

GASPARDO

MTR



VACUUM PLANTERS

MTR planting unit, the ultimate solution to plant in every soil and season conditions

MTR VACUUM PLANTERS RANGE

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.



MOUNTED

FIX FRAME



MODEL	ROWS	SPACING
MTR	4-6-8-12	45 ÷ 90
MARINA	6 - 8	75 ÷ 90

TELESCOPIC



MODEL	ROWS	SPACING
MARTA	6 - 7*	75 - 50*
MTE	6 - 7*	75 - 60*

FOLDING FRAME



MODEL	ROWS	SPACING
MANTA	8 - 12*	75 - 45*
MANTA XL	12	75
MIRKA	8	75

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TRAILED

VARIO SPACING



MODEL	ROWS	SPACING
MONICA	6 - 7	45 ÷ 75
MAGICA	6-7-8-9	45 ÷ 80
MAGA	6 - 8	45 ÷ 80

FIX FRAME



MODEL	ROWS	SPACING
ROMINA	6 - 8	75 ÷ 90

FOLDING FRAME



MODEL	ROWS	SPACING
MARISA	8	75
METRO	16 - 18	70 - 75
	24	45 - 50
MAXIMETRO	24	70 - 75

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.



1989
DIRETTA

First no-till seed drill

1983
NO-TILL

Combinated strip rotary tiller and planter

1975
SP510

Vacuum precision planter

1970
LEONARD

First no-till mechanical planter

1931
G23

Mechanical planter horse driven

1980
520

Vacuum precision planter and MINIMAX patented distributor system

1972
P 730

First vacuum planter

1958
FRIULI

Mechanical planter

1834

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

RUGGED FOR ROUGH!



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

The adjustable spring allows to set the down-pressure compared to the soil condition. Adjust it to set the proper down-force from 115 kg up to 140 kg.



Large double disc

The large disc 420 mm of diameter, 4 mm thick guarantees long lasting performance, extended operating life recovering discs edge wearing removing shim washers on hub assembling.

No maintenance

Self lubricant bushings

Match soil condition

The adjustable spring allows to manage the down pressure

Free of maintenance

The shaft is dust proof and lasting long

Fine adjustments

Front blade and clod pusher can be independent adjusted

Perfect seed to soil contact

The coulter creates a very narrow "V" furrow

Perfect closing action

Set the wheels staggered or spaced to better close the furrow

High working range

60 l hopper capacity

Accuracy

Prevent doubles with the fine adjustment of the doubles eliminator

Versatile

Replacing the seeding plate is quick and easy

Fine depth control

Continuous adjustment from 1 to 12 cm

Even seed placement

Walking gauge wheels

Easy and quick control

Set the down pressure with the handle with 7 positions



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*)

A single adjustment of the air compressor manage the down-pressure setting on every row.

