

CONTROL BOXES (RDS)



Simple TSH Monitor

Partial and total of drilled area (ha): the control box records two separate area or distance of travel readings, the partial can be the field or day and the total could equal to the total drilled in that particular season.

Tramlining: controls required tramline rhythm.

Pre-emergence Tramline Row Markers: If the drill is fitted with pre-emergence markers the control box will activate them automatically at the start of the tramline run.

Working speed: The readout of the current working/travelling speed is given on the control box.



Monitor Multicontrol

Same control box seeding features as all listed above with additional functions below.

Seed rate adjustable from cab: This can be simply adjusted with the (+/-) buttons on the control box in stages, allowing the operator to increase or decrease the rate on the move from inside the tractor cab.

Seeding Alarm: The metering mechanism is monitored by the control box to alert the user of any blockages.

Automatic Tramlining: A bypass system diverts seed from two (std) coulters tubes on each side of the drill back to the tank to create tramlines.



Genius Lite

Same control box seeding features as all listed above with additional functions below.

Easy and fast calibration: The preset calibration program provides a very simple and quick step by step method of setting the desired rate.

Pre-Start and Pre-Stop functions: Allows the drill to be primed before it is engaged into the soil at the start of every run and the Pre-stop function prevents the loss of expensive seed at the headlands.



Genius

Same control box seeding features as all listed above with additional functions below.

The GENIUS Control box sets new standards for drill controls, packed full of features and a very user friendly system at the same time.

Integrated SD card reader: Allows basic data logging to produce field records. Prints in text or csv format for uploading directly into a spreadsheet or yield map proprietary software packages.

Optional GPS interface for Precision Farming: Connect the GENIUS system to a GPS device and loading a pre-defined seeding plan via SD card for automated variable seed rate application.

Printer option: Useful for contractors to produce field records. **Fan speed readout. Hopper level alarm.**

DEALER

MASCHIO

distributed by 

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MASCHIO SEED DRILLS

Give you more



Solo Drills and Power Harrow Combination Drills

MASCHIO

distributed by 





MASCHIO SEED DRILLS ...give you more

Maschio have been producing seed drills since 1991 and whilst they have not been available in the UK the range includes models to suit most applications with many clever features that set them apart from others. The range includes gravity fed or pneumatic machines to provide drilling solutions for Combination and Solo drilling with a variety of coulters options to suit minimum tillage and plough based cultivation systems.

The Dama gravity fed drill is designed to be coupled with a power harrow to provide a simple economic combination drill. The Aliante Plus is the entry level combination air drill whilst the Alitalia provides a power harrow drill for

the professional user and Centauro gives the option of front tank, rear power harrow and coulters bar. The key advantage that all these combination drills have is that they are designed and built by one company, hence they complement each other in work.

The Primavera is a high speed Solo drill primarily for minimum tillage systems, it's tine coulters set in 4 staggered rows enables it to be used in extremely high levels of crop residue and provide a very low cost drilling solution.

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SEED DRILL FEATURES

MASCHIO

METERING SYSTEM

Maschio's Patented Flexeed "cartridge type" metering system is utilised on all their air drills, a choice of up to 7 types of metering rollers allowing it to cope with all different sizes of seed and a wide range of different seed rates. The graduated fluted rollers ensure accuracy and consistency of metering while the simplistic design allows easy calibration and incorporates features such as the hopper isolation allowing the operator to change metering rollers whilst the hopper is full.



1 Construction The metering unit is constructed from cast aluminium, stainless steel and polyethylene components to prevent rust and corrosion.

2 Metering Rollers Whether seeding OSR or Beans, the FLEXEED metering system will have a roller to suit your seed type.

3 Seed Flutes Ensure all seed leaves the metering roller evenly.

4 Seed Feelers Spring loaded feeler clips enhance seedrate precision by controlling the amount of seed in each flute, the feeler clips also prevent damage to delicate or fleshy seed types.



5 Cleaning Clips Prevent oily seeds from getting stuck in the fluted segments.



6 Disengaging Segments The F25-125 metering roller segments can be disengaged to lower the seedrate further.

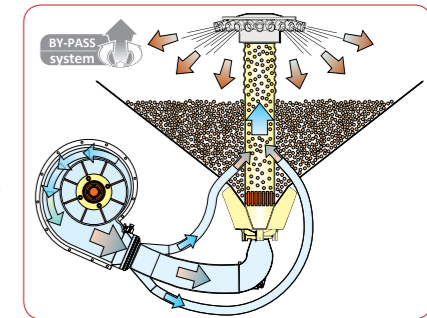
7 Inlet Shut-Off Sliding Plate

8 Easy Un-Loading

9 Agitator Disengagement

AIR BYPASS SYSTEM

The Air BY-PASS System fitted to the Primavera Drill enhances the effectiveness of the air flow resulting in a 25% increase in consistency of the amount of seed that is delivered to each outlet even when working with high rates on sloping ground.



