




**PRODUCTS**







SFOGGIA IS A FAMILY COMPANY AND WAS BORN IN 1956 THANKS TO THE SPIRIT AND DEDICATION OF ANTONIO SFOGGIA AND HIS SON NARCISO. INITIALLY ENGAGED IN THE CONSTRUCTION OF WATER PLANTS, SOON BEGAN TO BE INTERESTED IN THE AGRICULTURAL SECTOR, DESIGNING AND BUILDING AGRICULTURAL MACHINES, ESPECIALLY SEEDERS AND TRANSPLANTERS. OVER THE YEARS, THE RANGE OF PRODUCTS HAS BEEN ENRICHED WITH NEW MODELS OF MACHINES THAT SATISFY DIFFERENT TYPES OF REQUESTS ADVANCED BY THE MARKET. PASSION, GROWING COMMITMENT AND SIGNIFICANT ECONOMIC INVESTMENTS HAVE LEADED TO BE ONE OF THE LEADERS OFFERING TECHNOLOGY FOR AGRICULTURE 4.0. SFOGGIA IS OFFERING LONG EXPERIENCE AND RELIABLE TECHNOLOGY FOR THE VEGETABLE WORLD WITH ITS WIDE RANGE OF TRANSPLANTERS AND SEEDERS.





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**PRECISION  
PNEUMATIC**

**PLAN**

**TERS**

**FOR CEREALS**



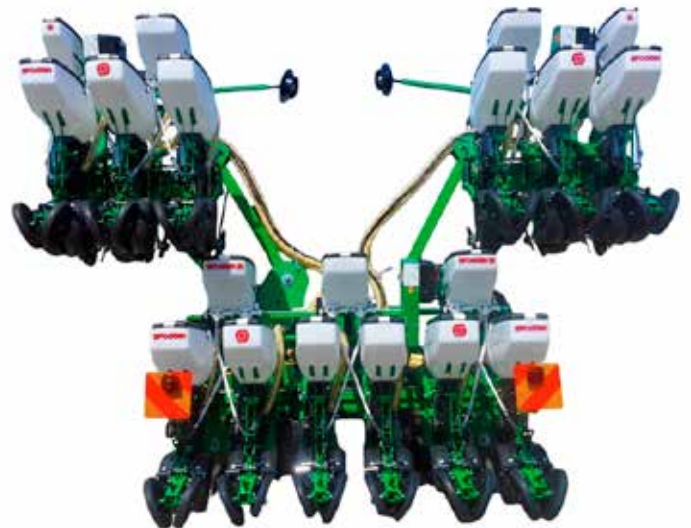




## GAMMA PLUS



## SIGMA 5



## SIGMA HWS





AIR 2.5



AIR 3.0



ELEKTRA DRIVE



ELEKTRA DRIVE ISOBUS



VENTO SMART



SIGMA KING





# GAMMA PLUS

> FIXED FRAME | TELESCOPIC FRAME | HYDRAULIC FOLDING FRAME | HYDRAULIC FOLDING + TELESCOPIC FRAME



## > PLANTING UNITS

VERSION CORN / SUNFLOWER / SOIA BEAN / COTTON



VERSION SUGARBEET



GAMMA PLUS represents a new concept in precision pneumatic planters. Using an innovative manufacturing process with extremely high quality materials, the GAMMA PLUS offers long term reliability both in its simple and versatile operation and its ability to deliver high precision sowing at speed up to 10km/h.

Product: Maize, soya bean, sugarbeet, sunflower, sorghum, green pea, cotton, vegetable and other by request.

### **GAMMA PLUS IS AVAILABLE IN THE FOLLOWING VERSIONS:**

- Fixed frame
- Telescopic frame (2.5 and 3.0m closed)
- Hydraulic folding frame
- Hydraulic folding + telescopic frame

## ADVANTAGES

Hight planting precision on well prepared soils

Compact

Easy to adjust

Full of options available

## FIXED FRAME



Fixed frame available in corn version up to 16 rows and in sugarbeet/ soia version up to 24 rows. According to row distance, crop and hp of the tractor we propose type of frame, type and quantity of drive wheels and configuration.

## TELESCOPIC FRAME (2.5 AND 3.0 m CLOSED)

Mostly used for 6 rows / 70-75 cm there are 3 types of telescopic toolbars for Gamma Plus.

Transport width:

3,30 m

3,00 m

2,50 m





## HYDRAULIC FOLDING FRAME

Mostly used for 8 rows / 70-75 cm or 12 rows 45-50 cm  
there are 2 types of telescopic toolbars for Gamma Plus.

Transport width:

3,00 m

2,50 m

According to row distance, crop and hp of the tractor  
we propose type of frame and type and quantity of drive  
wheels, which could be front or rear.



## HYDRAULIC FOLDING + TELESCOPIC FRAME

Mostly used for 12 rows / 70-75 cm or 18 rows 45-50 cm, this version is additionally telescopic folding to permit acceptable closing width.

Transport width:

3,40 m





# SIGMA 5

- > FIXED FRAME
  - >> 3 POINT HITCH | TRAILED

- > TELESCOPIC FRAME
  - >> 3 POINT HITCH

- > HYDRAULIC FOLDING FRAME
  - >> 3 POINT HITCH | TRAILED

- > HYDRAULIC FOLDING + TELESCOPIC FRAME
  - >> 3 POINT HITCH



## > PLANTING UNITS

VERSION WITH DOUBLE CHAIN DRIVE



VERSION WITH CARDAN SHAFT DRIVE



VERSION WITH ELEKTRA DRIVE



VERSION WITH ELEKTRA DRIVE + ISOBUS



SIGMA 5 is the precision pneumatic planter for different soil conditions: tilled soils, with minimal tillage or no tilled soils (with residues of previous crops).

The main features of the machine are the robustness and the construction quality. It is versatile and reliable, with a guaranteed sowing precision up to 10 km/h. The system with double discs on dual levelling wheels assures a constant sowing depth even in extremely difficult work conditions.

Products: maize, soya-bean, sugar-beet, sunflower, sorghum, green-pea, cotton, vegetable and other by request.

Sigma 5 is available in the following version:

Fixed frame

Telescopic frame 2,50 m / 3,00 m / 3,30 m

Hydraulic folding frame

Hydraulic folding + telescopic frame

Trailed fixed frame

Trailed folding frame

## ADVANTAGES

- > Excellent strength
- > High quality
- > Accuracy of details
- > Very easy settings

- > Excellent sowing precision
- > Working stability
- > Reliable services at work
- > Accuracy on seeds selection, of seeds spacing and depth control.

**SIGMA** 5 is the result of constant cooperation  
between Sfoggia and the final user.





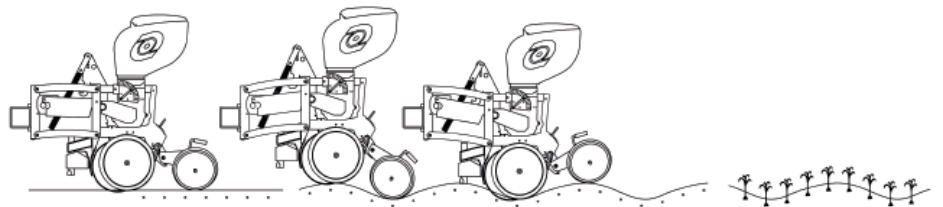


is the pneumatic planter for minimum tillage and no-till situation even in presence of crop residue. Sigma 5 is the only machine on the market with 2 different transmissions available on the element: Univesal joint or double chain.

## > Planting method

The sowing process with the SIGMA 5 method originates in the opening of the sowing furrow made by 2 "V"-shaped discs that create a cleft in the ground where the grains are immediately sown. The 2 big side gauge wheels determine the depth of the furrow and consequently the sowing depth, moreover the internal edge is adherent with the discs thus cleaning them. The position of these wheels, exactly on the arxle of the falling point of the seeds, is the key to the precise control of the sowing depth of Sigma 5. An internal falling pipe between the above mentioned disc, with a rounded shape designed especially to follow trajectory, leads the seed from the sowing disc down to the furrow. A small shoe placed on the inferior base of the two discs perfects the tracing of the furrow where the seeds will eventually be placed.

The sowing process terminates with the earthing up operation made by the rear wheels that lightly compress the soil at the sides of the furrow resulting in an excellent contact between soil-seed, and eliminating the air bubbles therefore preventing the creation of superficial crust.



## FIXED FRAME

Fixed frame available in corn version up to 16 rows and in sugarbeet/ soia version up to 24 rows. According to row distance, crop and hp of the tractor we propose type of frame, type and quantity of drive wheels and configuration.







**SIGMA** 5 is the result of constant cooperation between Sfoggia and the final user.

## HYDRAULIC TELESCOPIC FRAMES



**3,30 m transport width**



**3,00 m transport width**



**2,55 m transport width**





### TELESCOPIC FRAME (2.5 / 3.0 / 3.30 m CLOSED)

Mostly used for 6 rows / 70-75 cm there are 3 types of telescopic toolbars for Sigma 5.

Transport width:

2,50 m

3,00 m

3,30 m



**SIGMA** 5 is the result of constant cooperation  
between Sfoggia and the final user.

**HYDRAULIC FOLDING FRAMES 8-12 ROWS 2,55 m - 2,8 m**



**HYDRAULIC FOLDING FRAME WITH AUTOMATIC ADJUSTMENT OF ROW DISTANCE / 8-12 ROWS 2,55 m - 2,8 m**



**HYDRAULIC FOLDING FRAME 12 ROWS 70 cm - 4,0 m**



**HYDRAULIC FOLDING + TELESCOPIC FRAME 12 ROWS 70 cm - 3,4 m**

















**SIGMA** 5 is the result of constant cooperation  
between Sfoggia and the final user.

## HYDRAULIC TRAILED FRAMES 8-12-16 ROWS









# SIGMA HWS

> FIXED FRAME | 3 POINT EACH | TRAILED



## Our real NOTILL planter.

Sigma HWS is the pneumatic planter suitable for no-till planting in presence of residues and for minimum tillage.

Its strenght and its construction quality, its semplicity and wide use permit a very high planting reliability up to working speed of 8-10 km/h. The double disc system on gauge wheels ensures a constant working depth even in extremely difficult conditions.

Suitable for corn, soya bean, sunflower, sorghum and many other different seeds.



Its strenght is due to:

- double toolbar
- special bearings on parallelogram of planting units
- double turbo fertilizer opener discs
- turbo seeds opener discs
- front finger discs
- double compression discs
- still rear compression discs



# SIGMA KING

> TRAILED FRAME



# Pneumatic planter for big surfaces

Trailed, hydraulic telescopic, available with mechanical drive or elektra drive

16 rows - 70 cm or 24 rows - 45 cm

Planting units are independent following the soil surface.

Fertilizer could be:

- plastic hoppers for granule fertilizer
- stainless steel inox hoppers for granule fertilizer
- pvc hopper for liquid fertilizer





# AIR 2.5

# AIR 3.0

> TELESCOPIC FRAME





AIR 2.5 and AIR 3 are the new expression of technology, efficiency, strength and practicality in the range of vacuum precision planters with adjustable inter-row space.

