

# GASPARDO

# ROMINA



## TRAILED VACUUM PLANTER

*Pull type planter from conventional to no-till precision planting*



MASCHIO since 1964  
GASPARDO since 1834



**THE MEN BEHIND THE COMPANY:**  
*Over 45 years of success in the world of agricultural machinery...*

*...the result of the dedication of Maschio brothers, Egidio and Giorgio, with their vision, courage and managerial skills. Today the Maschio Gaspardo Group is a major multinational business company, renowned all over the world for its innovative products and as a serious and reliable business partner.*



Quality, Italian Design



## LOOKING FORWARD

- 1834** *Gaspardo establishment*
- 1950** *first 2 rows mechanical precision planter*
- 1964** *the Maschio brothers founded their business manufacturing small rotary tillers*
- 1972** *first vacuum precision planter*
- 1986** *patent for electronic transmission of the seeding units*
- 1990** *introduction of the first electronic seeding control monitor*
- 2010** *250.000 precision planting units sold worldwide*

*More than 1,000 employees, 4 production facilities in Italy, 3 abroad, 13 commercial subsidiaries throughout the world. These are the numbers with which we address the challenges of the present and the future... with the character forged by our tradition!*





Pull-type rigid frame vacuum planter

ROMINA, the brand new pull type **precision** planter makes planting **economical and faster** than ever. **Great maneuverability** thanks to the 2 point-pivot hitch and hydraulic lifting wheels. **Metering system** is driven by contact wheels and set by **levers gearbox**. The ROMINA is engineered to be also equipped with dry fertilizer kit as well as row-unit front attachments that make it the ideal match for conventional, minimum-till and no-till planting applications. The 6-row or 8-row ROMINA main frame is designed to handle the stress of rough and uneven seedbed conditions. **Great crop versatility** of GASPARDO vacuum metering system, you can quickly swap from corn to soybeans or any other crops by changing only the seeding plate. Seeding plates available for all type of crops: corn, soybean, sunflower, bean, edible bean, sugarbeet... The drawbar can be folded drastically reducing storage space need, moreover allowing easy transportation on trailer.

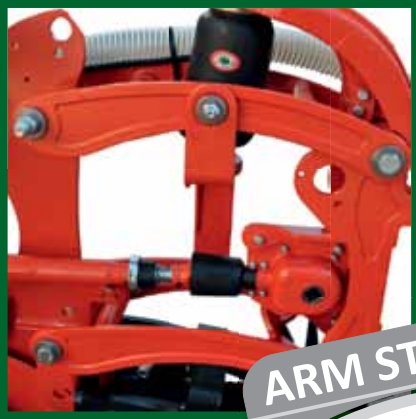


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# RUGGED FOR ROUGH!



ARM STRONG™

**Arm Strong**

This planting unit is designed for seeding in rough conditions and at high working speeds. The parallel linkage arm is made of one high tensile steel cast piece. This design prevents from twisting and bending under loads and impacts which can occur in the toughest working conditions.



**Spring**

The unit is supplied as standard with a steel spring which sets down-pressure at 300 pounds. An additional spring is available as option to set down pressure at 350 pounds per row. An Heavy Duty adjustable single spring can be fitted to set down-pressure from 250 to 350 pounds.



**Air Spring (Optional)**

The air spring device is available as optional and allows to adapt down-pressure to field conditions. It gives infinitely variable down-pressure from 250 up to 450 pounds per row.

AIRSPRING



**Bushings**

Self-lubricating sintered bushes, release oil particles that lubricate the hinge and are maintenance free.





CUSTOMIZE YOUR PLANTER TO  
MATCH PLANTING CONDITIONS!

Different front attachments are available to  
guarantee perfect seeding in different soil conditions.



**Front disc**  
Unit front mounted disc coulters cuts into hard soil in reduced till conditions. The wave profile creates extremely fine tilth 7/8 wide slot. Suitable for wet, spongy soils where it can be difficult to close the furrow.



**Trash Wheels**  
The adjustable trash wheels clean the row sweeping crop residues away. They prevent from uneven gauge wheels depth control and from trash burying.