BUILD AND FINISH

Maschio's attention to detail in production and extremely modern production facilities ensure that products are built and tested to the highest standards both in terms of robustness to do the job and finish to stand the test of time.



EASE OF CALIBRATION/SET-UP

Easy Calibration

The seedrate on mechanical drive machines is controlled by a triple cam stepless gearbox which ensures the seed metering shaft turns consistently at the designated speed. A simple winding handle and trays ensure easy calibration. Furthermore the optional Genius and Genius Lite electronic metering systems allow calibration at the press of a button.



COULTER OPTIONS

Suffolk Coulters

The Suffolk Coulters are suitable for cultivated soil with very little or no crop residues. Two or three rows of coulters assist with the flow of soil and residues through the drill fitted with hard wearing replaceable coulters tips.



Disc Coulters - 35kg Pressure

The Boron steel disc works very well in cultivated, hard compacted soils and heavy crop residues. Dual Tungsten scrapers prevent soil build up. Additional depth control is provided by the adjustable skid and an optional rubber depth wheel that improves seed to soil contact is available.



Tine Coulters - 35kg Pressure

Coulters for coarse, compact and/or stony soils. The adjustable load spring adapts to the different field conditions by optimising the pressure on each individual coulters. 4 rows, staggered for excellent trash clearance.



Perfecta Coulters - 55kg Pressure

Suited for use in min-till systems and recommended in high crop residues. The Perfecta utilises a double disc and depth wheel allowing the coulters to work deeper and still maintain precise seed placement.



DAMA

120-250 hp

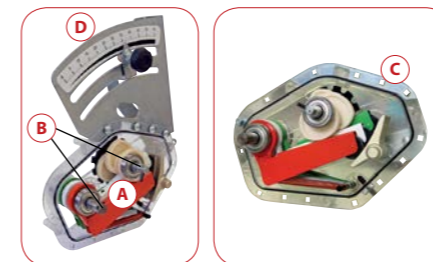
The DAMA Box Drill is available in 3m and 4m working widths. The QUICK-MATCH system allows fast and easy hook-up to a large range of the Maschio Power Harrows.

The drill is mounted to the rear roller on the power harrow which ensures it follows the contours of the ground and places the seed at a constant depth even on very undulating land.

The Maschio DAMA Box Drill utilises a simple gravity feed and forward speed related metering system to accurately deliver seed to a variety of coulters configurations. Coupled with a 3m or 4m DM Rapido power harrow the DAMA provides a combination drilling solution for tractors from 120 to 200Hp.



Transmission As with any drill one of the most important aspects is seed rate consistency and control. The metering is land wheel driven on the DAMA and (A) a triple cam stepless gearbox is used to transmit drive to the seed rollers. (D) A simple slide and marker make it easy for the operator to set and adjust the seedrate. (B,C) Reliability of the gearbox is ensured as the cams and bearings inside are submerged in oil, preventing wear.



Roller Mounted As the whole drill is carried by the roller the coulter depth can be set in relation to the rear roller which follows the ground contours. In this way the coulters stay at a consistent depth ensuring accurate seed placement which in turn gives even plant emergence.



Large Hopper All DAMA Box Seed Drills boast large hopper capacities as standard. 3m = 500L hopper capacity, optional 280L hopper extension. 4m = 650L hopper capacity, optional 400L hopper extension. Both the 3m and 4m come as standard with a mechanical seed level gauge, an electronic seed level sensor is available as an option. The loading foot board and step ensures safe access for the operation.



Balanced Weight When looking at the design and structure on the DAMA Box Drill there is clearly more than meets the eye. Maschio's drill design department have optimised the ratio between the weight and structural integrity, making the DAMA an extremely strong drill. The centre of gravity is very close to the tractor in order to reduce stress on the rear linkage, this also allows the DAMA to be suitable for medium size tractors from 120hp and improves fuel consumption.



Control Box (RDS) - Simple TSH Monitor

The TSH Monitor features:

- Partial and total of drilled area (ha) • Tramlining
- Pre-emergence activation • Working speed readout



Control Box (RDS) - Genius Lite

In addition to the above, the Genius Lite features:

- Seeding Alarm • Easy and fast calibration • Pre-Start and Pre-Stop functions • Seed rate adjustable from cab (see back cover for details)

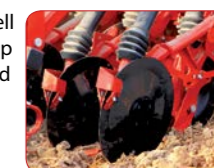


Coulters

Suffolk Coulters - The Suffolk Coulters are suitable for cultivated soil with very little or no crop residues. Two or three rows of coulters assist with the flow of soil and residues through the drill fitted with hard wearing replaceable coulters tips. 35kg pressure per coulters.

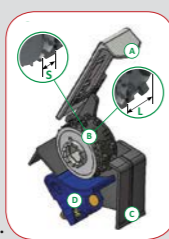


Disc Coulters - The Boron steel disc works very well in cultivated, hard compacted soils and heavy crop residues. Dual Tungsten scrapers prevent soil build up. Additional depth control is provided by the adjustable skid and an optional rubber depth wheel that improves seed to soil contact is available. 35kg pressure per coulters.