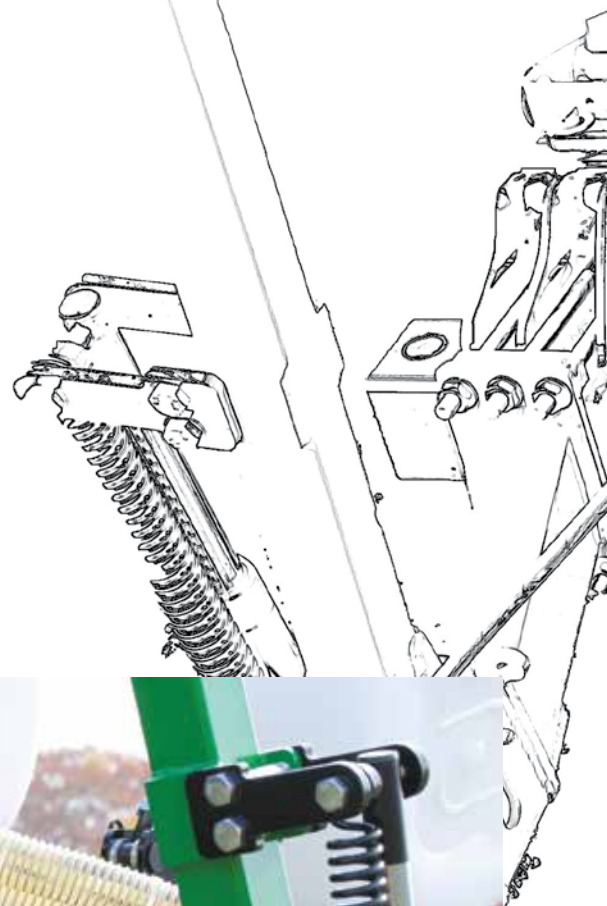
Been born for suiting to the different inter-row spaces, AIR 2,5 and AIR 3 have been developed with some innovative details: the mono frame, that makes the planter shortest and much more manageable; the number of telescopic beam of the frame are reduced to one for AIR 2.5 and two for AIR 3, getting less weight, but at the same time more strenght and less exposure to the wear and tear; easy change of ties to reduce the inter-row-space changing, availability of the Standard Version, Plus and Elektra Drive, to meet the most demanding requirements.

## Frame with adjustable inter-row space and hydraulic folding opening

AIR 2.5: 6/6 ROWS - 6/7 ROWS. TRANSPORT WIDTH 2.5 m

AIR 3: 8/8 ROWS - 8/9 ROWS. TRANSPORT WIDTH 3.0 m

The innovative frame AIR 2.5 and AIR 3, unique in the market to be a mono beam, gives the machine the ability to adapt easily to the various crop inter-row space, the variation of these is simple thanks to the replacement of practical and simple tie rods. Telescopic beams of frame run on long adjustable guides.







## Strength and Practicality

The internal planting units seedlings run over an aluminum alloy plate very robust and lightweight at the same time. The external planting units are hooked directly to the beam and give the opening and closing movement to the sowing elements internally by means of replaceable tie rods.



## Drive planting unit **ELEKTRA DRIVE**

Available Version AIR 2.5 and AIR 3 with ELEKTRA Drive, the total electronic management of the machine, to get even higher performance.

The operator, comfortably seated in the tractor cab, sets sowing parameters in a touch screen console. An electronic control unit processes the set data and gives control to electronic motors that operate and control the sowing disc. An alternator, connected to the seed drill fan, continuously recharges the battery of the Planter that provides the required power to operate. If the machine is equipped with fertilizer hopper and / or microgranulators, the Elektra Drive system is also responsible for controlling and driving these accessories.





## Mechanical Planting Unit

As standard, the proven double-chain mechanical transmission guarantees precision and reliability. This system ensures a precise and constant rotation of the sowing disc, even on imperfect soils. The chain is also very robust, subject to low wear, and easily found.







# AIR 2.5





# AIR 3.0





# VENTO SMART

> TRAILED FRAME



# Pneumatic planter for big surfaces

## TECHNICAL CHARACTERISTICS

- Compact machine, length 5,0 m and closed frame width of 2,55 m, steering point 2,8m from the tractor
- Automatic row distance manual frame- or standard frame
- SMART version 8 rows 70-75 cm - 12 rows 45-50 cm
- Min. tractor HP required 120 hp / 88kw
- High-capacity pneumatic fertilizer (4000 litres)
- High-capacity pneumatic microgranulator (250 litres)
- Low pressure support wheels on double telescopic axle to ensure more stability and don't step on the sowing line
- Retractable front axle to manoeuvre or transport
- Hydraulic pistons mounted on the sowing elements to adjust the working pression
- Independent hydraulic system, equipped with oil tank
- VENTO SMART with ELEKTRA DRIVE is equipped with a generator with battery, independent from the tractor.



Sowing element with double chain mechanical transmission



Sowing element with Elektra Drive transmission



Floating front clod pusher for stony soils



Double opener disc manure



Toothed opener disc manure



Toothed opener disc



"Turbo" opener disc



Residue moving stars





VENTO SMART is a 8 rows maize-sunflower / 12 rows soya-beetroot-colza pneumatic seeder, the frame closes up in height with a closed frame width of 2,55 m.

VENTO, why SMART?

During the transport VENTO SMART is supported by two wheels, while in the work stage, it works with 4 supporting wheels, this feature allows the machine to be trailed, reducing consumption, expenditure and excessive compression of the soil. While working, the supporting wheels axles can be expanded to the desired measure in order to run between the rows and never above the seeding lines.

VENTO SMART is very short, this feature, combined with the steering device, allows the machine to follow the tractor and manoeuvre in a small space.

Available with the traditional mechanical transmission of the elements or electric with ELEKTRA DRIVE kit, it can be combined with isobus, gps and proportional seeding device.

VENTO SMART is versatile, it may be equipped with standard or automatic row distance frame, through this it is possible to change the row distance and the configuration of the machine in a short time.

Suitable for conventional till, minimum till and no till

VENTO SMART becomes VENTO DRILL: replacing the precision seeding elements with wheat seeding modules, the fertilizer bunker becomes seeds bunker and the machine converts to a pneumatic seed drill.









**PRECISION  
PNEUMATIC**

**PLAN**

**TERS**

**FOR VEGETABLE**





# CALIBRA EVO



## Calibra revolutionizes the idea of a seeder

With an easy and fast substitution of the sowing disc and of the shoe you can sow one, two and even three rows for each sowing body.

The double selection system and the large diameter of the disc guarantee the high precision of sowing. Changing the inter-row of the sowing units does not require the disassembly of the machine, thanks to the particular profile of the beam and to the skids on which the elements flow.

Flow rate and constant pressure are given by a fan and a compressor that work separately.

Available with fixed and folding frame.

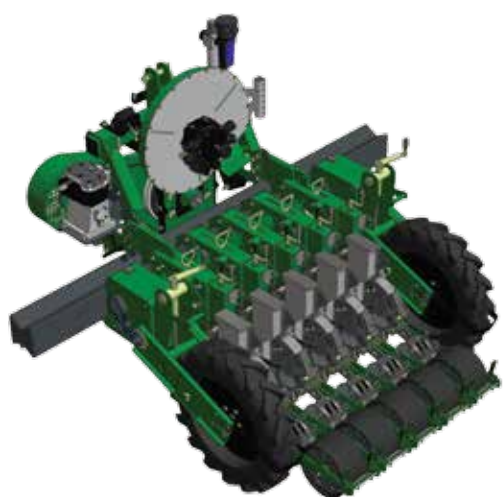


# The range in the field

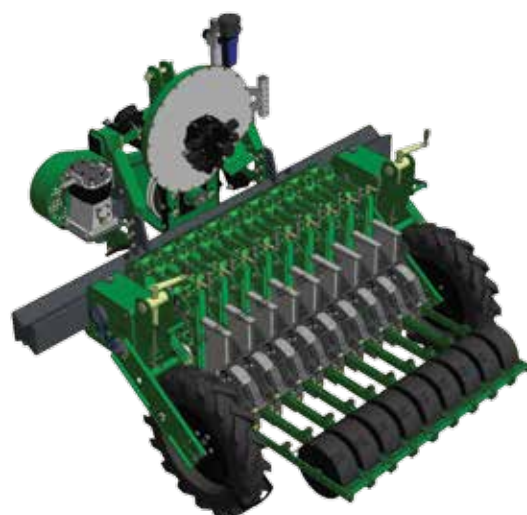
There is a wide range of versions and configurations that combine with quality accessories, to satisfy different crops, inter-row distance and terrains.