* Only for **ROMINA**, **MARINA** and **MARISA**

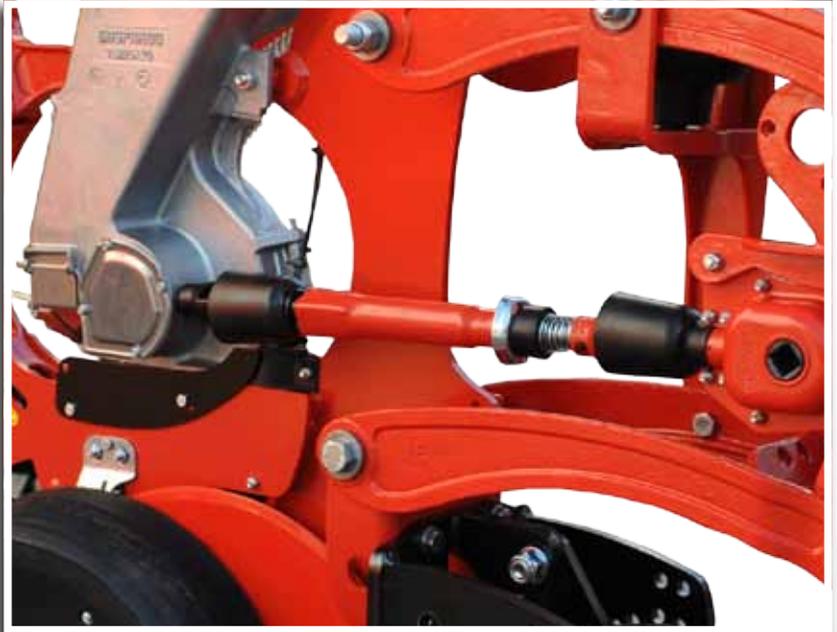


LONG LASTING PERFORMANCE WITH LOW MAINTENANCE!

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 oversi-
zed and guarantees a great reliability
in the most demanding working condi-
tions. Long life is guaranteed by triple
seal protection, hub is dust proof ideal
to work in wet conditions as well.



PLANTING CONSISTENCY

DEPTH CONTROL

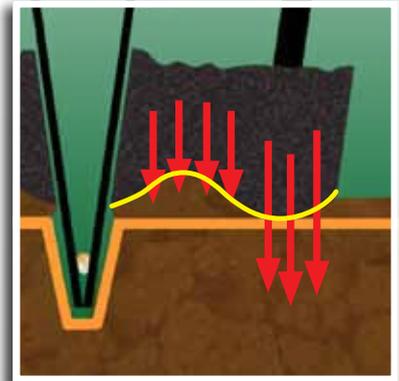
Set planting depth from 1 up to 12 cm thanks to the two wide gauge wheels with equalizing system to control seeding depth by counteracting left and right wheels. Even seeding depth control is guaranteed in rough soil conditions.





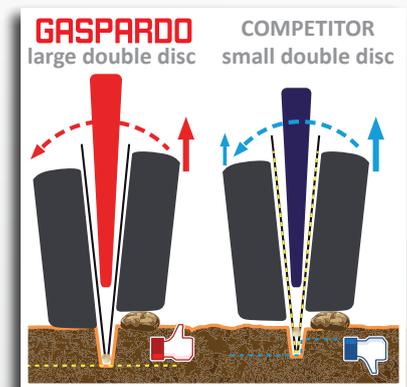
Gauge Wheels

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: 8 cm 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.



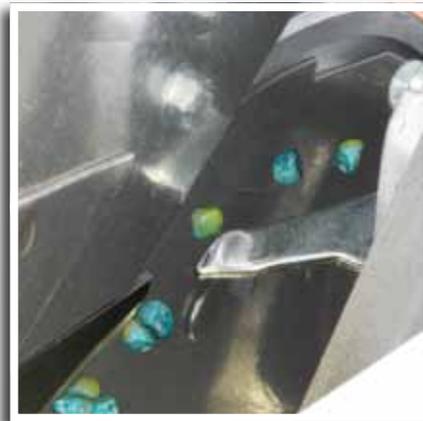
ACCURACY AND EXPERIENCE

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 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 10 to 0 km/h in less than 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



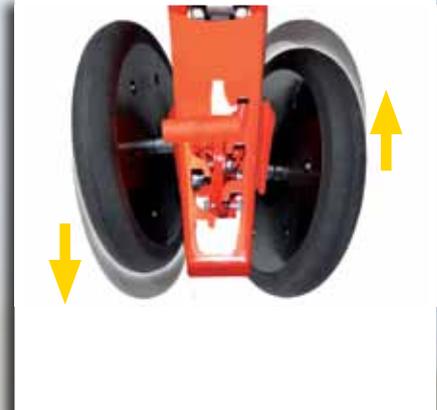
Closing Wheels

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.



NUTRIENTS ARE AVAILABLE

LOCALIZED FERTILIZER: NO WASTE!

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 100 up to 550 kg/ha 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 Coultter

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 - MARINA

RIGID FRAMES, ROBUST AND RELIABLE.

