

GASPARDO

SP SPRINT ST STELLA SARA



VACUUM PLANTERS

SP seeding unit, the best accuracy on tilled lands

SP VACUUM PLANTERS RANGE

SP seeding unit: the best accuracy on seeding distance for tilled lands.

The SP unit has a simple construction, is extremely light and incredibly precise on the seed in-line distance. Its secret is the ultra-low metering unit seed release point (only 140 mm).

All the technical solutions have been studied to be comfortable and intuitive, making easy the daily work and maintenance routine.



MOUNTED

MAIZE UNIT



MODEL	ROWS	SPACING
SP SPRINT	2-4-5-6-8	45 - 75

SUGARBEET UNIT



MODEL	ROWS	SPACING
SP SPRINT	5-6-8-12	45

TELESCOPIC FRAME



MODEL	ROWS	SPACING
SARA	6	75
ST300	6-7-8	45-60-75



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MILESTONES

GASPARDO

Since 1834, Gaspardo designs and manufactures implements following just one aim: to satisfy professionals' requests from all over the World.

Nowadays, seeding technology has affected the production, leading to machines that can sow without tillage, or reducing it to a minimum; the number of handled rows has increased according to the risen power of tractors. The Company is able to product out-and-out monuments up to 48 rows to meet the requirements of the biggest cereal farms in the world. Gaspardo, innovation goes on.



1931
G23
Mechanical planter
horse driven



1970
LEONARD
First no-till
mechanical planter



1958
FRIULI
Mechanical planter



1975
SP510
Vacuum precision
planter



1972
P 730
First vacuum
planter



1983
NO-TILL
Combined strip
rotary tiller and
planter



1980
520
Vacuum precision planter
and MINIMAX patented
distributor system



1989
DIRETTA
First no-till seed
drill



1834
GASPARDO
foundation



2013
BALENA

Tines seed drill



2014
TRONIC

Electronic precision planter



2007
DAMA

First combined seed drill on the roller



2010
MAXIMETRO

First European 48 rows



2005
METRO

Vacuum precision planter



2006
REGINA

No-till precision planter



1994

MASCHIO GASPARDO
insieme si vince



1996
COMBINATA

Combined seed drill
100% MASCHIO
GASPARDO



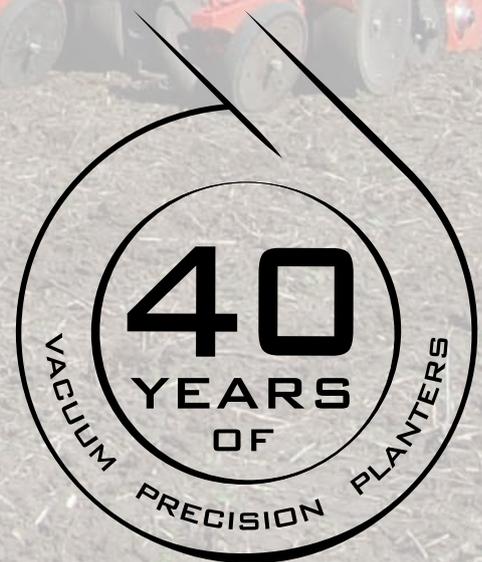
1990
MT 600

First double disc vacuum planter



1986
LEONARD 90

First no-till vacuum planter



PLANTING UNIT

ALL THE FEATURES YOU NEED FOR A PERFECT JOB!

No maintenance

Self-lubricating bushings on parallelogram hinges.

Match soil condition

The adjustable spring load can set unit pressure to the ground up to 55 kg.

Exclusive Drive shaft transmission

Accurate and with very low maintenance.

Work on smooth!

The front clod-pusher removes all the bigger clods from the way of coulter and depth wheel.

A perfect furrow!

The shoe-coulter opens a well-defined groove on the seedbed. The replacement of wearing part is quick & easy to perform always at the best.



Field range

34 litres seed hopper, easy access.

Accurate depth control!

Continuous adjustment from 1 to 10 cm.

Gentle but sharp!

The vacuum seed selection operates with extreme sensitivity and keeps good viability of seed with a delicate treatment.

Accuracy!