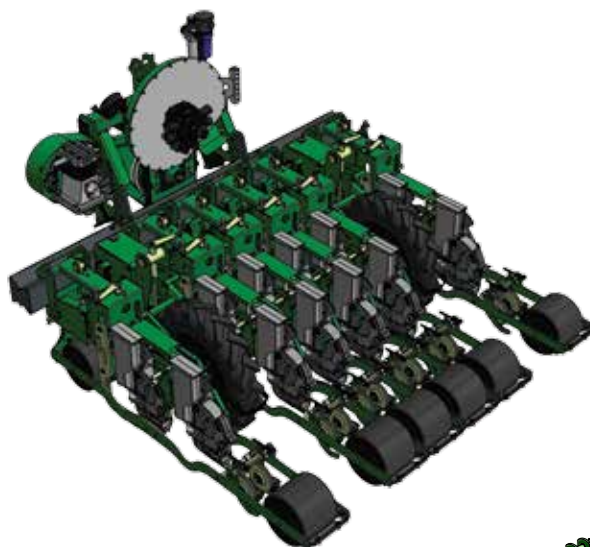




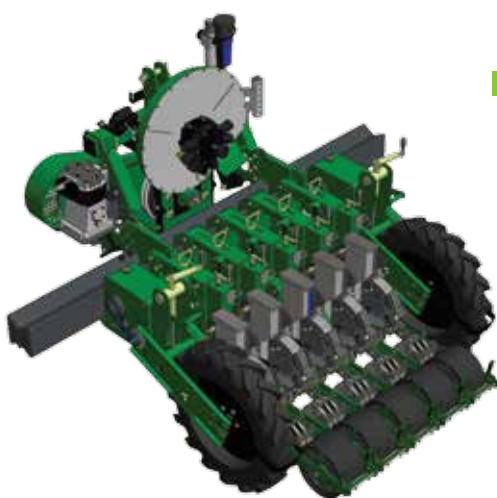
■ SINGLE LINE



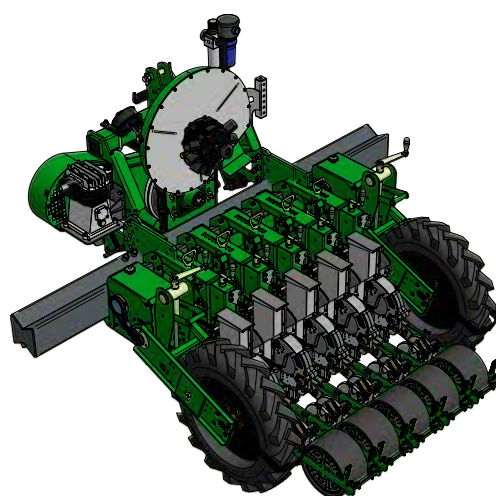
■ SLIM



■ TANDEM



■ TRIS



■ TWIN





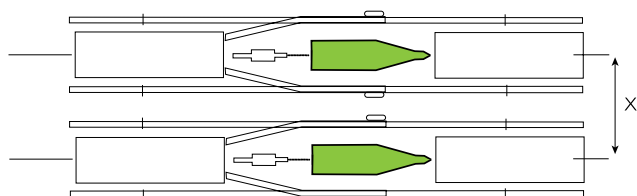






# PLANTING UNITS

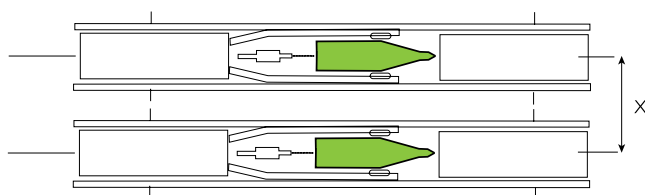
## SINGLE LINE



CALIBRA SINGLE LINE  
x = 20 cm



## SLIM

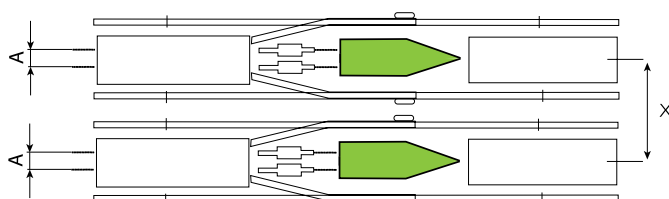


CALIBRA SLIM for narrow inter-row distances  
x = 13 cm



## TWIN 5 - 7 - 10\* CM

\*with narrow balancing kit



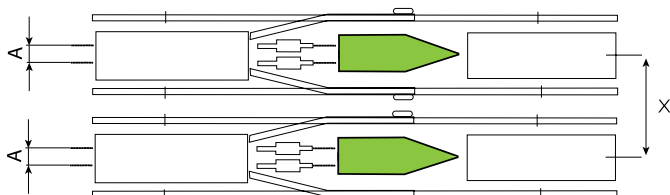
CALIBRA TWIN, double row sowing shoe  
A = 5/ 7/10 cm  
x = 20 cm for version 5, 7, 10\* cm





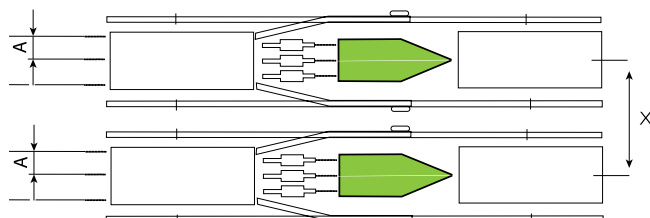
## TWIN 10 - 12 CM

with wide balancing kit



## TRIS 3,5 + 3,5 CM

triple line  
narrow balancing kit



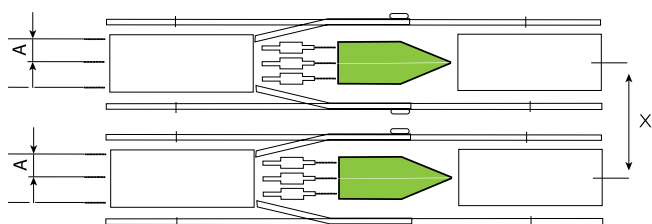
CALIBRA TRIS, sowing shoe with triple row

$A = 3,5 + 3,5 \text{ cm}$

$x = 20 \text{ cm}$

## TRIS 5 + 5 • 6 + 6 CM

triple line  
wide balancing kit



CALIBRA TRIS, sowing shoe with triple row

$A = 5 + 5 \text{ cm } 6 + 6 \text{ cm}$

$x = 25.5 \text{ cm}$







# WHEAT SEE DEERS

**MECHANICAL  
PNEUMATIC**





# DRILL SEM



DRILL SEM is now more powerful than ever.

It offers a range of configurations and accessories that satisfy the most demanding farmer in the different types of soil.

Simple in its design, robust in its construction, reliable in seeding and precise in the distribution of fertilizer and insecticide.

Drill Sem is the machine that adapts to multiple needs of use.

It is available in a mounted and pulled version , in seed only version, seed plus fertilizer, seed plus fertilizer plus insecticide.

A wide range of versions and configurations is combined with quality accessories to satisfy different crops, inter-rows and soils.

Drill Sem has a large seed hopper in painted steel with double plastic distribution rollers for the distribution of small and large seeds. The new sowing boxes are in steel painted in cataphoresis (version S) and in stainless steel (version SF), they can be opened and inspected through a door.

On request the seed hopper can be divided into two and also used for a second crop or for the distribution of the fertilizer.

Each hopper has a gear box in oil bath with three cams. The possible configurations are:

- straight / curved coulters arranged in three rows;
- double offset disc coulters arranged in two rows;
- single disc furrowers arranged in two rows.

All the coulters have telescopic tubes for the descent of the PVC seed.









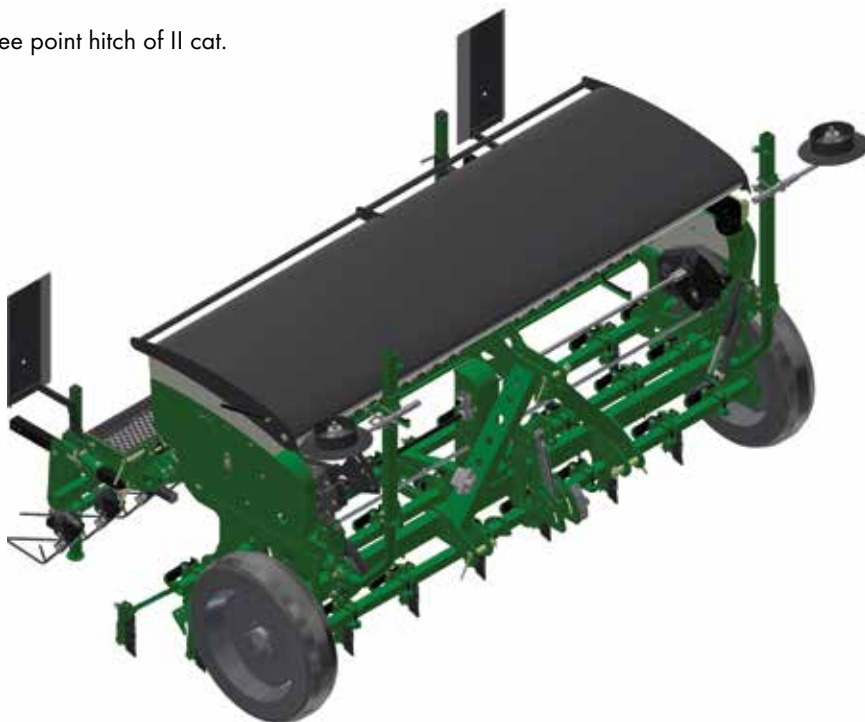




# The versions

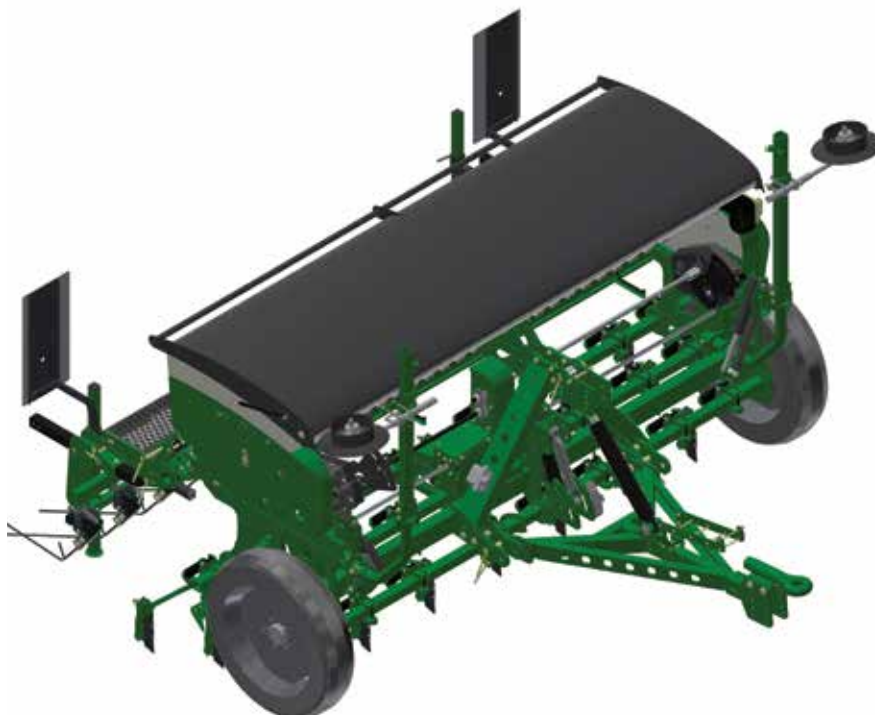
## ■ MOUNTED

With Three point hitch of II cat.



## ■ PULLED

Suitable for use on soil with steep slopes with tracked tractors. Possibility to easily transform it into a extended version.





# Fleet on the field

**DRILL SEM S**  
seeds



**DRILL SEM SF**  
seeds + fertiliser



**DRILL SEM DSA-S**  
With straight/curved head coulters



**DRILL SEM DSA-SF**  
With straight/ curved head coulters



**DRILL SEM DSD-S**  
With single disc



**DRILL SEM DSD-SF**  
With a single disc



**DRILL SEM DSDD-S**  
With a double disc



**DRILL SEM DSDD-SF**  
With a double disc







**VERSION S - ONLY SEED****VERSION SF - SEED MORE FERTILISER**

Models	n. rows	Row distan- ce cm	Working Width m	Transport Width m	Capacity L		
					Version S	Version SF	
					Only Seed	Seed	Fertiliser
DSA S (SF) 2500-17	17	15,0	2,55	2,55	500	270	240
DSA S (SF) 2500-18	18	14,2	2,55	2,55	500	270	240
DSA S (SF) 2500-19	19	13,4	2,55	2,55	500	270	240
DSA S (SF) 2500-20	20	12,8	2,55	2,55	500	270	240
DSA S (SF) 3000-21	21	14,3	3,00	3,00	610	330	290
DSA S (SF) 3000-22	22	13,6	3,00	3,00	610	330	290
DSA S (SF) 3000-23	23	13,0	3,00	3,00	610	330	290
DSA S (SF) 3000-24	24	12,5	3,00	3,00	610	330	290
DSA S (SF) 3000-25	25	12,0	3,00	3,00	610	330	290
DSA S (SF) 3500-27	27	13	3,50	3,70	700	390	350
DSA S (SF) 3500-28	28	12,5	3,50	3,70	700	390	350
DSA S (SF) 3500-29	29	12	3,50	3,70	700	390	350
DSA S (SF) 4000-31	31	13	4,00	4,20	820	460	410
DSA S (SF) 4000-32	32	12,5	4,00	4,20	820	460	410
DSA S (SF) 4000-33	33	12	4,00	4,20	820	460	410

DSD - DSDD S (SF) 2500-17	17	15,2	2,55	2,55	500	270	240
DSD - DSDD S (SF) 2500-19	19	13,5	2,55	2,55	500	270	240
DSD - DSDD S (SF) 3000-21	21	14,4	3,00	3,00	610	330	290
DSD - DSDD S (SF) 3000-23	23	13,1	3,00	3,00	610	330	290
DSD - DSDD S (SF) 3000-25	25	12,0	3,00	3,00	610	330	290
DSD - DSDD S (SF) 3500-25	25	14	3,50	3,70	700	390	350
DSD - DSDD S (SF) 3500-27	27	13	3,50	3,70	700	390	350
DSD - DSDD S (SF) 3500-28	28	12,5	3,50	3,70	700	390	350
DSD - DSDD S (SF) 4000-29	29	14	4,00	4,20	820	460	410
DSD - DSDD S (SF) 4000-31	31	13	4,00	4,20	820	460	410
DSD - DSDD S (SF) 4000-33	33	12	4,00	4,20	820	460	410



# DRILL SEM FLEX



DRILLSEM FLEX: new trailed mechanical row seeder for cereals.