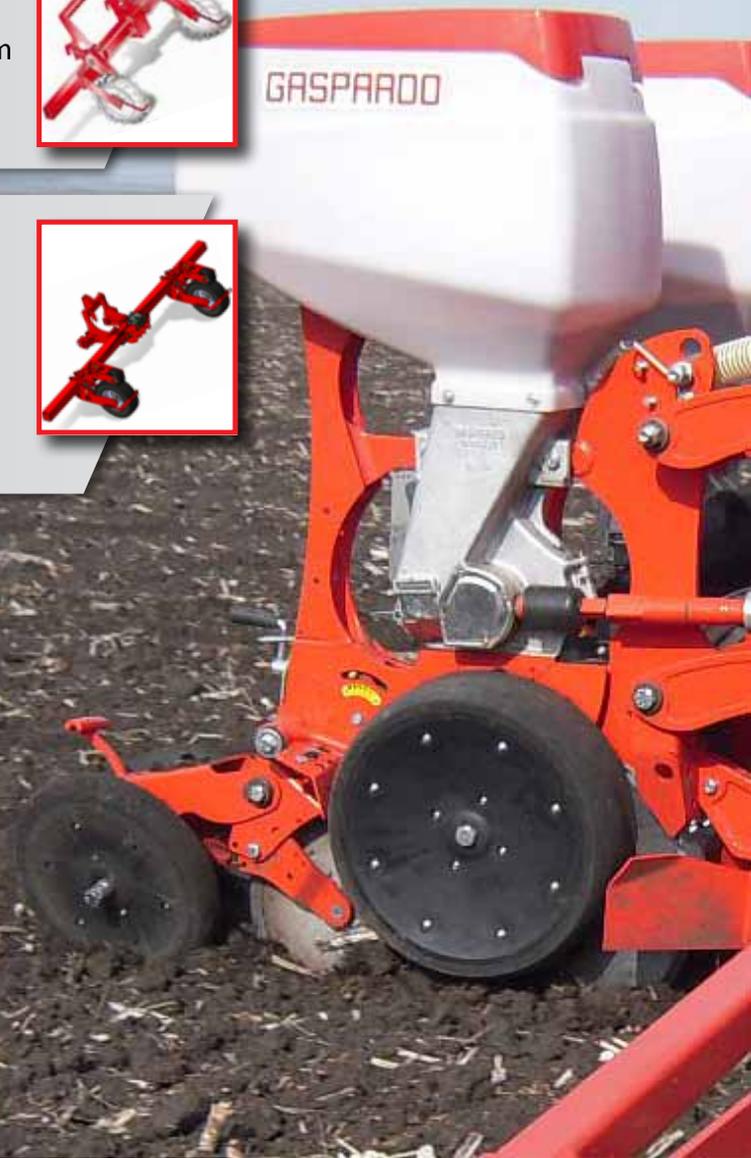
MTR

- Narrow frame to be close to the tractor
- Narrow transmission system allows to set spacing from 90 cm down to 45 cm.



MARINA

- Heavy Duty squared toolbar, double frame
- Contact drive transmission and levers gearbox (32 gear ratio)
- Fert 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.

MARINA



MTR



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 - MTE

RIGID AND RUGGED WHILE WORKING, NARROW AND SAFE ON TRANSPORT

MARTA

- Narrow transport width 2.55 m or 3 m
- Front wheels, perfect on stony conditions
- Stainless steel hopper 850 l or BB hopper 1000 l



MTE

- Narrow transport width 3 m or 3.2 m
- Rear big diameter transmission wheels
- BB hopper 1000 l