Prevent doubles with the fine adjustment of the seed scraper.

Versatile!

Replacing the seeding plate is quick and easy!

Good seed to soil contact!

The furrow-closing units moves back soil over the seeding line.



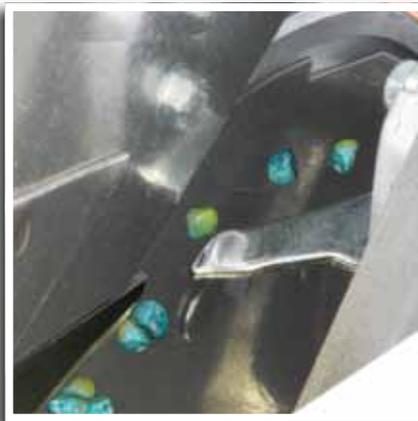
ACCURACY AND EXPERIENCE

MILLIMETRIC PRECISION!



Accuracy

The vacuum system gently pulls and individually holds the seeds into flat seed plate holes, regardless inconsistency in shape and size.



Seed Singulator

The double seed singulator action can be checked from back inspection door and it can be very quickly and easily adjusted. Singulation is carried out on inner side and outer side of holes avoiding in this way doubles.



Shaft drive

The exclusive Gaspardo system with bevel gears and shaft drive makes very smooth and uniform transmission to the single seeding units. Comparing to chain drive, this configuration prevents the speeding-up or speeding-down of the seeding plate on wavy soil profiles. This means respect of seeding distance in any conditions! The drive shaft solution reduces dramatically the maintenance times as requires only periodical greasing of the bevel gears.



Low falling point

The seed dropping point from metering unit is just 140 mm above the bottom of the furrow. This reduces to minimum all likeliness for the seed to bounce: the target distance will be matched with the best accuracy!

The excellent Gaspardo's precision improves your yield significantly reducing payoff. Seeding faults are avoided and even spacing guarantees higher productivity.



From SP I appreciated from first time precision in seeding and simple setup, I also liked its very light weight. I'm happy of my purchase!

Takaaki Kitamura, agricoltore, Kamifurano, Giappone.

I'm highly satisfied of the machine: I bought 3 SP 8 row units. The SP is very user friendly with simple setup, reduced maintenance and spare parts need. The seeding accuracy is incredible!

*Marych Gennadiy general manager di Agrotech Farm
Regione dello Zaporozhzhze, Ucraina.*



OPTIONS AND FEATURES

THE BEST FLEXIBILITY

The SP unit is produced in 3 variants to adapt to all crops and all fields. The configuration of the unit can be chosen from factory configuration or fitted later by conversion kits.



Standard version for maize

This is the basic version of the SP unit: the front mounted clod-pusher eases the action of the shoe coulter. With the right seeding plate is possible to switch quickly the machine to work on many different crops (maize, sorghum, soya, sunflower, cotton, bean, tomato, ...)!



Double disc version for harder soils

The front double disc with 370 mm diameter helps the shoe coulter to open a furrow on harder soils. This configuration keeps the front clod pusher and the standard coulter. The two discs are always clean thanks to mudscrapers.



Sugarbeet version

This special unit has been designed for small seed crops which need a very shallow seeding (sugarbeet, rapeseed, ...). The particular configuration with 2 wheels on balancer guarantees an absolute even depth. The press rubber wheel makes easier the seed-to-soil contact for a uniform and quick seed germination.



SEED COVERING

AN OPTIMAL SEED COVERING FOR AN EVEN GERMINATION



Farmflex wheel
(standard equipment)

The rear seed press wheel \varnothing 370 mm reconsolidates the soil over the seeding furrow. It's the universal choice on sandy soils or well refined seedbeds: the ideal working condition for the SP unit.



2" V rubber press wheels

This device applies higher pressure on sides of the furrow: comparing to Farmflex wheel allows to close easier wet or hard soils.



1" V rubber press wheels

This solution is similar to the 2" wheels. The smaller surface in contact to soil increases the actual pressure. This make the solution more effective on most compact seedbeds.

OPTIONALS FOR SEED METERING UNIT



Seeding plates

Seeding plates for all crops with different hole number and diameter.