Available in the following versions:

DS Flex S - seed distribution - working width 2.5 or 3.0 meters

DS Flex SF - seed and fertilizer distribution - 2.5 or 3.0 meter working width

- Large capacity hopper: 2.5m S version 500 lt capacity, 2.5m SF version 240 + 270 lt capacity; version 3.0m S capacity 610 lt, version 3.0m SF capacity 290 + 330 lt; In the SF versions, the separation gates between the hoppers can be removed and from two they can become one.

- The machine can be used towed or even lifted (by means of a three-point hitch), the transformation from towed to carried and vice versa is very fast, to perform it simply hook the rudder into the appropriate seat.

- Flex springs with 20 x 20 mm section; Curved furrow tips for sowing even with hard soils;

> **advantages** = with this equipment it is possible to sow on heavy soils even in the presence of crop residues such as stalks.

- Drive wheels measuring 9.5-24 8 plies (diameter 1070 mm) with for better stability on steep slopes;

> **advantages** = high stability and transversal grip in case of sowing on slopes.

- Net working height from the ground under the machine of 56 cm to work even in the presence of crop residues;

> **advantages** = flexibility

- Gates kit for hills, hopper partialization in several compartments for sowing with transversal slopes;

> **advantages** = in the case of sloping sowing, the products do not concentrate on one side, leaving the other empty.

- Possibility of working up to slopes of 45% both in longitudinal and transversal;

> **advantages** = No competitive machine can afford such a performance

- Power required 80 HP;

> **advantages** = the machine can also be used with a small tractor.





**KSP**  
**PNEUMATIC**

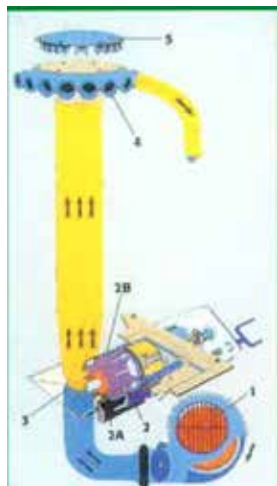


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Oponal preculvator for a perfect soil preparation.  
Preculvateur oponal pour une parfaite préparation du sol.

Pneumac distributor



Independent doser for seed and fertilizer.



Hydraulic independent fans.



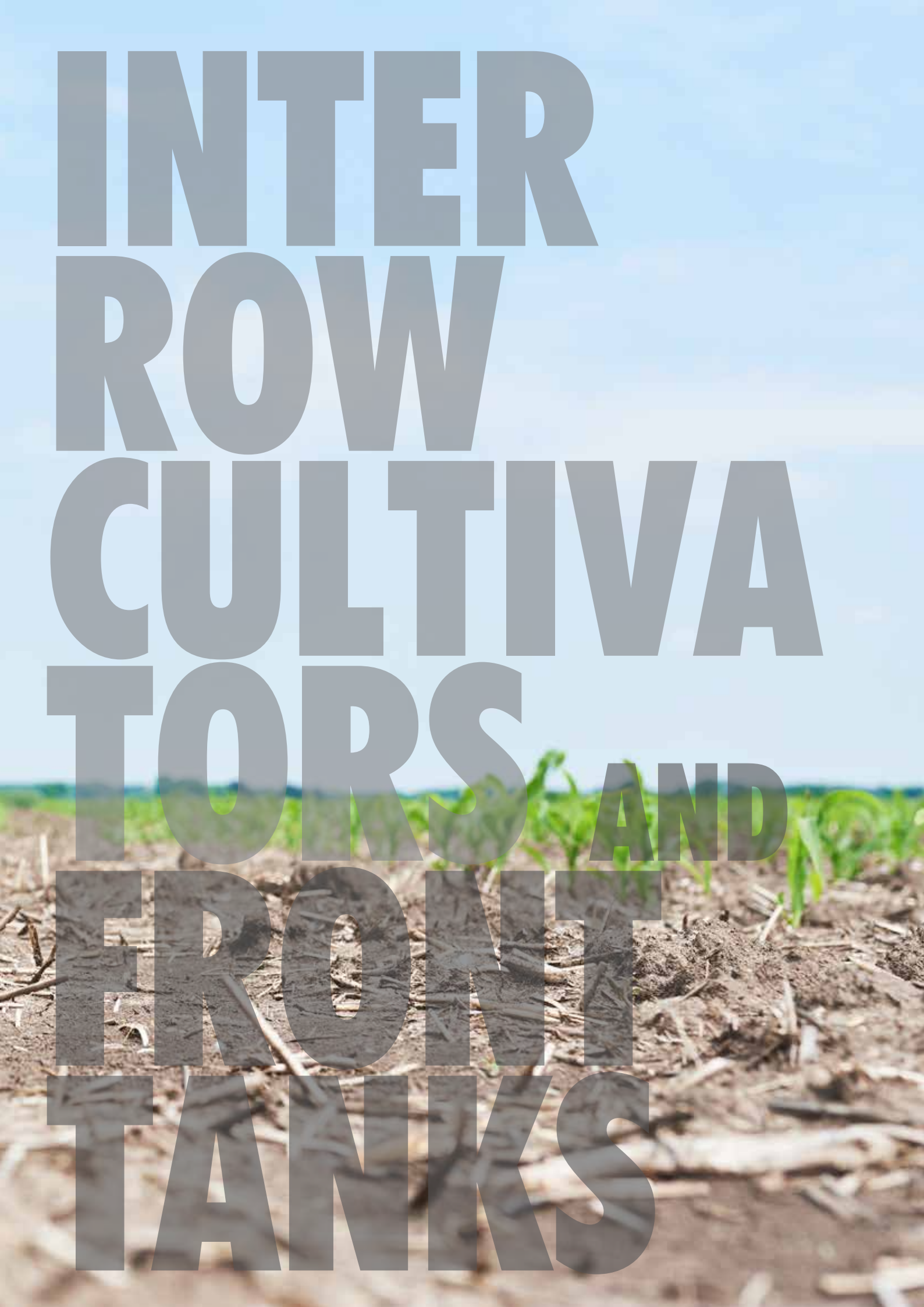
Uniform distribution of products











# INTER ROW CULTIVA TORS AND FRONT TANKS



# T20

**THE NEW VERSATILE WEEDER  
FOR FRONT AND REAR USE**





The new T20 weeder for row crops is robust, versatile, light and reliable. Suitable for working on different crops in the most varied soil conditions, it guarantees superior work quality and durability over other machines available on the market.



# HOEING UNITS

REAR



Each element is equipped with a standard iron wheel on bearings to control the depth by means of an easily adjustable. The depth wheel has an excursion of 120 mm. Previously the element has a parallelogram with a maximum excursion of 260 mm and a new system of work pressure control.

- Corn-Sunflower element (70/75/80 cm) with 5 flex springs with 150mm hoes, with or without sheet metal protection plant or toothed disk.
- Beet-Soy bean element (45/50 cm) with 3 flex springs, with 105mm hoes, with or without sheet metal plant protection plant or toothed disk.
- Cotton element (90 cm) with 7 flex springs with 150 (200 mm on request) hoes, with or sheet metal plant protection protector or toothed disk.
- Vegetable element (20/30 cm) with 1 flex or ZD spring with or without protection plate or band disk.

The weeding element can be configured with vibro springs and hoes of different diameters.

The new weeding element is so modular that it can be assembled in two different ways to make the machine for use in front of the tractor or on the back.

Possibility to have customized configurations by creating special frames.

## Crushing maize element

2 springs + central clod crusher with Ø10 mm ridger spring + 250 mm fixed rear filling spring with safety pin (no front version).



# T20

FRONT



The innovation that SFOGGIA has brought is visible in the frame, built with high strength steel th. 8 mm, positioned at a working height of 700 mm from the ground.

The weeding elements have been completely revised in the design.

The parallelogram is on bushings  $\varnothing$  25 mm L = 100 mm with grease nipple and screws M14 class 8.8. The adjustment of the weeding springs (wide choice of models) is quick and independent.

The coupling / uncoupling of the elements is automatic with spring.

The weeding element can mount 1, 3, 5, 7 or 9 springs according to the configurations and can be equipped with a crushing kit.

The fertilizer spreader with patented volumetric distribution can be with 250 L PVC hopper or stainless steel tank from 930 up to 1130 L, with transmission for rubber wheels, grounded, cardan, hydraulic motor.

It is available on fixed frame, fixed with road towing kit, manual folding or hydraulic folding.

Possibility of putting the weeding elements with "Kress" rubber fingers fixed directly on the element, for a more accurate weeding on the plant;

> **advantages** = flexibility of the machine especially in weeding crops in organic crops.

- Possibility of equipping the machine with a camera for plant recognition and automatic guidance system;

> **advantages** = possibility to perform the weeding operation at high speed with the widest possible working width.



# THEMA

> FIXED FRAME / MANUAL FOLDING / HYDRAULIC FOLDING





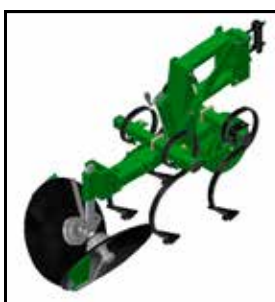
Thema is a weeder. Strong, versatile, light and reliable. Suitable to different crops on various soil conditions, it ensures trust and long lasting working capacity. All movements are on ball bearing, the floating parts of the units on self-lubricating nylon bushing. The toolbar is 100x100.

Tema is suitable for maize, sugar beet and others. Available versions for vegetable and other tailor-made configurations. It is available with fixed frame, manual folding frame and hydraulic folding frame.





# HOEING UNITS





# THEMA





Front or rear fertilizer spreader with a second category three-point attachment. It can have a 930 L stainless steel fertilizer hopper (1130 L with extension) or a 250 L PVC hopper. The transmission can be with a grounded wheel, rubber wheels or cardan. The fertilizer distribution is volumetric with easy opening of the volumetric distributor for daily cleaning. The fertilizer hopper can have centralized regulation of the distributors or individual adjustment. Available in fixed frame, hydraulic folding, fixed frame with side arms with manual or hydraulic folding

# THEMANS

## FRONT AND REAR FERTILIZER SPREADER

**FIXED FRAME / MANUAL FOLDING / HYDRAULIC FOLDING**





Fertilizer spreader with three-point hitch.