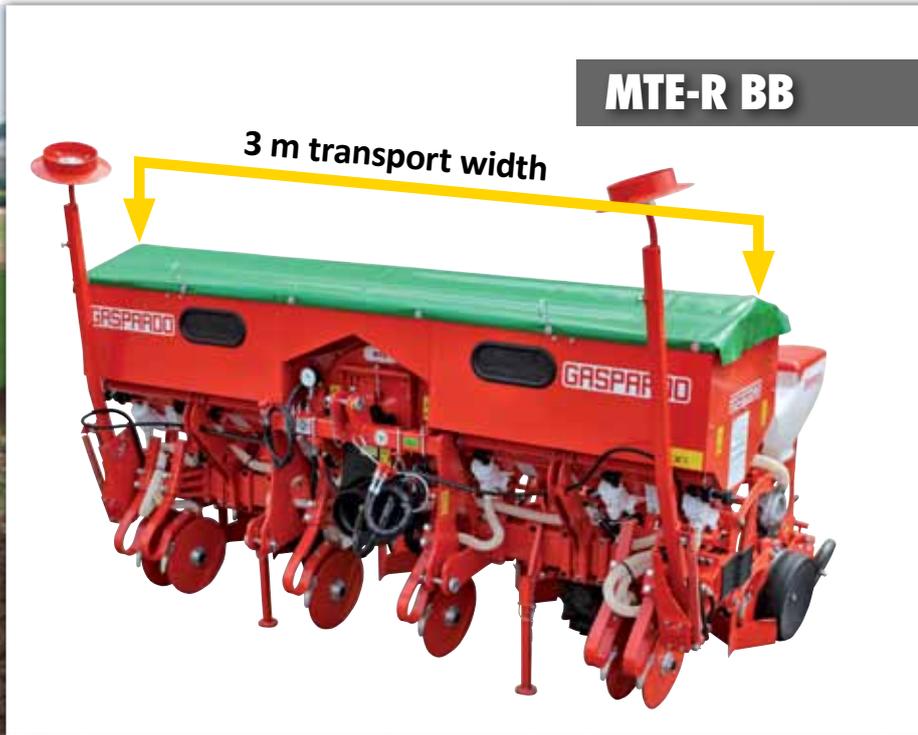


All-in-One

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

3 m transport width



MANTA - MANTA XL - MIRKA

THE FOLDING FRAME FOLLOWS EVERY COUNTOUR

MANTA

- Front or rear transmission wheels
- Wings up system to easier maneuvers
- Suffolk or double disc fertilizer coulters
- Transport width available 2.55 and 3.00 m



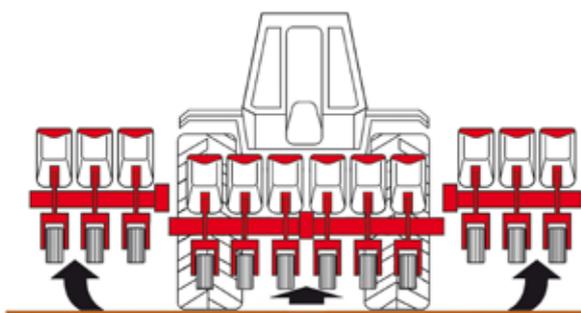
MANTA XL

- Telescopic wings to reduce transport width to 3.30 m
- Rear transmission
- Wings up system to easier maneuvers



MIRKA

- Big hopper capacity 1400 l
- Rear extra-large transmission wheels
- Pneumatic fertilizer delivery on side rows
- Speedy set fertilizer adjustment
- Double disc fertilizer coulters
- Hydraulic locking hooks device for a safe transport
- Wings up system to easier maneuvers



Wings Up

WINGS UP™ is the system that simplifies steering manoeuvres thanks to automatic hydraulic lifting of side wings allowing steering on sloped terrains.