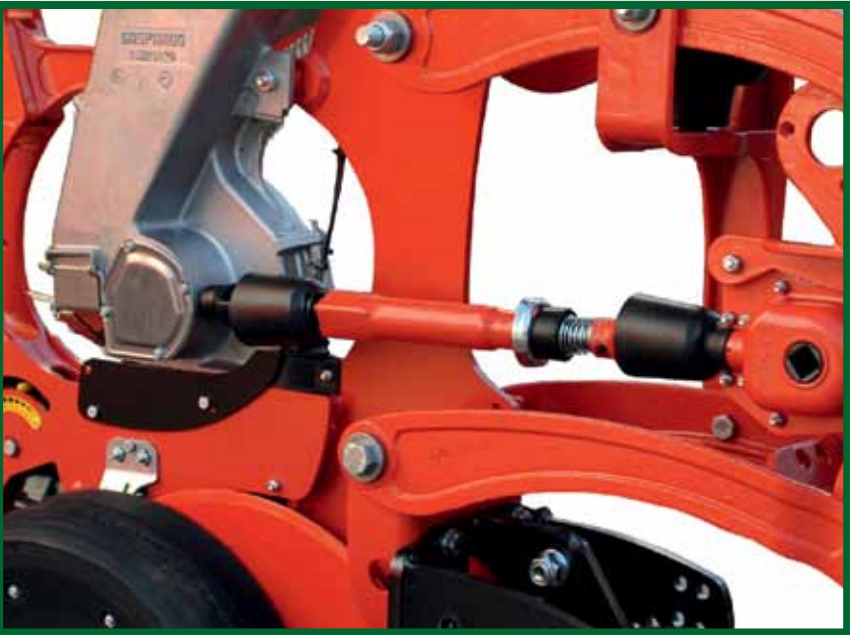


**Clods Pusher**  
The adjustable clod pusher moves dry soil and clods away from sowing slot, the front mounted independent coulters can cut the soil for a prime furrow opening on tilled soils conditions.

LONG LASTING PERFORMANCE  
WITH LOW MAINTENANCE!

Save money and time reducing maintenance operations.

**PTO Shaft Drive**  
Forget chains, lubrication and dusty wearing. No fear while working on high residues, corn stalk can't damage it.



**Super Scraper**  
The scraper has a wear resistant Tungsten carbide profile for NO-STOP working.

**Super Sealed Hub**  
The double rows ball bearing is oversized and guarantees a great reliability in the most demanding working conditions. Long life is guaranteed by triple seal protection, hub is dust proof ideal to work in wet conditions as well.

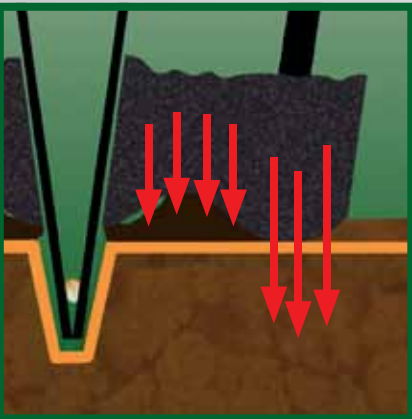
**Wide diameter double disc**  
The large disc 16 1/2 inch of diameter, 1/6 inch thick guarantees long lasting performance, extend operating life recovering discs edge wearing removing shim washers on hub assembling.



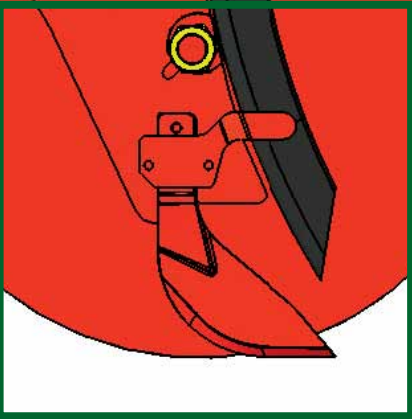


# DEPTH CONTROL

Set planting depth from 1/2" up to 5" thanks to the two wide gauge wheels with equalizing system to control seeding depth by counteracting left and right wheels. Even seeding depth control is guaranteed in rough soil conditions.