SEED METERING SYSTEM

Seed Distribution The DAMA utilises a tried and tested multi-stage peg wheel metering system that guarantees constant precision and reliability. A) The regulator slide on the diagram has three positions for different size seed types, normal seeds, small seeds and a shut-off position. B) The Mutli-staged peg metering roller has two sections, one for large and one for small seed types, one or the other can be easily disengaged depending on what size seed is to be used. C) Corrosion proof distributor body. D) Spring feeler - Whether you are using large seeds or small delicate seed the spring feelers ensure all are handled gently and prevent the seed from damage during the metering process.



Calibration Tray Two trays make the calibration process quick and easy



Half Side Shut-Off The half side shut-off can be simply engaged to stop half of the drill from seeding, this is done with a locking device that you push, turn and slide back to disengage one side.



Half Side Shut-Off OFF

Half Side Shut-Off ON

Agitator Disengagement The agitator can be disengaged by removing the pin on the agitator pulley, to prevent seed damage when drilling fine seeds at low seedrates.



One Matches All The DAMA is compatible with most of the rigid power harrow range, these include the DRAGO DC, DRAGO DC Rapido Plus, DOMINATOR DM Rapido Plus and the ORSO Rapido Plus. Compatible Rollers (Packer Roller 500-600 mm, Combi Packer 500mm, Rubber Roller 600 mm) see more information in the Roller section. Please check with OPICO if you plan to use a DAMA Drill with your existing Maschio Power Harrow as some older models may not be compatible.

Quick Match The QUICK-MATCH system allows quick and easy attachment of the Maschio Power Harrow to the DAMA drill using a 3 point linkage, the drill and power harrow combination can be detached by one operator in approximately 1 - 2 minutes, quickly and safely to use the harrow alone.



DAMA COMBINATION SEED DRILL SPECIFICATIONS

Models	HP*	Working width (m)	Total width (m)	No. of Coulters	Row Distance (cm)	Hopper Capacity L (Extension)	Coulter	Weight kg
3000	120-250*	3.0	3.05	24	12.5	500 (280)	Suffolk	770
4000	160-250*	4.0	4.05	32	12.5	650 (400)	Suffolk	1376
3000	120-250*	3.0	3.05	24	12.5	500 (280)	Disc	890
4000	160-250*	4.0	4.05	32	12.5	650 (400)	Disc	1568

*MIN & MAX HP depends on which power harrow combination is used.

ALITALIA

140-250 hp

The New ALITALIA pneumatic seed drill is available in 3m and 4m working widths, it utilises Maschio's own "FLEXEED" metering system to accurately deliver seed to a variety of coulters configurations.

The QUICK-MATCH system allows fast and easy hook-up to a large range of the Maschio Power Harrows. The drill is mounted on to the rear roller of the power harrow which ensures the drill follows the contours of the ground and places the seed at a constant depth even on very undulating land. The power harrow is free from additional weight allowing it to work better in hard and stony conditions.

Coupled with the DRAGO DC/DOMINATOR DM/ORSO Rapido power harrows the ALITALIA provides a combination drilling solution for tractors from 140 to 250Hp



Balanced Weight When looking at the design and structure on the ALITALIA Seed Drill there is clearly more than meets the eye. Maschio's drill design department have optimised the ratio between the weight and structural integrity, making the ALITALIA an extremely strong drill. The centre of gravity is very close to the tractor in order to reduce stress on the rear linkage, this also allows the ALITALIA to be suitable for medium size tractors from 140hp and improves fuel consumption.



Large Hopper The Alitalia boasts a large hopper capacity with 1500L as standard with an optional 500L extension taking the possible hopper size to 2000L in total.



Roller Mounted As the whole drill is carried by the roller the coulter depth can be set in relation to the rear roller which follows the ground contours. In this way the coulters stay at a consistent depth ensuring accurate seed placement which in turn gives even plant emergence.



Easy Calibration The ALITALIA Seed Drill is controlled by the GENIUS Lite control box, it's fully electronic and allows the operator to complete the calibration process quickly and easily by simply setting the tray in its position, lowering the distributor, opening the calibration gate and then pushing the start button. Then the collected seed can be weighed and the value on the scales entered into the control box using the keyboard, and the required seedrate can then be set. High precision regardless of calibration setting.



Control Box (RDS) - Genius Lite

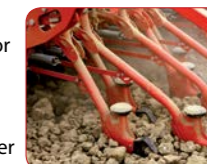
The Genius Lite features:

- Seeding Alarm • Easy and fast calibration • Partial and total of drilled area (ha) • Working speed • Pre-Start and Pre-Stop functions • Seed rate adjustable from cab • Tramlining
- Pre-emergence Marker Activation • GPS forward speed metering

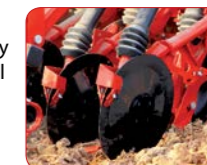


Coulters

Suffolk Coulter - The Suffolk Coulter is suitable for cultivated soil with very little or no crop residues. Three rows of coulters assist with the flow of soil and residues through the drill fitted with hard wearing replaceable coulter tips. 35kg pressure per coulter.



