VACUUM PLANTERS

MTR planting unit, the ultimate solution to plant in every soil and season conditions
The **MTR unit model** was developed to guarantee maximum capacity and working speed. The sturdiness of the frame and variety of configurations make this planting unit adaptable to all kinds of working conditions. The pneumatic seed distribution system guarantees extremely uniform delivery, even sowing seeds with uneven shape and size.

### MTR VACUUM PLANTERS RANGE

#### Model, Rows, Spacing

**MTR Fix Frame**
- **MTR**: 4-6-8-12, 18” - 36”
- **MARINA**: 6-8, 30” - 36”

**MTR Telescopic Frame**
- **MARTA**: 6 - 7*, 20” - 30”*
- **MTE**: 6 - 7*, 24”* - 30”

**MTR Folding Frame**
- **MANTA**: 8 - 12*, 18” - 30”*
- **MANTA XL**: 12, 30”
- **MIRKA**: 8, 30”
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VARIO SPACING

FIX FRAME

FOLDING FRAME
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.
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.

Unit down-pressure*
A single adjustment of the air compressor manages the downpressure setting on every row (from 250 to 450 lb).

* Only for ROMINA, MARINA, MARISA and MAXIMETRO

Large double disc
The large disc 16” ½ of diameter, ¾” thick guarantees long lasting performance, extended operating life recovering discs edge wearing removing shim washers on hub assembling.
High working range
1.7 bu hopper capacity

Match soil condition
Prevent doubles with the fine adjustment of the doubles eliminator

Accuracy
Prevent doubles with the fine adjustment of the doubles eliminator

No maintenance
Self lubricant bushings

Versatile
Replacing the seeding plate is quick and easy

Fine depth control
Continuous adjustment from ½” to 5”

Even seed placement
Walking gauge wheels

Free of maintenance
The shaft is dust proof and long lasting

Perfect closing action
Set the wheels staggered or spaced to better close the furrow

Easy and quick control
Set the down pressure with the handle with 7 positions

Perfect seed to soil contact
The coulter creates a very narrow “V” furrow

Fine adjustments
Front blade and clod pusher can be independent adjusted
OPTIONS AND FEATURES

CUSTOMIZE YOUR PLANTER TO MATCH PLANTING CONDITIONS!

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

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

**Front disc**
Unit front mounted disc coulter 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.

**Air Spring (Optional*)**
The adjustable spring allows to set the down-pressure compared to the soil condition. Adjust it to set the proper downforce from 250 lb up to 350 lb.
LONG LASTING PERFORMANCE WITH LOW MAINTENANCE!

Save money and time reducing maintenance operations.

**Cardan Shaft Drive**
Forget chains, lubrication and dusty wearing.
No fear while working on high residues,
stalks can’t damage it.

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

**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.
Set planting depth from $\frac{1}{2}$” 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.

**Walking gauge wheels**
Due to the largest diameter of double disc the walking gauge wheels action is guaranteed also planting at high depth (ex: 3” in dry soils).

**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.

**“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.
**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.

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

**Seeding Tube**
The special design prevents from seed bouncing during drop. The clip eases the potential of the seed tube contacting the rotating disc openers, which causes seed tube vibration and wear. No seed tube vibration assures a more consistent placement of the seed.

**Seed Braking System**
When seed falls into the narrow V shape furrow, it stops immediately maintaining an even spacing. Seed falling speed decreases from 7 to 0 mph in less then 1/12 of second.
The excellent Gaspardo’s precision improves your yield significantly reducing payoff. Seeding faults are avoided and even spacing guarantees higher productivity.

...A story that last long. My family have owned nine GASPARDO planters over the years. The latest MANTA stroke me the most for the great furrow opening capability and the accuracy of seed delivery. I like the folding frame and its flexibility to follow every contours.