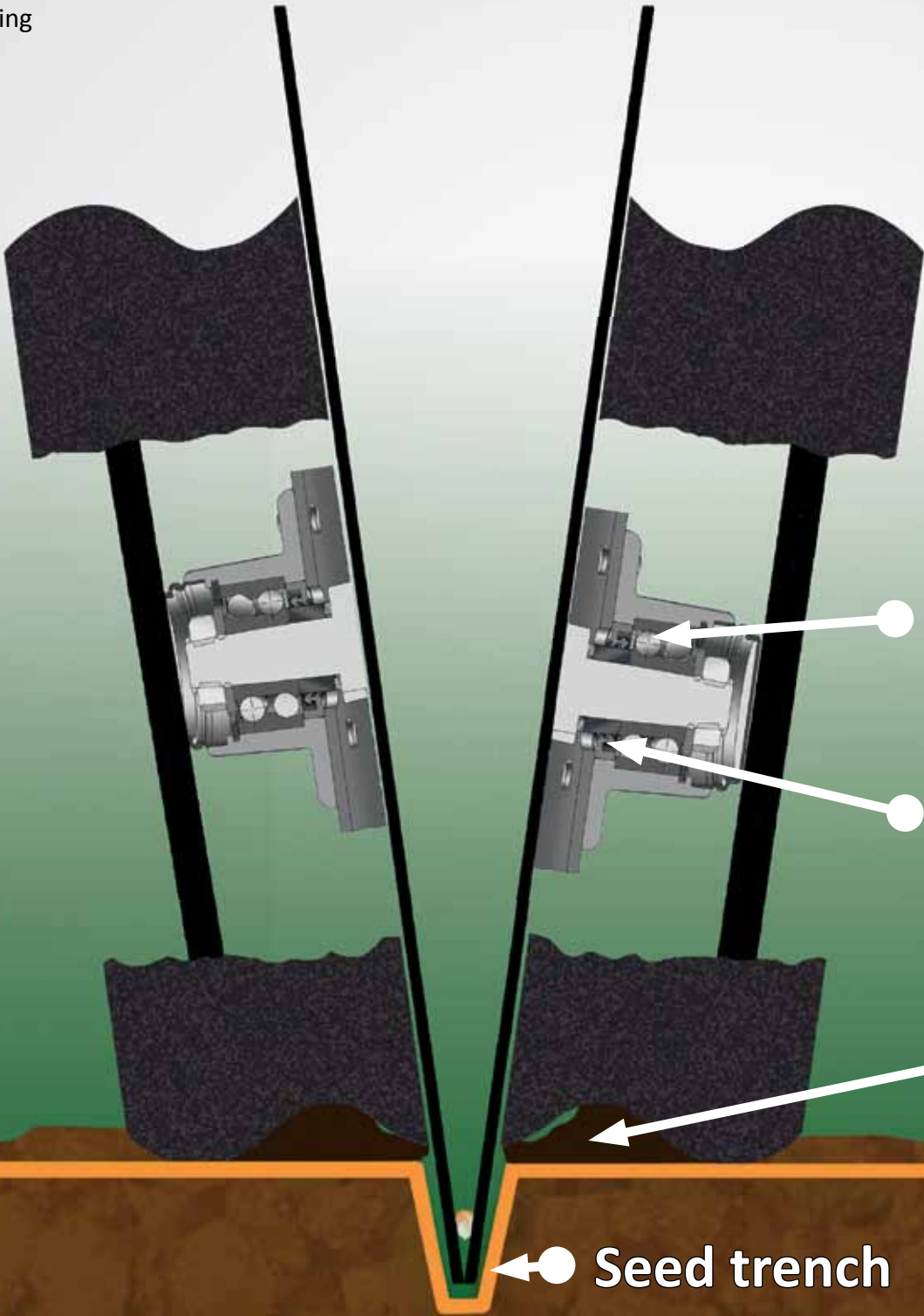


**Gauge Wheels**  
Gauge wheels consolidate soil immediately after furrow opening. Most down pressure is given on the side while the top soil closer to the furrow is just gently firmed before rear closing wheels.



**V Shaper Coulter**  
The coulter fitted between opening discs is made of wear resistant cast steel, it shapes the furrow and acts as a scraper inside the opening discs.

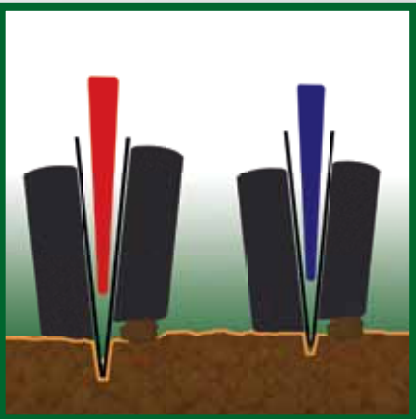
Soil Surface



**Seed Press Wheel**  
The stainless steel seed press wheel increases seed to soil contact improving emergence in dry soils. It can be easily excluded when not needed.



**Walking gauge wheels**  
Due to the largest diameter of double disc the walking gauge wheels action is guaranteed also planting at high depth (3").



**Heavy Duty**  
double rows ball bearing with metal hub cap.

**Super Seal**  
A triple sealing protection prevents dust from getting into the bearing housing.

Soft soil out of planting furrow is gently firmed before closing wheels

Seed trench



# ACCURACY PLANTERS



**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 window and it can be very quickly and easily adjusted. Singulation is carried out both from bottom and top of holes line eliminating in this way doubles.



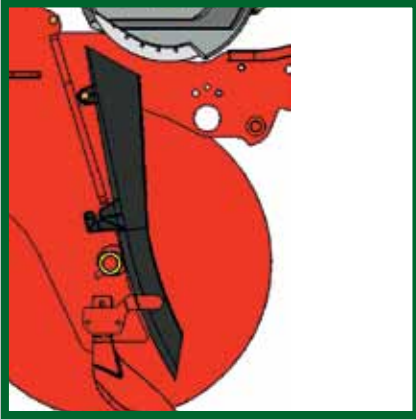
**PTO Shaft**

The PTO shaft drive guarantees an even seed plate rotation with no maintenance need. Maximum reliability with user friendly operation!