Disc Coulter - The Boron steel disc works very well in cultivated, hard compacted soils and heavy crop residues. Dual Tungsten scrapers prevent soil build up. Additional depth control is provided by the adjustable skid and an optional rubber depth wheel that improves seed to soil contact is available. 35kg pressure per coulter.



Perfecta Coulters

Suited for use in min-till systems and recommended in high crop residues. The Perfecta utilises a double disc and depth wheel allowing the coulter to work deeper and still maintain precise seed placement. 55kg pressure per coulter.



SEED METERING SYSTEM

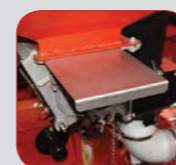
Flexeed System Designed and patented by Maschio the FLEXEED seed metering unit is as flexible as any metering unit can be, with up to 7 metering roller options suitable for every kind of seed and seedrate. The unit can distribute a large variety of seed sizes with ease, and is capable of achieving very high seedrates.



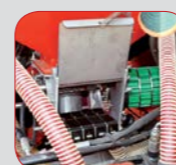
Electronic driven transmission The ALITALIA boasts a fully electronic metering system driven by an electric motor and controlled by the GENIUS control box from inside the tractor cab. Seedrate can be adjusted on the move and with the optional GPS interface the system can be run from a pre-programmed for precision farming.



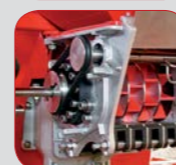
Inlet Shut-Off Sliding Plate A sliding plate enables the operator to completely shut-off all seed to the metering unit, allowing maintenance or metering roller changes whilst the hopper is still full.



Easy Un-Loading Un-loading couldn't be easier, un-lock and open the access panel to the metering unit and remove the metering roller, then you can control the speed of the seed flow by moving the "shut-off sliding plate".



Agitator Disengagement The agitator can easily be disengaged, when seeding with delicate or fleshy seed types by removing the rubber belt.



One Matches All The ALITALIA Drill models are compatible with most of the rigid power harrows in Maschio's range, these include the DRAGO DC, DRAGO DC Rapido Plus, DOMINATOR DM Rapido Plus and the ORSO Rapido Plus. Compatible Rollers (Packer Roller 500-600 mm, Combi Packer 500mm, Rubber Roller 600 mm, Flanged 500mm) see more information in the Roller section. Please check with OPICO if you plan to use an Alitalia Seed Drill with your existing Maschio Power Harrow as some older models may not be compatible.



Quick Match The QUICK-MATCH system allows quick and easy attachment of the Maschio Power Harrow to the seed drill using a 3 point linkage, the drill and power harrow combination can be detached by one operator in approximately 1 - 2 minutes, quickly and safely to use the harrow alone.



ALITALIA COMBINATION SEED DRILL SPECIFICATIONS

Models	HP*	Working width (m)	Total width (m)	No. of Coulters	Row Distance (cm)	Hopper Capacity L (Extension)	Coulter	Weight kg
3000	130-250*	3.0	3.05	24	12.5	1500 (500)	Suffolk	1110
4000	160-250*	4.0	4.05	32	12.5	1500 (500)	Suffolk	1210
3000	130-250*	3.0	3.05	24	12.5	1500 (500)	Disc	1330
4000	160-250*	4.0	4.05	32	12.5	1500 (500)	Disc	1370

*MIN & MAX HP depends on which power harrow combination is used.

ALITALIA PERFECTA

130-250 hp

The PERFECTA Disc Coulter is designed to fit the ALITALIA combination seed drill and is suited for use in low tilled, min-till systems and is recommended in high crop residues. The design and mounting of the PERFECTA Disc utilises a double disc and depth wheel allowing the coulter to work deeper and ensuring precise seed placement.

Each PERFECTA Disc is mounted on parallelograms to allow excellent contour following and the discs are also larger, so in wet, cloddy and very trashy conditions will work better than a single disc system.



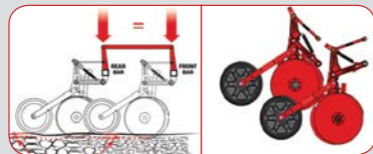
Rear Depth Control - The rear depth control wheel sets the seeding depth and improves consolidation hence seed to soil contact. Smooth flexing wheels prevent soil build up (330mm x 65mm)



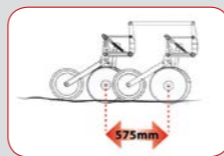
Working Depth - The working depth is from 0cm up to 8cm, with the working depth adjustment system independent from the down pressure adjustment.



