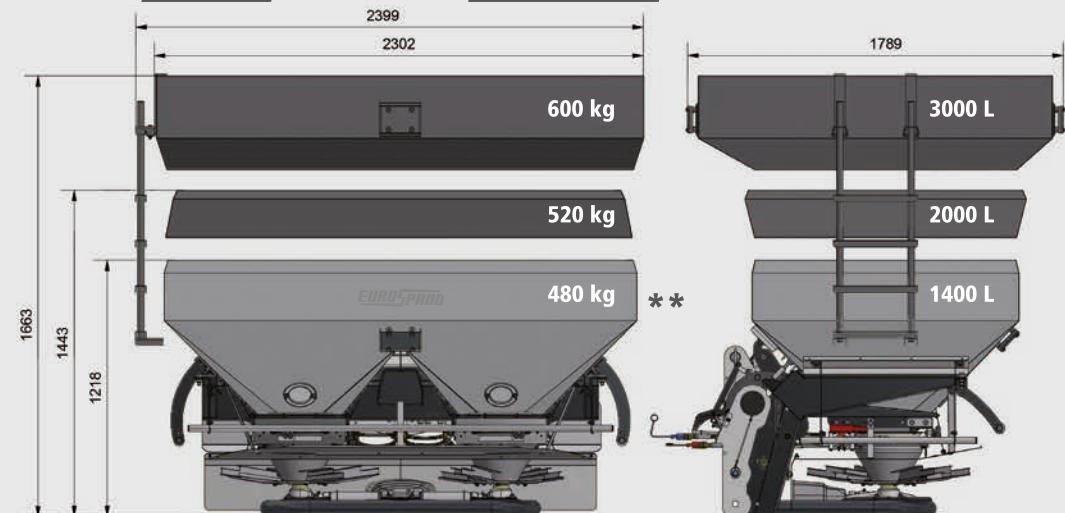


**JOLLY 18 / JOLLY FRUIT**



\* Weight of Jolly Fruit version without electronic weighing system.

**JOLLY 24 28 32 / ELETTRA 24 32**



\*\* Weight of Jolly 24 version without management and weighing electronic system.



FARM EQUIPMENT SINCE 1970

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