It can have a 930 L stainless steel fertilizer hopper (1130 L with extension) or in 250 L PVC hopper and adjustable shoe furrowers. On request microgranulator hopper of 18 or 32 L depending on the need and mechanical or hydraulic row marker.

The transmission is with tractor wheels, with gear variator.

The fertilizer distribution is volumetric with easy opening of the volumetric distributor for daily cleaning.

The fertilizer hopper can have centralized regulation of the distributors or individual adjustment.

Available in fixed frame and hydraulic folding.

# THEMA VG

## REAR FERTILIZER SPREADER + MICROGRANULATOR

**FIXED FRAME / HYDRAULIC FOLDING**



# FHS FHS TWIN



**FHS The front fertiliser FHS is compact and easy to use. Professional and versatile, it can be used in combination with a rear implement or solo in front of the tractor.**

- 
- 1250 l painted steel hopper, complete with grids, drainage union and roll-up PVC cover.
- Sturdy welded and painted steel frame, integrated with a retractable access platform.
- Volumetric dispenser of the product in stainless steel complete with single roller driven by brushless motor regulated via software. Possibility of mounting stainless steel roller (for fertilizer) or nylon (for seed - available in various sizes for more precise flow control).
- High flow rate prevalence blower for pneumatic transport of the product to the rear equipment, driven by a hydraulic motor.
- Pneumatic conveying system complete with rigid stainless steel pipe and flexible spiral duct D. 160 mm for connection with the rear equipment. Mushroom distributor with 6, 8 or 12 outlets, D. 60 mm available on request.
- Hydraulic system with adjustment of the blower rotation speed and integrated heat exchanger, available both with drive by connection to the tractor hydraulics, and with independent tank and pump operated by the front PTO 1000 rpm.
- 650 lt hopper extension available on request.
- Lights and road tables for road traffic.
- Electric power supply 12 V from the tractor.
- Raised or lowered position of the rear equipment provided by the tractor. Availability alternatively and upon request of an independent sensor to be fixed on the equipment.
- Working speed provided by tractor. Availability alternatively and upon request of independent GPS device.
- Management of the fertilizer spreader from a smartphone via app and wifi connection. Availability alternatively and upon request of interface Isobus with the tractor.

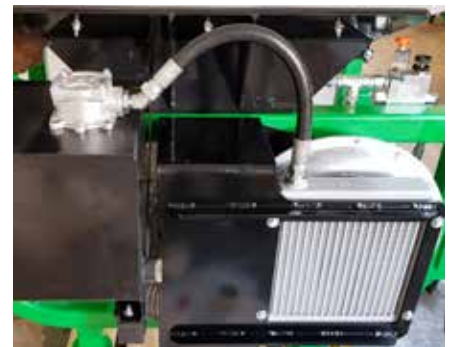






## TECHNICAL DATA

- Dimensions (without hopper extensions): L 2.5 m x H 1.7 m x D 1.7 m
- Weight: 500 kg (version with hydraulic tractor drive)  
550 kg (version with independent hydraulic system)
- Hopper capacity: 1250 lt (standard version) and  
1900 lt (version with extension)
- Oil tank capacity (version with independent hydraulic system): 30 lt
- Front PTO (version with independent hydraulic system): 1000 rpm
- Power consumption (version with independent hydraulic system): about 15 kW
- Oil flow rate required by the tractor (version with hydraulic tractor drive): 50 lt/min
- Power supply voltage from tractor: 12 V
- Internal diameter of flexible transport pipe: 160 mm
- Maximum product distribution capacity: 450 kg / ha at 8 km / h (on a 6 m working width)











# VEGE TABLE TRANS PLAN TERS





**ST9**



**ST11**



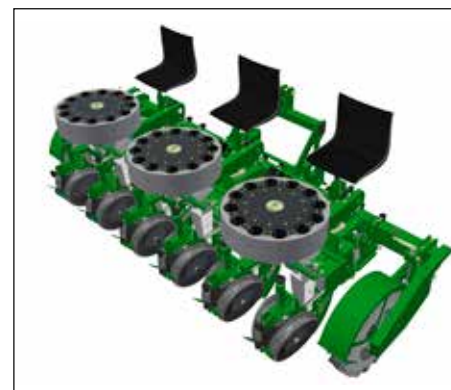
**FLORIDA 6 CUPS**



**F10**



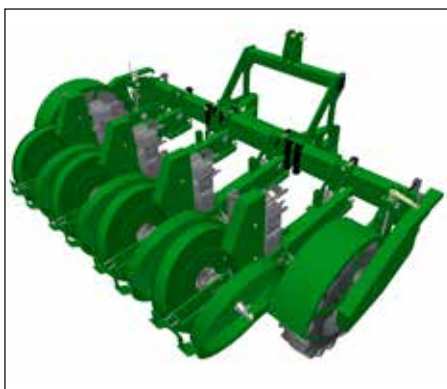
**C10**



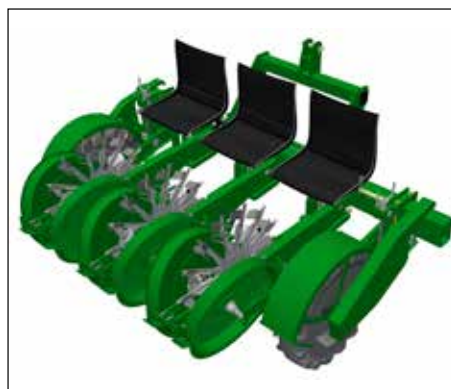
**F12**



**ITALIA 10**



**ITALIA 15**



**ITALIA 14 STAR**



**PLANTEC ONE**



**V140 V190 V210**



**PLANTEC ONE + V140**





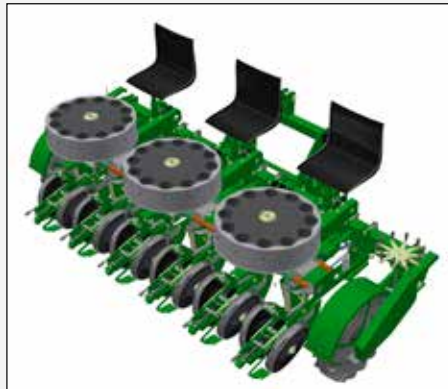
**FLORIDA 10 CUPS**



**CALIFORNIA**



**STDM FLORIDA / CALIFORNIA**



**C12**



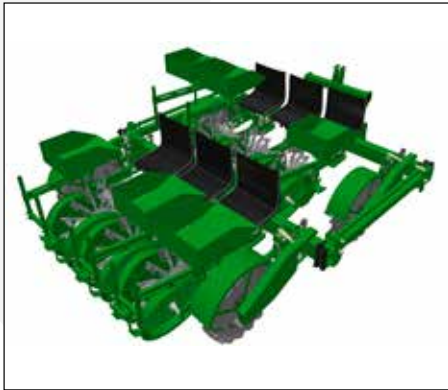
**F18**



**C18**



**ITALA 25**



**STDM ITALIA**



# ST9

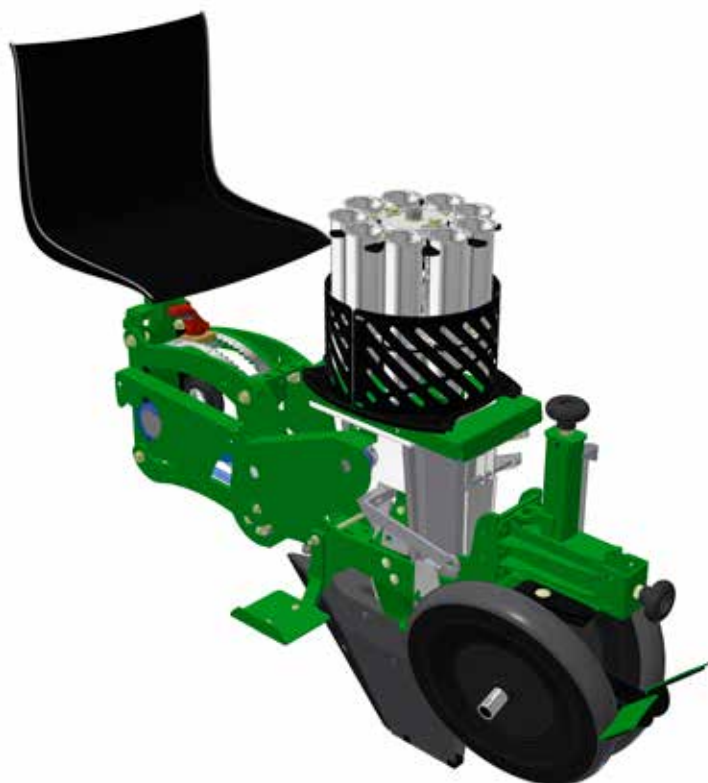


ST9 is the semi-automatic Sfoggia transplanter born for transplanting at narrow row-distances, minimum 30 cm.

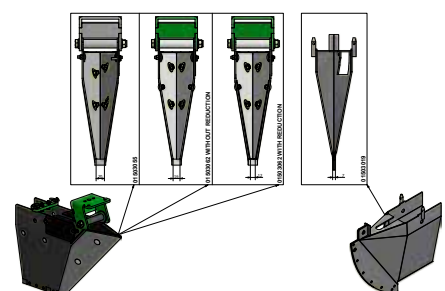
Application: ST9 is suitable for transplanting young plants with conic, pyramidal and cylindric-shaped turfs

It is suitable for salad, chicory (radicchio), tomato, cabbage and lettuce.





# AVAILABLE SHOES





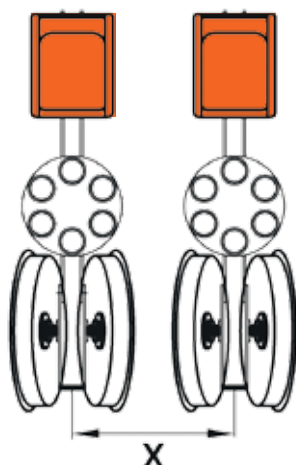


## CAROUSEL 9 CUPS WITH INTERMITTENT ROTATION

PRODUCTIVITY: 5000 plants / hour

EJECTOR AND GUILLOTINE WITH CAM CONTROL WITH VARIABLE GEOMETRY ON BEARINGS

MINIMUM ROW DISTANCE 30 CM



ST9

	ST9	ST11
Row distance "X" minimum/maximum between units cm	30	45
Other configurations on request		

ST9 / ST11	Min ÷ Max (cm)
A	2,0 ÷ 5,0
A1	2,0 ÷ 4,0
B	4,0 ÷ 6,0
C	8,0 ÷ 18,0
D	12,0 ÷ 25,0





# ST11



ST11 is the semi-automatic Sfoggia transplanter born for transplanting at narrow row-distances, minimum 45 cm.