Parallel Mounting - The parallelogram mounting of the coulters maintain constant pressure at an even depth on very uneven seedbeds. Each coulter is mounted on to a parallelogram and the parallelograms are mounted onto coulter bars. These are two coulter bars one front and one back, giving excellent stagger and even pressure on both front and back rows. Superb contour following with 14cm vertical stroke.

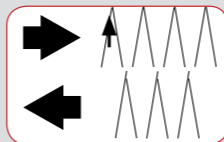


Inter-row Clearance - Two separate coulter bars and equal length parallelograms have excellent inter-row clearance allowing the free flow of trash preventing the coulters blocking up.



Constant Coulter Pressure - Deeper seed placement with hydraulic pressure adjustment from inside the tractor cab.

Large Double Discs - The Integrated scraper, heavy duty SUPER SEAL hubs and Ø370mm double discs are staggered from front to rear to balance the sideward force of the discs, and prevent side drift of the machine.



Number of Coulters - 20 coulters on a 3m and 28 coulters on a 4m machine.

Super Seal Bearings - Long life and greased for life.

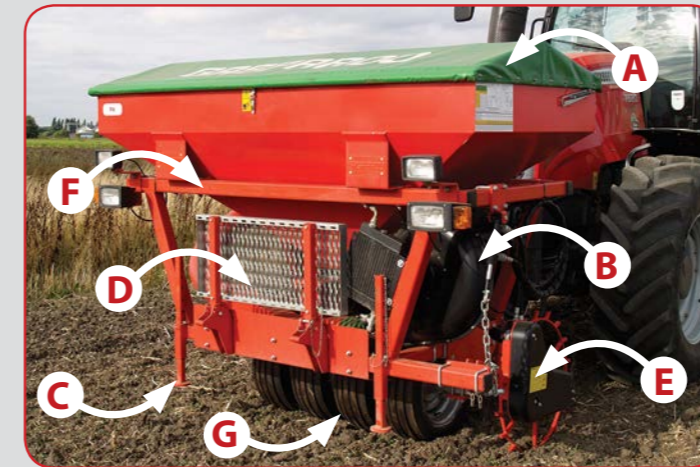
GRAIN & FERTILISER DRILL

140-250 hp

The New Grain and Fertiliser pneumatic seed drill is available in 3m working width, it utilises Maschio's own Alitalia combination seed drill with Perfecta disc coulter system.

The QUICK-MATCH system allows fast and easy hook-up to a large range of the Maschio Power Harrows. The drill is mounted on to the rear roller of the power harrow which ensures the drill follows the contours of the ground and places the seed at a constant depth even on very undulating land. The power harrow is free from additional weight allowing it to work better in hard and stony conditions.

Coupled with the ORSO Rapido power harrows the ALITALIA provides a combination drilling solution for tractors from 140 to 250Hp



D The loading platform comes as standard, the step is attached to the front hopper and folds up neatly away when working or during transport.

E The forward speed reading is taken from a land-wheel on the mechanically driven machine and by either a radar or optional GPS unit on the electronic model.

F The hopper and chassis are built to withstand the rigors of high speed fertilising in hard ground. It comes as standard with CAT II three point linkage mounts.

G Four press wheels ensure even consolidation across the full width of the tractor.

H The mechanical drive model utilises the triple cam step-less gearbox. A simple slide and marker make it easy for the operator to set and adjust rate.

Electronically driven transmission boasts a fully electronic metering system driven by an electric motor and controlled by the GENIUS control box. The fertilising rate can be adjusted on the move and with the optional GPS interface the system can be run from a pre-programmed plan for precision farming.

A The front tank comes with a high capacity 1260L hopper and features a level check window, low level alarm and hopper light.

B It is fitted with a hydraulic fan complete with 3-way regulator, with a 1/2" pressure supply, 3/4" free flow return.

C Adjustable parking stands enable the unit to be picked up and detached from the tractor safely and with ease.



CENTAURO

180-380 hp

The Maschio CENTAURO Pneumatic drilling system utilises Maschio's own "FLECEED" metering system to accurately deliver seed from a front hopper to a rear folding power harrow mounted coulters with a variety configurations.

The QUICK-HITCH system allows fast and easy hook-up to Maschio Power Harrows. The coulters bar is mounted on to the rear roller on the power harrow which ensures the drill follows the contours of the ground and places the seed at a constant depth even on very undulating land.

With the possibility of being coupled with the AQUILA or TORO power harrow the CENTAURO provides a drilling solution designed for the larger farmer or contractor which is suitable for tractors from 180 to 380Hp.



SEED METERING SYSTEM

Flexeed System Designed and patented by Maschio the FLECEED seed metering unit is as flexible as any metering unit can be, with up to 7 metering roller options suitable for every kind of seed and seedrate. The unit can distribute a large variety of seed sizes with ease, and is capable of achieving very high seedrates.