Coslovich Cristian Agricoslovic, Fossalon di Grado, Italy

This is the first GASPARDO planter in our farm and we have been surprised for the accuracy and excellent finishing of the machine. We were pleased from the previous planter but the MTR has outstanding working capability in all condition. Coulters and gauge wheels work well in wet soil and emergency is perfect. Availability and down market of parts is another feature we really like.

Willy & Arne Kemps, Balen, Belgium

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

Lucas Goodman, Hickman, Tennessee USA
SEED COVERING

PERFECT SEED COVERING AND OPTIMAL SEED TO SOIL CONTACT

Closing Wheels
Closing rear press wheels with sealed bearings and bolt through design.

Adjustable Wheels
Adjustable wheels to optimize furrow closing up.

Staggered Wheels
Staggered wheels to prevent stones from jamming between them.

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.

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.
The in-row fertilize distribution reduces and improves its efficiency. Thanks to the big tank capacity and Flexeed metering system, a fine calibration of granular fertilizer is easy to achieve. The fan blows the air flow which takes granular fertilizer to the distribution heads and eventually to the rows. The granular fertilizer is evenly distributed into the furrows which are opened by the double disc coulters. From 593 up to 2996 lb/ac of fertilizer can be managed from tractor cab.

Genius benefits

- Simple and fast calibration
- Easy control of drill functions
- Sowing without delays or without wasting fertilizer at the field end
- Calibration is set directly from tractors seat even while moving
- It may be interfaced with satellite navigation systems for variable fertilizer dose distribution according to distribution maps. An SD card enables fast data transfer from the control unit to any PC.
Double Disc Coulter

Depending on the planter version and on crop requirements, fertilizer can be distributed by suffolk opener, double-disc opener or by pneumatic distribution directly into the seeding furrow.
MTR

• Narrow frame to be close to the tractor
• Narrow transmission system allows to set spacing from 36” down to 18”.

MARINA

• Heavy Duty squared toolbar, double frame
• Contact drive transmission and levers gearbox (32 gear ratio)
• Ferty system - fertilizer auger distributor
• Adjustable transmission wheels to plant on ridges

Gearbox

The gearbox with two levers is extremely user friendly. No need to change chain position and/or sprocket wheels.
Contact Wheel Drive

This system guarantees an even transmission in all soil conditions. 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).
MARTA

- Narrow transport width 8 or 10 ft
- Front wheels, perfect on stony conditions
- Stainless steel hopper 24 bu or BB hopper 28 bu

MTE

- Narrow transport width 10 or 10 ½ ft
- Rear big diameter transmission wheels
- BB hopper 28 bu

All-in-One

Those models can be coupled back to CONTE to carry out soil tillage and planting operation in a single pass. The fertilizer pneumatic delivery is managed by the electronic metering unit.
MTE-R BB

10 ft transport width
MANTA
- Front or rear transmission wheels
- Wings up system to easier maneuvers
- Suffolk or double disc fertilizer coulter
- Transport width available 8 and 10 ft

MANTA XL
- Telescopic wings to reduce transport width to 10 ½ ft
- Rear transmission
- Wings up system to easier maneuvers

MIRKA
- Big hopper capacity 40 bu
- Rear extra-large transmission wheels
- Pneumatic fertilizer delivery on side rows
- Speedy set fertilizer adjustment
- Double disc fertilizer coulter
- Hydraulic locking hooks device for a safe transport
- Wings up system to easier maneuvers

Wings Up
WINGS UP™ is the system that simplify steering manoeuvres thanks to automatic hydraulic lifting of side wings allowing steering on sloped terrains.
Three frame sections and gearboxes

The independent sections of the frame allows to follow every contours and is perfect for planting on slopes. The three gearboxes keep uniform the spacing also while planting on round field corners.
MONICA - MAGICA - MAGA

VARIO SPACING, ONE MACHINE MATCH ALL CROPS

MONICA
- Telescopic frame with narrow transport 8 ft
- Stainless steel 24 bu hopper
- Lever gearbox with 32 gears ratio
- Pneumatic fertilizer delivery on side rows
- Speedy set fertilizer adjustment