Small seed cover

Avoid small seeds escaping from metering unit (rapeseed, tomato, cucumber...)



Sugarbeet seed knocker

The knocker helps to release the coated seed that can get stick to the seeding plate.

OPTIONALS FOR VACUUM FAN



Hydraulic drive for vacuum fan

Useful when the planter is matched to a seedbed till implement.



750 or 1000 rpm pulley and belt kit

To adapt also to tractors which cannot work at 540 rpm at PTO.



Safe-bee kit

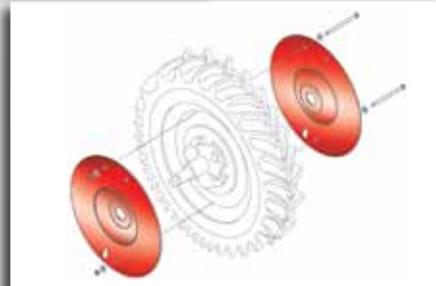
The bee-kit conveys to soil the vacuum fan discard. This protects the bees or other useful insect from seed coating residues.

OPTIONALS FOR TRANSMISSION



Double transmission

Particularly useful when more grip is needed.



Counterflanges

This optional feature protects the transmission wheels from impacts with stones.



6.50 or 7.50 transmission wheels

Improves the grip on soil and makes smoother the transmission.

OPTIONALS FOR THE FRAME



Eradicators

Loosen soil on tractor track.



Ridge planting

This system allows the ridge planting for irrigation.



Integrated cart

The transport cart allow an easy transport of larger rigid frame machines.

NUTRIENTS WHERE THE CROP NEEDS

LOCALIZED FERTILIZER: NO WASTE

The distribution of fertilizer close to the seeding row reduce all the wastes and improves fertilization efficiency. The exclusive Minimax dosing system allows a quick and precise rating of granular fertilizer from 100 to 550 kg/ha. Plastic, painted metal or stainless steel hoppers are available in a volume range from 90 to 1000 litres.



Double disc openers

The standard fertilizer openers are suffolk coulters. On demand are available special double disc units to open a good furrow in all conditions and in most difficult soils.

Microgranulators

The microgranulator hoppers allow to distribute into the seeding line chemicals, microfertilizer or rooting promoter. Each single box can serves 2 rows and has a volume of 16 litres.



Speedyset

This system makes much quicker and easier the setup of fertilizer rate. The handle on side of the fertilizer hopper operates at the same time on all the minimax metering units of the machine.



SP SPRINT

SP Sprint is a rigid frame vacuum planter with a simple but sturdy structure. Row number can be from 2 up to 8 and the row spacing normally available are 45 and 75 cm; anyway is possible to set the unit as narrow as 35 cm. Is possible to choose between 3 different units: standard, with front double disc or special sugarbeet unit. The strong frame is available both with front or rear drive wheels in widths from 190 to 600 cm.



Pinion gearbox for seeding distance

The mechanical gearbox with pinions allow to quickly setup the target seeding distance. Totally 42 transmission ratios are available: using the different seeding plates is possible to achieve over 200 sowing distance in a range from 2.9 to 42 cm. Customized discs are available and allow to setup seed distance up to 1.5 m.

SP SPRINT



FRAMES

- Available both with front or rear drive wheels
- II° category 3 point hitch with swinging 1st and 2nd point
- Strong frame 100 x 150 mm section or 150 x 150 mm (for machines > 5 m)
- Available widths: 190 – 250 – 320 – 420 – 580 cm
- Pinion gearbox for seeding distance



Transmission wheel

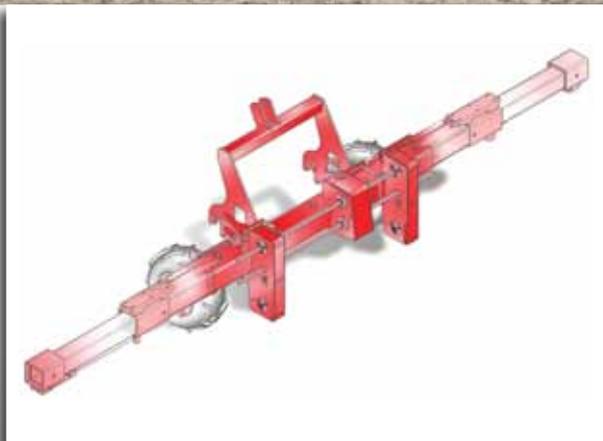
The transmission wheels allow a perfect grip on the soil and a uniform transmission to the metering unit. They can be front or rear installed and size up to 7.50 – 15 are available (for rear mounted wheels).