7 Metering Rollers Whether seeding OSR or Beans, the FLECEED metering system will have a roller to suit your seed type. 3 rollers come as standard, the yellow F25-125 roller for small quantities and specifically small seeds, the green N500 roller for medium quantities (max 200 kg/Ha) and the red G1000 standard for high quantities (up to 400 kg/Ha).

Electronic driven transmission The CENTAURO boasts a fully electronic metering system driven by an electric motor and controlled by the GENIUS control box from inside the tractor cab. Seedrate can be adjusted on the move and with the optional GPS interface the system can be run from a pre-programmed for precision farming.

Staggered Seed Flutes The seed flutes are in a staggered or helical arrangement to ensure the seed leaves the metering roller evenly.

Agitator Disengagement The agitator can easily be disengaged, when seeding with delicate or fleshy seed types by removing the rubber belt.



Roller Mounted Concept The QUICK-HITCH uses a parallelogram system to keep the seeding bar perpendicular to the ground. As the whole seeding bar is carried by the roller the coulter depth can be set in relation to the rear roller which follows the ground contours. In this way the coulters stay at a consistent depth ensuring accurate seed placement which in turn gives even plant emergence.



Large Hopper The CENTAURO boasts a large hopper capacity with 1600L as standard. The design of the hopper guarantees an easy filling due to the oversized width of the top. The cover can also be completely folded back to make loading easier. Comes as standard with a low level sensor and inspection window.



Balanced Weight When looking at the design and structure on the CENTAURO Seed Drill there is clearly more than meets the eye. The weight has been distributed across the tractor in order to reduce stress on the rear linkage, this also allows the CENTAURO to be suitable for medium to large size tractors from 280hp and improves fuel consumption.



Loading Platform The loading platform comes as standard, the step is attached to the front hopper, low enough for the operator to climb with ease and folds up neatly away when working or during transport.



Easy Calibration The CENTAURO Seed Drill is controlled by the GENIUS Lite control box, it's fully electronic and allows the operator to complete the calibration process quickly and easily by simply setting the tray in its position, lowering the distributor, opening the calibration gate and then pushing the start button. Then the collected seed can be weighed and the value on the scales entered into the control box using the keyboard, and the required seedrate can then be set. High precision regardless of calibration setting.



Control Box (RDS) - Genius

The GENIUS features

- Easy and fast calibration
- Seed rate adjustable from cab
- Pre-Start and Pre-Stop functions
- Pre-emergence Tramline Row Markers
- Working speed
- The control box records two separate area or distance of travel readings
- Seeding Alarm
- Integrated SD card reader
- Optional GPS interface for Precision Farming
- Printer option
- Radar speed metering as standard



Coulters

Suffolk Coulters - The Suffolk Coulters are suitable for cultivated soil with very little or no crop residues. Three rows of coulters assist with the flow of soil and residues through the drill fitted with hard wearing replaceable coulters tips. 35kg pressure per coulters.



Disc Coulters - The Boron steel disc works very well in cultivated, hard compacted soils and heavy crop residues. Dual Tungsten scrapers prevent soil build up. Additional depth control is provided by the adjustable skid and an optional rubber depth wheel that improves seed to soil contact is available. 35kg pressure per coulters.



One Matches All The CENTAURO Seed Drill models are compatible with the AQUILA Rapido Plus and the TORO Rapido Plus. Compatible Rollers (Packer Roller 500 mm, Combi Packer 500 mm, Rubber Roller 500 mm) see more information in the Roller section. Please check with OPICO if you plan to use a CENTAURO Seed Drill with your existing Maschio Power Harrow as some older models may not be compatible.



CENTAURO COMBINATION SEED DRILL SPECIFICATIONS

Models	HP*	Working width (m)	Transport width (m)	Total width (m)	No. of Coulters	Row Distance (cm)	Hopper Capacity L (Extension)	Coulters	Weight kg
5000	180-380*	5.0	2.5	5.37	40	12.5	1600	Suffolk	4200
6000	180-380*	6.0	2.5	6.37	48	12.5	1600	Suffolk	4590
5000	180-380*	5.0	2.5	5.37	40	12.5	1600	Disc	4350
6000	180-380*	6.0	2.5	6.37	48	12.5	1600	Disc	4750

*MIN & MAX HP depends on which power harrow combination is used.

PRIMAVERA

120-250 hp

The Maschio Primavera Pneumatic drill is an efficient low cost seed drill packed with features to ease everyday use and still keep running cost down to a minimum. It utilises Maschio's own "FLEXEED" cassette type metering system in a cultivator drill format to provide a high speed solution for plough based or minimum tillage systems.