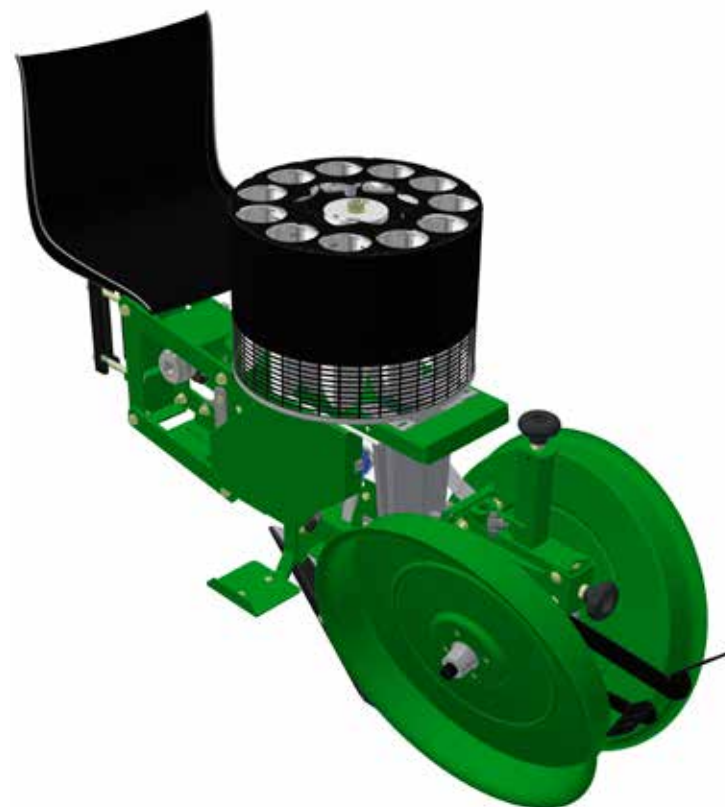
They are suitable for transplanting young plants with an alveolar turf. The plants distributor are equipped with 9 and 11 cups in order to increase productivity and speed of transplant, the carousel rotation is jerky to keep the falling phase at low and high advance speeds, the plowshare coulter is self cleaning.

Application: ST11 is suitable for transplanting young plants with conic, pyramidal and cylindric-shaped turfs

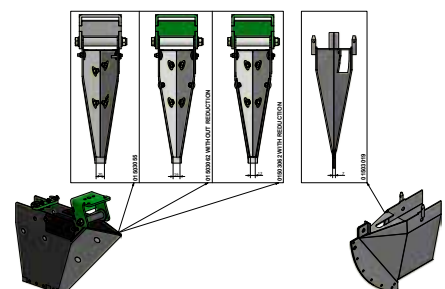
It is suitable for salad, chicory (radicchio), tomato, cabbage and lettuce.







#### AVAILABLE SHOES





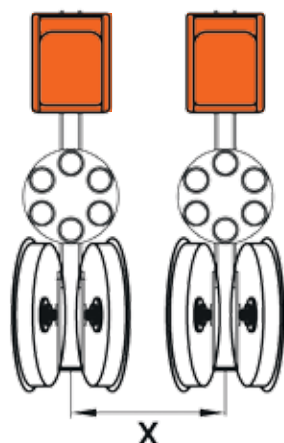


## CAROUSEL 9 CUPS WITH INTERMITTENT ROTATION

PRODUCTIVITY: 5000 plants / hour

EJECTOR AND GUILLOTINE WITH CAM CONTROL WITH VARIABLE GEOMETRY ON BEARINGS

MINIMUM ROW DISTANCE 30 CM



ST11

	ST9	ST11
Row distance "X" minimum/maximum between units cm	30	45
Other configurations on request		

ST9 / ST11	Min ÷ Max (cm)
A	2,0 ÷ 5,0
A1	2,0 ÷ 4,0
B	4,0 ÷ 6,0
C	8,0 ÷ 18,0
D	12,0 ÷ 25,0







# FLORIDA

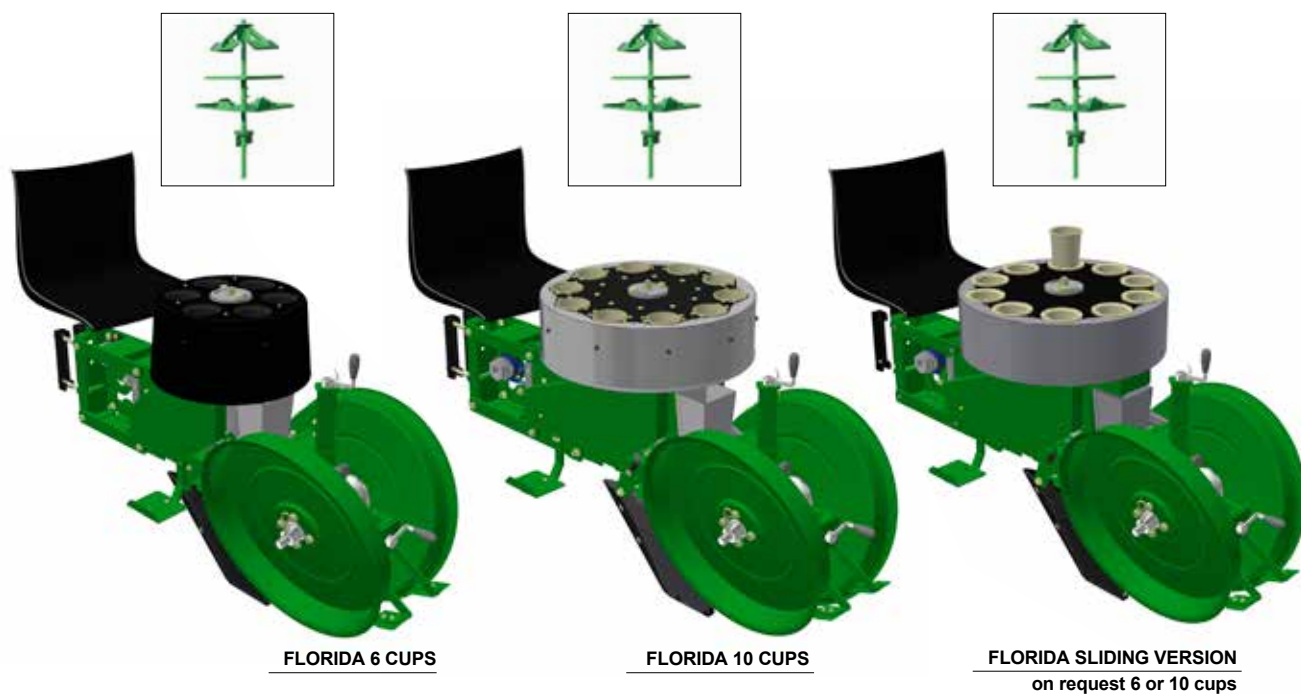


FLORIDA is a polyvalent semi-automatic transplanter suitable for transplanting young plants; it is equipped with independent units with parallelogram for a better oscillation; plants distribution through plastic cups (6 or 10); big stainless steel plants falling pipe, guillotine for plants support. Available in 2 versions: STM with single frame and STD with double frame. FLORIDA can transplant up to around 4.000 plants/hour on each unit (6 cups version) and up to around 6000 plants/hour (10 cups version).

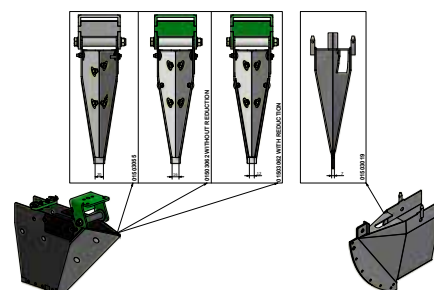
Applications: FLORIDA is suitable for planting young plants with conic, pyramidal, or cylindric turfs. It is ideal for transplanting tobacco but it is also suitable for salad, chicory (radicchio), tomato, cabbage, lettuce, etc.







#### AVAILABLE SHOES



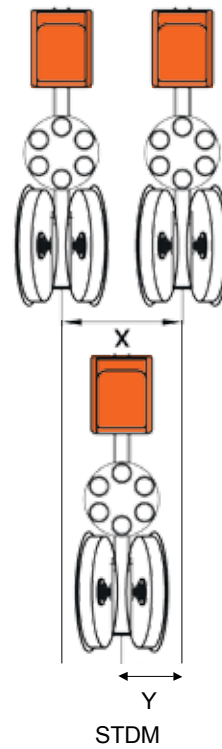
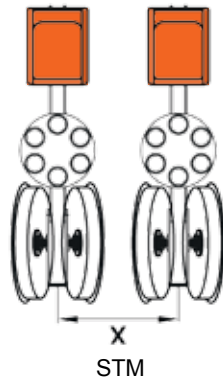




CAROUSEL 6 OR 10 CUPS WITH CONTINUOUS ROTATION  
ROTATION PLATE CAROUSEL 6 OR 10 HOLES AVAILABLE,  
TOO

PRODUCTIVITY: 4000 plants / hour 6 CUPS  
6000 plants / hour 10 CUPS

MINIMUM ROW DISTANCE 50 CM 6 CUPS CAROUSEL  
61 CM 10 CUPS CAROUSEL



A	3,0 ÷ 5,0
A1	2,5 ÷ 4,0
B	4,0 ÷ 6,0
C	8,0 ÷ 18,0
D	12,0 ÷ 25,0

		MINIMUM ROW DISTANCE 6 cups
X	STM	50 cm
Y	STDM	25 cm

		MINIMUM ROW DISTANCE 10 cups	
X	STM	61 cm	without tractor wheel
X	STM	82 cm	with tractor wheel



# CALIFORNIA



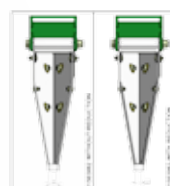
CALIFORNIA is a semi-automatic transplanter suitable for transplanting young plants; it has independent units, plants distribution through 6 plastic cups. Two versions are available: STM with single frame and STD with double frame. With CALIFORNIA it is possible to transplant up to 4.000 plants/hour each unit.

Applications: CALIFORNIA is suitable for planting young plants with conic, pyramidal, or cylindric turfs. Types of plants: salad, chicory (radicchio), tomato, cabbage, lettuce, etc.





#### AVAILABLE SHOES





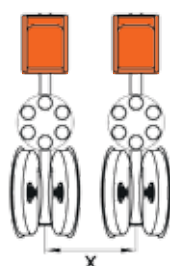


## CAROUSEL 6 CUPS WITH CONTINUOUS ROTATION

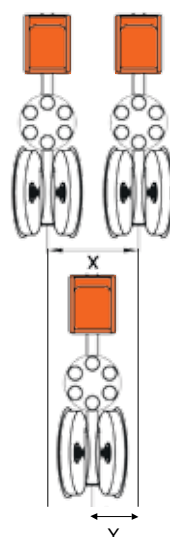
PRODUCTIVITY: 3500 plants / hour

MINIMUM ROW DISTANCE STM 50 CM

MINIMUM ROW DISTANCE STD 25 CM



**STM**



**STD**

A	2,0 ÷ 3,5
A1	1,5 ÷ 2,5
B	4,0 ÷ 6,0
C	8,0 ÷ 18,0
D	12,0 ÷ 25,0

		MINIMUM ROW DISTANCE cm
X	STM	50
Y	STD	25







# F10 - C10



F10 / C10 is a semi-automatic polyvalent transplanter suitable for transplanting young plants, where one operator works on two rows; the distribution of the plants is done by a plastic carousel with 12 cups.