MANTA





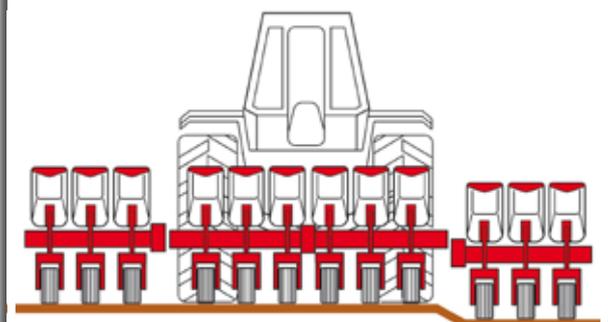
MIRKA



MANTA

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 geraboxes 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 2.50 m
- Stainless steel 850 l hopper
- Lever gearbox with 32 gears ratio
- Pneumatic fertilizer delivery on side rows
- Speedy set fertilizer adjustment



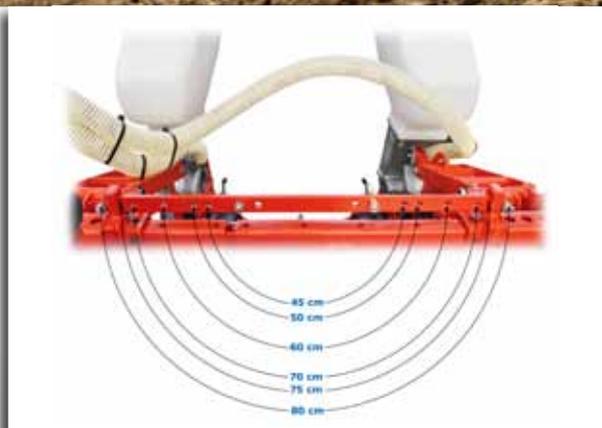
MAGICA

- Telescopic frame with transport 3.00 and 3.20 m
- Stainless steel 900 l 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 coultter



MAGA

- Telescopic frame with transport 3.00 and 3.20 m
- Stainless steel 900 l 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 coultter



“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.

MONICA



Gearbox

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



ROMINA

RUGGED FRAME SIMPLY HEAVY DUTY.

ROMINA

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



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 needed, and allowing easy transportation between fields.





ROMINA



Ferty system

Fertilizer auger distributor

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



MARISA

RIGID AND RUGGED WHILE WORKING, SAFE AND EASY TO TRANSPORT

MARISA

The Heavy Duty frame of MARISA is perfect to plant in every soil condition. Contact wheel drive and lever gearbox are features that make the operations easy and safe.

The Big Hopper for fertilizer 1600 l has pneumatic delivery for side rows and the speedy set adjustment makes the calibration quick and easy.



Easy to transport

The hydraulic folding frame reduces to 3 m the transport width. The folding operation takes a few second and makes easy and safe move the planter from one field to on other.

MARISA



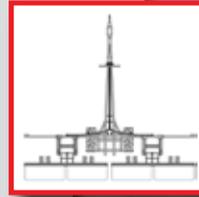
TWO IS BETTER THAN ONE

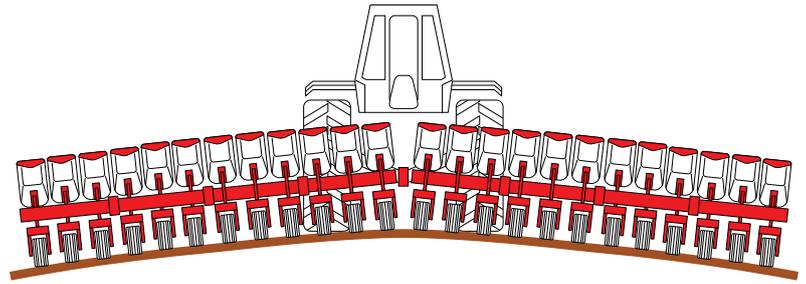
METRO

Match two fix 8 rows at 70 cm or 12 rows at 45 cm 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

METRO



Extended application

The tool bar can be match with two 6 m 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.

MAXIMETRO



MONITOR

UNDER CONTROL

MULLER

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 pre-requisite for functional documentation of work and for precision farming.



MCE 6000/12000

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

V1200 up to 12 rows

- Seed control by row with alarm
- Hectare counter

SERIO

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



GASPARDO



MASCHIO GASPARDO

the winning team

09-13 Cod. W19580135R - Dipartimento Marketing Maschio Gaspardo

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

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