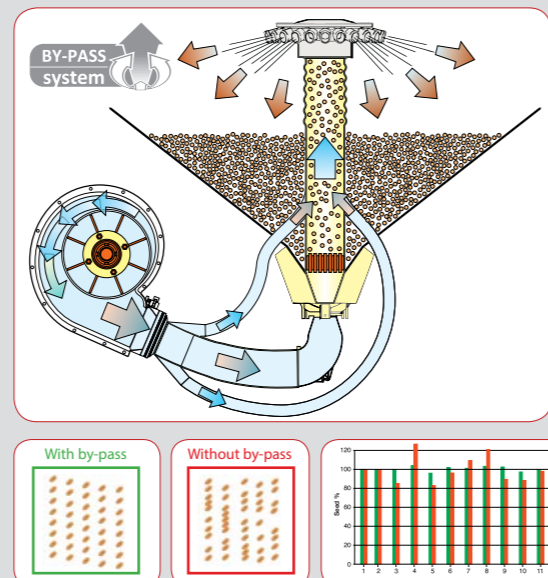
SEED METERING SYSTEM

Flexeed System Designed and patented by Maschio the FLEXEED seed metering unit is as flexible as any metering unit can be, with up to 7 metering roller options suitable for every kind of seed and seedrate. The unit can distribute a large variety of seed sizes with ease, and is capable of achieving very high seedrates.

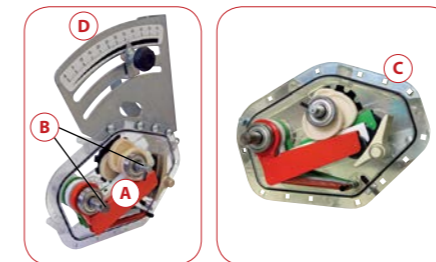


PRIMAVERA SEED DRILL - BYPASS SYSTEM

The Air BY-PASS System enhances the effectiveness and evenness of the air flow resulting in a 25% increase in consistency of the amount of seed that is delivered to each outlet even in when working with high rates on sloping ground.



Transmission As with any drill one of the most important aspects is seed rate consistency and control. The metering is land wheel driven on the PRIMAVERA and (A) a triple cam stepless gearbox is used to transmit drive to the seed rollers. (D) A simple slide and marker makes it easy for the operator to set and adjust the seedrate. (B,C) Reliability of the gearbox is ensured as the cams and bearings inside are submerged in oil, preventing wear.



Easy Calibration The seedrate is controlled by a triple cam stepless gearbox which ensures the seed metering shaft turns consistently at the designated speed. The metering unit is easy to access, which makes calibration a simple task.



Large Hopper The Primavera boasts a large hopper capacity 1500L as standard with an optional 200L extension, taking the maximum hopper size to 1700L in total.



Balanced Weight When looking at the design and structure on the Primavera Seed Drill there is clearly more than meets the eye. Maschio's drill design department have optimised the ratio between the weight and structural integrity, making the Primavera an extremely strong drill. The centre of gravity is very close to the tractor in order to reduce stress on the rear linkage, this also makes the Primavera suitable for medium sized tractors from 120hp and improves fuel consumption.

Loading Platform The loading platform comes as standard, the platform has full safety handrails reachable from the first step to the top of the platform to allow easy and safe access to the hopper.



Following Harrow Dual covering harrows to ensure the seed is covered sufficiently.



High Work Rates At 4m, 5m or 6m working widths and travelling at speeds of 12 - 16kph the PRIMAVERA Seed Drill is more than capable of producing impressive work rates per day.



Low Running Costs The PRIMAVERA Seed Drill has very few wearing parts keeping running costs down to a minimum.



Control Box (RDS) - Multicontrol Monitor

The Multicontrol features:

- Partial and total of drilled area (ha) • Tramlining
- Pre-emergence activation • Working speed readout
- Seeding alarm • Automatic tramlining



Control Box (RDS) - Genius Lite - Optional Upgrade

The Genius Lite features:

- Seeding Alarm • Easy and fast calibration • Partial and total of drilled area (ha) • Working speed • Pre-Start and Pre-Stop functions • Seed rate adjustable from cab • Tramlining • Pre-emergence Marker Activation



Coulters

Tine Coulters - Coulters for coarse, compact and/or stony soils. The adjustable load spring adapts to the different field conditions by optimizing the pressure on each individual coulters.



Tine Coulters

PRIMAVERA SEED DRILL SPECIFICATIONS

Models	HP	Working width (m)	Total width (m)	No. of Coulters	Row Distance (cm)	Hopper Capacity L (Extension)	Weight kg
4000	120-250	4.0	4.05	32	12.5	1700	1850
5000	140-250	5.0	5.05	40	12.5	1700	2000
6000	175-250	6.0	6.05	40	15	1700	2050
6000	175-250	6.0	6.05	48	12.5	1700	2100

Trough Strength

As with any machine the strength of the chassis or in this case trough is critical because it is what all the other components are mounted on and what holds the machine together. Most Maschio Power Harrows are built with an incredibly strong double skinned trough to increase strength and protect the workings from damage.



Gearbox Strength

Like the trough the main gearbox is critically important to the machine, these are made in house by Maschio to ensure consistency, strength and quality control of the key component that transmits power through to the working parts of the machine.