The units of F10 are equipped with balancing arm, stainless steel big plants falling pipe, guillotine for plants support.

The units of C10 are equipped with balancing arm, painted steel standard falling pipe, guillotine for plants support.

The row distance is adjustable from 30 to 60 cm.

Productivity: up to around 7.000 plants/hour each unit.

Application: tomato, cabbage, pepper, chicory (radicchio), etc.



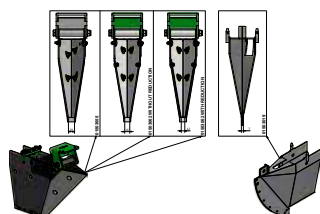


F10

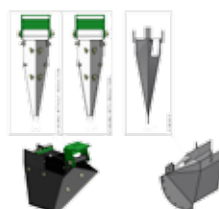


C10

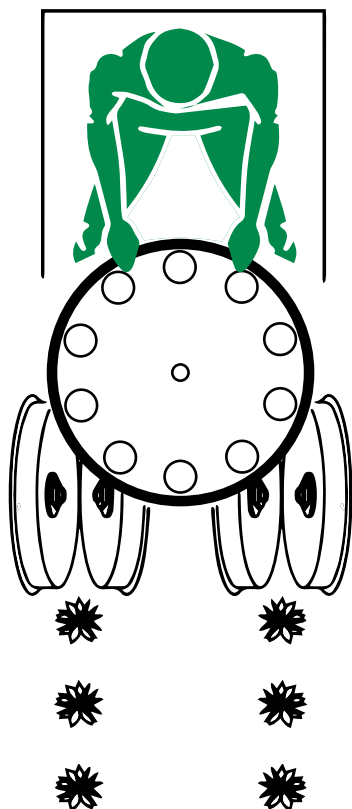
AVAILABLE SHOES F10



AVAILABLE SHOES C10







## CAROUSEL 10 CUPS WITH CONTINUOUS ROTATION

PRODUCTIVITY: 7000 plants / hour

MINIMUM ROW DISTANCE ADJUSTABLE 30/60 CM

Y= 30 cm	X = min 30 max 60
----------	-------------------

Minimum row distance "Y" with tractor wheels between the units		X
3 - with Farmflex compression wheels 400x60 / 400x80	63 cm	30 cm
4 - with skids and rubber compression wheels 2"	65 cm	30 cm
5 - with skids and rubber compression wheels 1"	65 cm	30 cm

	F 10 Min ÷ Max (cm)	C 10 Min ÷ Max (cm)
A	3,0 ÷ 5,0	2,0 ÷ 3,5
A1	2,5 ÷ 4,0	1,5 ÷ 2,5
B	4,0 ÷ 6,0	4,0 ÷ 6,0
C	8,0 ÷ 18,0	8,0 ÷ 18,0
D	12,0 ÷ 25,0	12,0 ÷ 25,0





# F12 - C12



F12 / C12 is a semi-automatic polyvalent transplanter suitable for transplanting young plants, where one operator works on two rows; the distribution of the plants is done by a plastic carousel with 12 cups.

The units of F12 are equipped with balancing arm, stainless steel big plants falling pipe, guillotine for plants support.

The units of C12 are equipped with balancing arm, painted steel standard falling pipe, guillotine for plants support.

The row distance is adjustable from 40 to 70 cm.

Productivity: up to around 7.000 plants/hour each unit.

Application: tomato, cabbage, pepper, chicory (radicchio), etc.



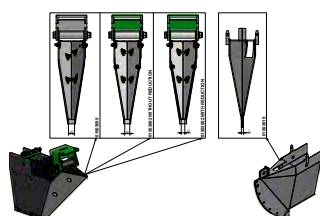


F10

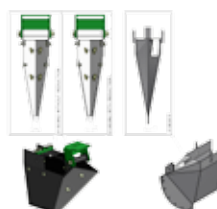


C10

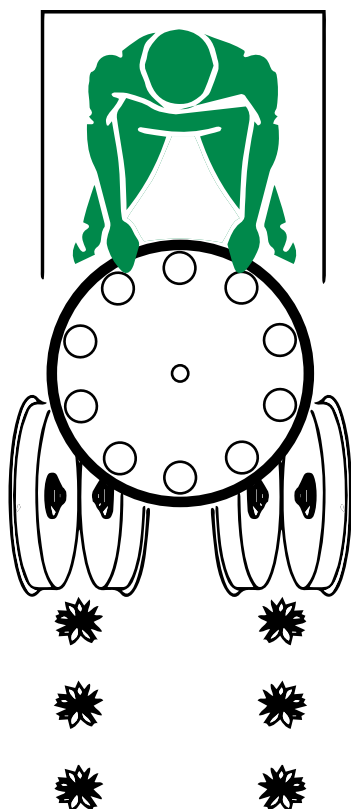
AVAILABLE SHOES F10



AVAILABLE SHOES C10







## CAROUSEL 12 CUPS WITH CONTINUOUS ROTATION

PRODUCTIVITY: 7000 plants / hour

MINIMUM ROW DISTANCE ADJUSTABLE 40/70 CM

Y= 40 cm	X = min 40 max 70
----------	-------------------

Minimum row distance "Y" with tractor wheels between the units	X	
3 - with Farmflex compression wheels 400x60 / 400x80	63 cm	40 cm
4 - with skids and rubber compression wheels 2"	65 cm	40 cm
5 - with skids and rubber compression wheels 1"	65 cm	40 cm

	F 12 Min ÷ Max (cm)	C 12 Min ÷ Max (cm)
A	3,0 ÷ 5,0	2,0 ÷ 3,5
A1	2,5 ÷ 4,0	1,5 ÷ 2,5
B	4,0 ÷ 6,0	4,0 ÷ 6,0
C	8,0 ÷ 18,0	8,0 ÷ 18,0
D	12,0 ÷ 25,0	12,0 ÷ 25,0





# F18 - C18



F18 / C18 is a semi-automatic polyvalent transplanter suitable where one operator works on two rows; the distribution of the plants is done by a plastic carousel with 18 cups.

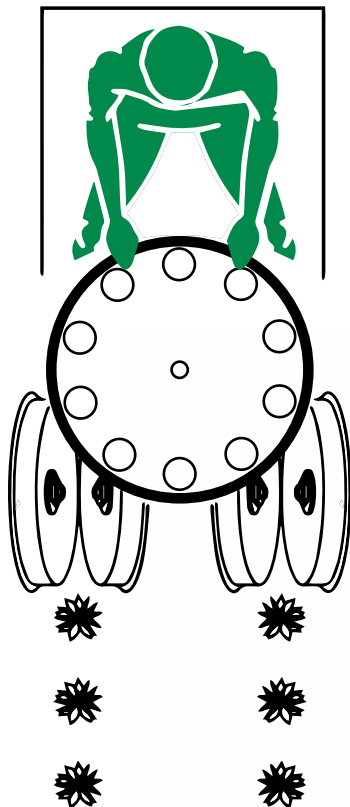
The units of F18 are equipped with balancing arm, stainless steel big plants falling pipe, guillotine for plants support.

The units of C18 are equipped with balancing arm, painted steel standard falling pipe, guillotine for plants support.

The row distance is adjustable from 60 to 120 cm.

Productivity: up to around 7.000 plants/hour each unit.

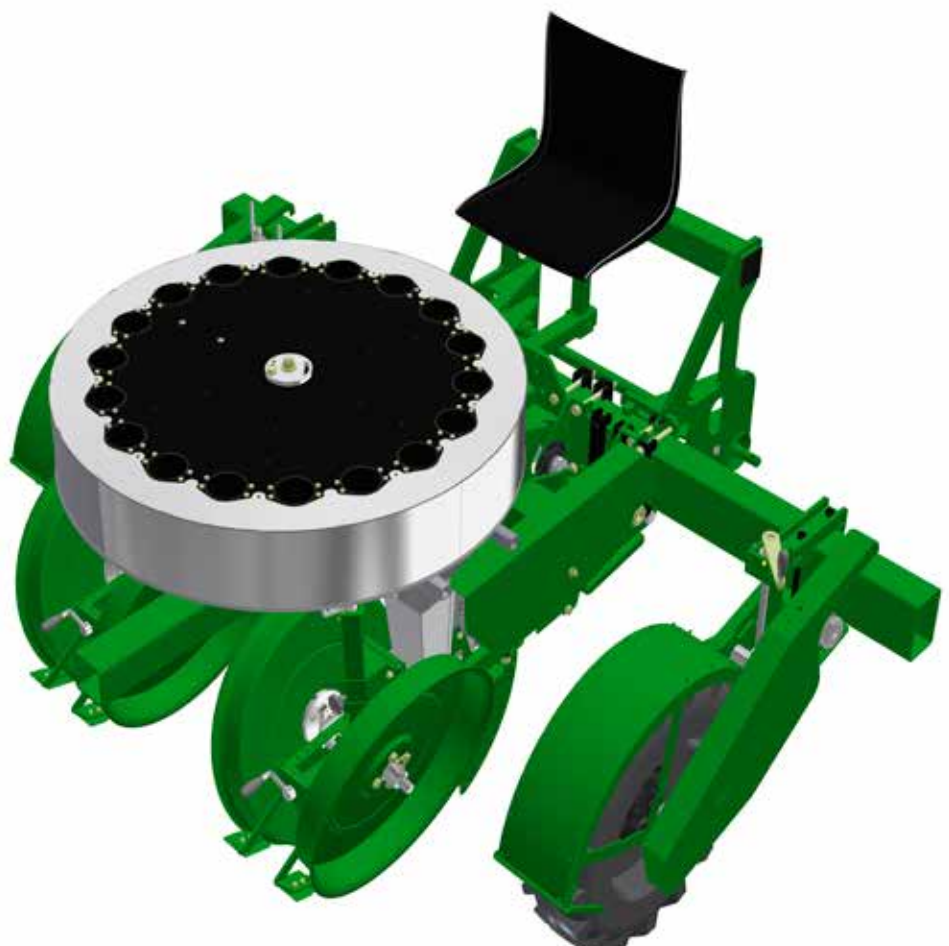
Application: tomato, cabbage, tobacco, etc.