SARA

SARA

Is the 6 rows maize vacuum planter with extremely reduced transport width. When the special double section telescopic frame is closed the total width is only 2,50 m. The wide 20 x 8.00 – 10 transmission wheels are front mounted. In fertilizer version the stainless steel 850 l large hopper ensures great resistance to corrosion.



- Transport width 2.50 m
- 6 rows at 75 cm
- Standard speedset
- Fertilizer spreader version only with suffolk coulters

ST STELLA 300



ST STELLA

is a vacuum planter with 6, 7 or 8 rows and single telescopic frame section with road transport width of 3.00 m. Transport wheels are rear mounted.

The fertilizer spreader version can feature with 2 boxes of 200 litres each or by the big metal hopper of 1000 litres.



- Transport width 3.00 m
- 6 rows at 75 cm
- 7 rows at 60 cm
- 8 rows at 45 cm
- Standard speedysset
- Fertilizer spreader version only with suffolk coulters



MONITOR

UNDER CONTROL



Hectare-counter HCS

The hectare-counter HCS allows to keep data about total and partial worked area.

- Total hectare counter
- Partial hectare counter



V1200

The V1200 monitor and relative sensors on metering units allow to detect any seeding abnormalities. If one unit runs out of seed or there is a bad calibration of singulator (too many double seeds), an acoustic alarm and a flashing signal will help the operator to identify on which row there is a problem. The system supports up to 12 rows.

- Seed control by row with alarm
- Total hectare counter
- Partial hectare counter



MCE 6000 / MCE 12000

With this system is possible to check any anomaly on single seeding units and to monitor in real time the effective seeding distance row-by-row.

The system has a speed sensor and can support up to 6 (MCE 6000) or up to 12 lines (MCE 12000).

This monitor is ready to be configured with row shut-off. With optional electric devices on each unit it will be possible, any time is needed, to exclude seeding on single rows from driver's seat.

- Seed control by row with alarm
- Seeding distance control
- Speed sensor
- Total hectare counter
- Partial hectare counter
- Ready for row shut-off



Sensor on metering unit



Electric row shut-off



TECHNICAL FEATURES

Model	Version	Rows (n)	Row spacing (cm)
SP SPRINT	2 / 75	2	75
SP SPRINT	4 / 75	4	75
SP SPRINT	5 / 75	5	75
SP SPRINT	6 / 45	6	45
SP SPRINT	6 / 75	6	75
SP SPRINT	8 / 45	8	45
SP SPRINT	8 / 75	8	75
SP SPRINT sugarbeet	5 / 45	5	45
SP SPRINT sugarbeet	6 / 45	6	45
SP SPRINT sugarbeet	8 / 45	8	45
SP SPRINT sugarbeet	12 / 45	12	45
SARA	6 / 75	6	75
ST STELLA	6 / 75	6	75
ST STELLA	6 / 75 BB	6	75
ST STELLA	7 / 60	7	60
ST STELLA	8 / 45	8	45



Frame width (cm)	Weight basic version (Kg)	Fertilizer version weight (Kg)	Fertilizer hopper (l)
190	330	390	2 x 90
250	550	690	2 x 160
320	615	770	2 x 160
250	660	845	2 x 160
420	690	875	2 x 280
420	890	1085	2 x 280
580	930	1095	4 x 160
275	670	840	2 x 160
250	740	920	2 x 160
420	895	1095	2 x 280
580	1130	1225	4 x 160
400	975	1150	850
400	995	1170	2 x 200
400	-	1270	1000
400	1060	1250	2 x 200
400	1130	1320	2 x 200



GASPARDO



MASCHIO GASPARDO

the winning team

**COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =**

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