MAGICA
- Telescopic frame with transport 10 and 10 ½ ft
- Stainless steel 25.5 bu hopper
- Removable side rails to reduce the total width planting with a narrow spacing
- Lever gearbox with 32 gears ratio
- Pneumatic fertilizer delivery on side rows
- Speedy set fertilizer adjustment
- Suffolk fertilizer coulter

MAGA
- Telescopic frame with transport 10 and 10 ½ ft
- Stainless steel 25.5 bu hopper
- Removable side rails to reduce the total width planting with a narrow spacing
- Lever gearbox with 32 gears ratio
- Pneumatic fertilizer delivery on side rows
- Speedy set fertilizer adjustment
- Double disc fertilizer coulter

“Vario” spacing
Save money and time choosing a vario spacing planter. The easy row spacing adjustment allows to plant different crops with the same planter.
The gearbox with two levers is extremely user friendly. No need to change chain position and/or sprocket wheels.
RUGGED FRAME SIMPLY HEAVY DUTY.

ROMINA

- Heavy Duty squared toolbar double frame
- Contact drive transmission and levers gearbox (32 gear ratio)
- Ferty system - fertilizer auger distributor
- Two point pivot hitch

Trailer rigid frame

Great maneuverability thanks to the 2 point-pivot hitch and hydraulic lifting wheels. The drawbar can be folded drastically reducing storage space needed, and allowing easy transportation between fields.
Thanks to the open coil auger distributor, fertilizer delivery is extremely accurate even with inconsistent size of fertilizer grains.
The hydraulic folding frame reduces to 10 ft the transport width. The folding operation takes a few seconds and makes easy and safe move the planter from one field to another.
Match two fix 8 rows at 28” or 12 rows at 18” spacing and increase the productivity. The big hopper capacity for fertilizer and seed allows you to plant with high working range. The two sections are independent and can float during operations. Reduce the transport width folding forward the two sections.
Perfect to follow ground contours

Extended application

The tool bar can be match with two 20 ft seed drills MEGA for the seeding of cereals and grass. The three point connection guarantees a quick and easy switch.
MAXIMETRO

WIDE AND FLEXIBLE

MAXIMETRO

The MAXIMETRO model was developed to guarantee maximum capacity and working speed. It is surprisingly efficient, able to plant thousands of hectares within a short period of time, offering all the economical and organizational benefits associated with the use of a single machine. The sturdiness of the frame and variety of configurations make this planter adaptable to all kinds of working conditions. The pneumatic seed distribution system guarantees extremely uniform delivery, even sowing seeds with uneven shape and size.

Tool Bar

Each side wing toolbar offers an 8 degrees upward or downward inclination giving an overall 16 degrees run. Thanks to this frame design, the planter can follow ground contours maintaining accurate seeding depth all across its working width. Frame adaptability goes together with an easy and quick folding in transport.
MÜLLER ISOBUS technology comes as standard on CORONA and permits one to save costs, to reduce set-up time and to simplify operation. It is a prerequisite for functional documentation of work and for precision farming.

MCE 6000/12000 (only metric)
6000 up to 6 rows 12000 up to 12 rows
- Seed control by row with alarm
- Planting density (number of seeds per sqm)
- Partial and total working area (ha)
- Seeding distance (cm) all rows medium or each single row
- Pre setted for row shut-off device
- Speed sensor
V1200

- Seed control by row with alarm
- Hectare counter

SERIO

- Seed control by row with alarm
- Partial and total working area (ac)
- Working speed (mph)
- Seeding distance (cm) all rows medium or each single row
- Planting density (n° of seeds per sqf)
- Cabling simplified by the serial connection of sensors
- SD memory card for working data storing
- Backlight graphic display 5.7”
- Selectable multi-language menu