**Seed knocker**

Planting sugarbeet the additional seed knocker push out the seed in the case it gets stuck in the hole.



**Seeding Tube**

Seeding tube takes the very even spacing which is delivered by the very precise metering system into the furrow. Its special design prevent from ricochet during drop.

**Seed Braking System**

When seed falls into the narrow V shape furrow, it stops immediately maintaining an even spacing. Seed falling speed decreases from 6 to 0 mph in less then 1/12 of second.



**Ross Heathcotte - Poseyville IN**

“Just a couple of settings and you are ready to plant! I have never seen before a planter with such simple settings for planting. The toolbar is very heavy built. The units are also the heaviest that I have ever seen. The parallel arms are very strong and most of the unit is constructed of cast. Who could ask for more?”



**Carl Neubauer - Bloomington IL**

“Spacing and singulation are great! No extra kit are needed to improve singulation saving big money. With GASPARDO I don’t need to use any more talc and graphite. Forgetting about it is a big deal when I refill the seed boxes, save a lot of time and no need to get my hands dirty.”



**Lucas Goodman - Hickman TN**

“The narrow trench on the Romina is great! This allows the seed to set at the bottom of the trench and allows for a tight close. The maintenance on the Romina is very easy. There are very few wear parts and the grease fittings are easy to get to.”



**Ivan Boy - Bela-Bela (Limpopo, South Africa)**

“Emergence and seed distance are very even, much much better than my previous planter. The fertilizer metering system can handle all types of granulate, no matter what, even in very moist conditions it never clogs.”



# PERFECT SEED COVERING AND OPTIMAL SEED TO SOIL CONTACT



**Closing Wheels**

Closing rear press wheels with water pump bearings and bolt through design.



**Adjustable Wheels**

Adjustable wheels to optimize furrow closing up.



**Staggered Wheels**

Staggered wheels to prevent stones from jamming in between.



**Cam adjustment**

Thanks to the cam adjustment the rear closing wheels tail can be finely aligned with furrow guaranteeing a perfect seed covering in every soil conditions.



**Rubber Tire 2"**

Standard 2" rubber-tire closing wheels suitable for conventionally tilled and loose soil. The soft rubber prevents soil from sticking in wet conditions.



**Rubber Tire 1"**

Optional 1" rubber-tire closing wheels are suitable for dry soil and when increasing down-force is required to firm soil.



**Cast Iron**

Optional cast iron closing wheels are recommended for tough soil conditions with high crop residues, where more down-force is required to close the furrow.





# LOCALIZED FERTILIZER: NO WASTE!

**Distributing granulate fertilizer is simple and guarantees increased crop yields.**  
Using dry fertilizer in moist condition has always been an issue, not any more.  
From powdery to tough big granule the metering unit always does its job, also with very uneven granulate size.

Thanks to the low loading height refill the hopper is extremely easy and user friendly. The sieve grid prevents fertilizer lumps, debris and dirt from getting into the distributors.



Thanks to the open coil auger distributor, fertilizer delivery is extremely even also with inconsistent size of fertilizer grains.



Adjust the rate is easy and precise with the three cams gearbox. All the distributors can be adjusted with one move. Ultra wide range of setting thanks to the seamless system.





FRAME

GEARBOX

MODEL	ROW SPACING	FERTILIZER HOPPER CAPACITY	SEED HOPPER CAPACITY
6 ROWS	30" - 36" - 38" - 40"	2 x 23 bu (2 x 800 l)	1.8 bu (60 l)
8 ROWS	30" - 36" - 38" - 40"	2 x 23 bu (2 x 800 l) 3 x 23 bu (3 x 800 l)	1.8 bu (60 l)

Contact wheel drive

The **contact wheel drive** guarantees an even transmission in all soil conditions also with high residues. The drive line transmission is carried out by pto-shafts in place of conventional chains (no need for maintenance, no stalk residue getting stuck between chain and sprocket wheels).



Trailed rigid frame

**Great maneuverability** thanks to the 2 point-pivot hitch and hydraulic lifting wheels. The drawbar can be folded drastically reducing storage space need, moreover allowing easy transportation on trailer.

The gearbox with two levers is extremely user friendly, adjust the seed population will be easier than ever. No need to change chain position and/or sprocket wheels. 32 gear ratios for a wide range of seed to seed distances.





# GASPARDO



## MASCHIO

## GASPARDO

the winning team

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

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