Rotor Design

Maschio's basic rotor design is replicated throughout the range, it features high quality bearing sets at the top and bottom of the rotor shaft to ensure they can cope with the torsional forces applied through the tines in heavy work. The Labyrinth seals protect the workings from dust ingress and the machine from oil leakage whilst the pressed rotor shafts and gears run in the oil filled transmission trough.



Quickfit

MASCHIO Power Harrows use the QUICKFIT tine system which allows the user to replace rotor tines quickly with one turn of the QUICKFIT tool, this minimises downtime and increases safety.



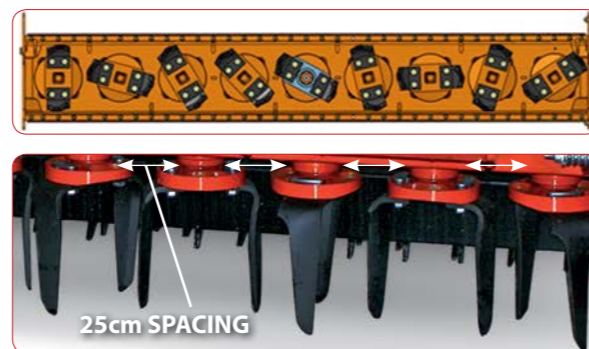
Easy Maintenance

One of the key features designed into every Maschio Power Harrow model is the ease of maintenance, from utilising a simple dip stick combined with breather to check oil levels, to easy access bearings that can be changed without full disassembly of the trough. Maschio Power Harrows also offer "Rapido" QUICKFIT tines ensuring that replacing worn tines is as quick on a Maschio Power Harrow as any other machine on the market.



Timing and Number of Rotors

Maschio Power Harrow rotors are all timed sequentially meaning that there is a gradual utilisation of power by the machine reducing stress on both machine and tractor whilst economising diesel usage in work.



All the features above, however, are overshadowed by the last and most important one which makes the Maschio Power Harrow one of the most popular on the market – the number of rotors. Maschio Harrows have rotors spaced at 25cm as standard, this is a closer spacing than many competitors and something their reputation for high quality work has been built on. More rotors per metre means more tines and more tines means a finer seedbed is prepared in one pass – This is the key reason why once customers have used a Maschio they will not use anything else!

QuickPlus

QUICKPLUS is a bolt on shield system which fits just in front of the rotor as it comes out of the transmission trough, preventing stones and debris colliding with the rotor and gearbox. In turn this helps to push the stones down to the lower cultivated area.



DRAGO DC/DRAGO DC Rapido Plus

Models	HP*	Working width (m)	No. of Tines
2500	80-150	2.5	20
3000	90-150	3.0	24

*Weights are for R models fitted with a 500mm Packer Roller.

Compatible Drills: Dama



DOMINATOR DM Rapido Plus

Models	HP*	Working width (m)	No. of Tines
3000	120-200	3.0	24
4000	140-200	4.0	32

*Weight includes: DOMINATOR 500mm Packer Roller.

Compatible Drills: Dama, Alitalia



ORSO Rapido Plus

Models	HP*	Working width (m)	No. of Tines
3000	120-250	3.0	24
4000	140-250	4.0	32

*Weight includes: ORSO 500mm Packer Roller.

Compatible Drills: Dama, Alitalia

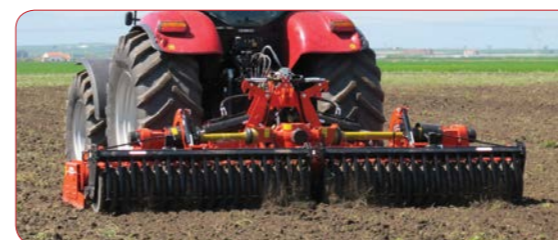


AQUILA Rapido Plus

Models	HP*	Working width (m)	No. of Tines
4000	140-330	4.0	32
5000	160-330	5.0	40
6000	180-330	6.0	48

*Weight includes: AQUILA 500mm Packer Roller.

Compatible Drills: Centauro



TORO Rapido Plus

Models	HP*	Working width (m)	No. of Tines
5000	180-380	5.0	40
6000	200-380	6.0	48

*Weight includes: TORO 500mm Packer Roller.

Compatible Drills: Centauro



PACKER ROLLER (Ø ext: 500 mm & 600mm)

The toothed Packer Roller works well breaking up any surface clods further and at the same time leaving an excellent finish, ready for seeding. This roller also comes standard with tungsten coated scrapers.



COMBI PACKER (Ø ext: 500 mm)

The Combi Packer roller is used primarily with combination drills. The large diameter of the tube gives excellent performance on heavy crop residues and soil profile hollows, thanks to the specially designed rings it ensures good seed to soil contact and constant seeding depth, complete with tungsten scrapers.



RUBBER ROLLER (Ø ext: 600 mm)

The Rubber Roller is suitable for use when using a power harrow combined with a seed drill in any soil type, it guarantees a constant drilling depth. It also comes as standard with tungsten coated scrapers.