CAROUSEL 18 CUPS WITH CONTINUOUS ROTATION

PRODUCTIVITY: 7000 plants / hour

MINIMUM ROW DISTANCE ADJUSTABLE 60/120 CM





# ITALA

**10 CLIPS**

**14 CLIPS STAR**

**15 CLIPS**

**25 CLIPS**



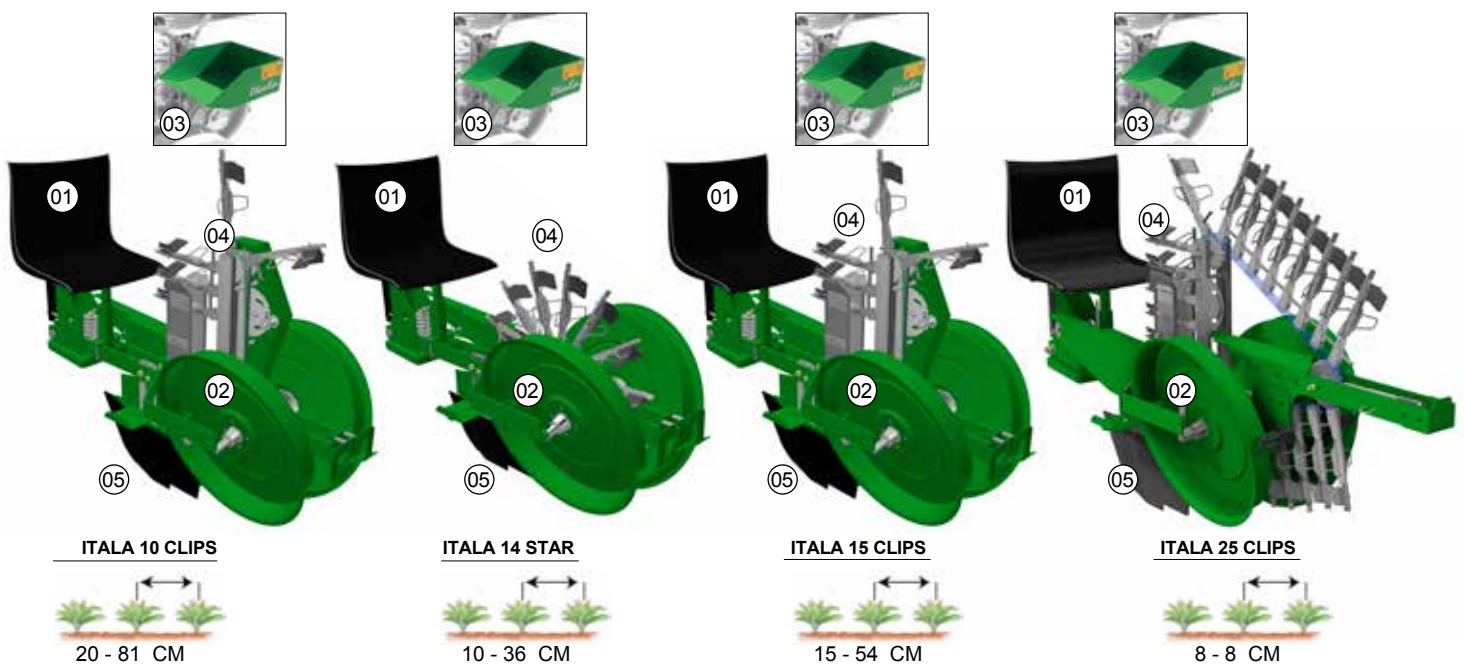
ITALA is the ideal machine for transplanting all vegetable, nursery and horticulture bare-rooted and turf plants. The ITALA transplanters are available in following versions: the first model is the classic one with 10 clips with ovoidal vertical placement; the second model is like the first one, but with 15 clips; the third model is called "Star" and is equipped with 14 clips places in a circle; the difference between the model "Star" and those with ovoidal shape consists in the possibility to plant at shorter distances in the row. The model ITALA 25 clips grants the fix narrow transplant distance in the row of 8 cm. This transplant distance is not adjustable. Moreover these models can be developed in: ST, STM, STD and STDM.

The ST version has a single frame and the movement is given to the units from the steel compression wheels, the same for the STD version but with double frame; the STM version has single frame with movement given from the tractor wheels; finally the STDM version has double frame and movement given from the tractor wheels.

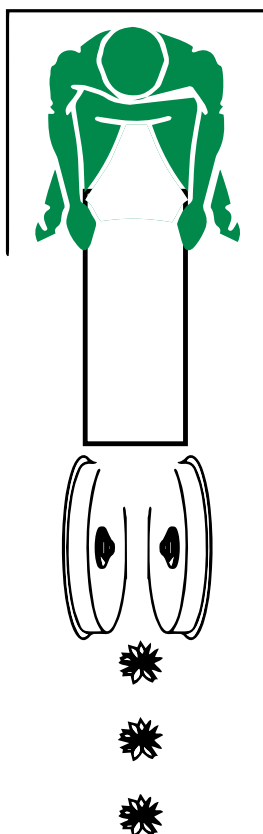
With ITALA around 1.500-2.000 plants/hour can be planted with each unit.

Applications: ITALA is suitable for transplanting salad, chicory (radicchio), tomato, cabbage, lettuce, etc. but also calibrated or sliced potatoes; even small shrubs, vines or azalea might be transplanted (up to a maximum height of 35 cm).







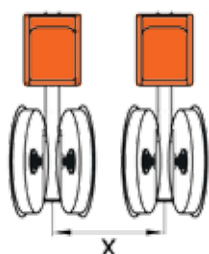


PRODUCTIVITY: 1500 plants / hour

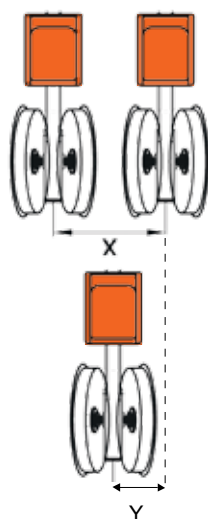
MINIMUM ROW DISTANCE: 50 cm

VERSIONS:

- 10 PLIERS
- 15 PLIERS
- 25 PLIERS
- STAR14 PLIERS



**STM**



**STDM**

FIXED FRAME						
CODE	FRAME WIDTH (m)	REF.	N° UNITS	TRACTOR WHEELS		
				N°	DIMENSIONS	TYPE
	2,45	01	1-2-3	2	5.00-15 (630x130)	REAR
	2,45	02	4	2	6.5/80-15 (670x160)	REAR
	3,00	02	5	2	6.5/80-15 (670x160)	REAR
	2,45	STDM	2-3-4	4	5.00-15 (630x130)	REAR
	2,45	STDM	5-6	4	6.5/80-15 (670x160)	REAR

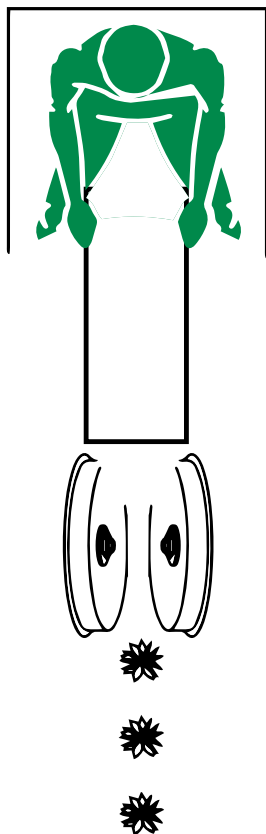
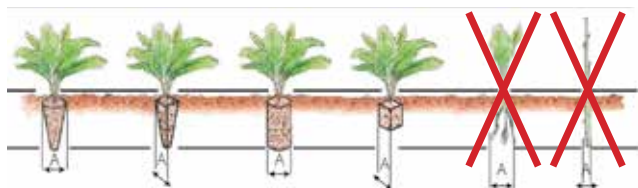


# PLANTEC ONE



PLANTEC ONE is a semi-automatic transplanter for young plants with turfs, suitable for planting on bare soil or on plastic/paper. The planting process through the plastic or paper happens with the descent and perforation of the film and penetration in the soil of the transplanter's aluminium cups; the plants are released in the soil and the rear rubber compression wheels press them.

Applications: PLANTEC ONE transplants cubic, conic, pyramidal and cylindrical turfs, calibrated potatoes, big seeds, like for instance beans, green beans, etc.. Crops: salad, chicory (radicchio), tomato, cabbage, lettuce, etc.



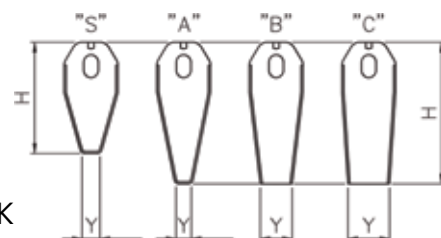
PRODUCTIVITY: 3000/3500 plants / hour

MINIMUM ROW DISTANCE:

26 cm for 2-row machine

30 cm starting from 3-row machine

TRANSPANTER SUITABLE TO PLANT ON NAK  
SOIL OR THROUGH PLASTIC



	Standard cup type "S"	Cup type "A"	Cup type "B"	Cup type "C"
H (cm)	20	24	24	24
Y (cm)	2,0	1,7	6,0	8,5
Max transplant depth cm	7,0	10,0	7,0	7,0
Max cups number each unit	6	5	5	5
Min ÷ Max (cm)				
A	1,5 ÷ 4,0	1,5 ÷ 4,0	3,0 ÷ 5,0	4,0 ÷ 7,0
B	4,0 ÷ 6,0	4,0 ÷ 7,0	4,0 ÷ 7,0	4,0 ÷ 7,0
C	4,0 ÷ 15,0	4,0 ÷ 15,0	4,0 ÷ 15,0	4,0 ÷ 15,0
D	8,0 ÷ 20,0	8,0 ÷ 20,0	8,0 ÷ 20,0	8,0 ÷ 20,0
L	2,0 ÷ 3,0	2,0 ÷ 3,0	3,5 ÷ 4,5	5,0 ÷ 6,0
B1	3,0 ÷ 4,0	3,0 ÷ 4,0	3,0 ÷ 5,0	4,0 ÷ 6,0

Min. "Y" row distance cm	30
Min. "X" row distance cm with tractor wheel between the units*	67 (big tractor wheel) 63 (normal tractor wheel)

Possible plant - plant distances	
Measures in cm	Cups number
90-102-114-126-138-150-162	1*
45-51-57-63-69-75-81	2*
30-34-38-42-46-50-54	3
23-26-29-32-35-38-41	4
18-20-23-25-28-30-33	5
15-17-19-21-23-25-27	6





# MULCH LAYER

V 140 - V90 - V 210



MULCH LAYER V is a machine that lays plastic or paper films; its functionality is elementary.

It is offered in three models: V140 with working width adjustable up to 1,40 m, V190 with working width adjustable up to 1,90 m and V210 with working width adjustable up to 2,10 m. It is a very simple machine, whose frame consists of assembled parts; using V140 - V190 - V210 to lay film on the ground does not bring any difficulty. It permits to lay mulch on one or more beds at a time.

Application: V140 - V190 - V210 can work on all types of flat soil or on beds with maximum height of 10-15 cm.

It can work with plastic film, celluloid film and bio-degradable cellophane film.

AVAILABLE WITH FRONT ROLLER OR WITH FRONT RUBBER WHEELS

SUITABLE FOR WORKING ON FLAT LAND OR ON BEDS

COMBINABLE WITH PLANTEC ONE TRANSPLANTER

AVAILABLE:

140 CM - 190 CM - 210 CM WITH FIXED FRAME

or

140 CM - 190 CM - 210 CM WITH HYDRAULIC FOLDING FRAME











Via Feltrina Sud, 170  
31044 Montebelluna  
Treviso - Italy  
[www.sfoggia.com](http://www.sfoggia.com)

T +39 0423 24041-42  
T +39 0423 24014  
[info@sfoggia.com](mailto:info@sfoggia.com)

