

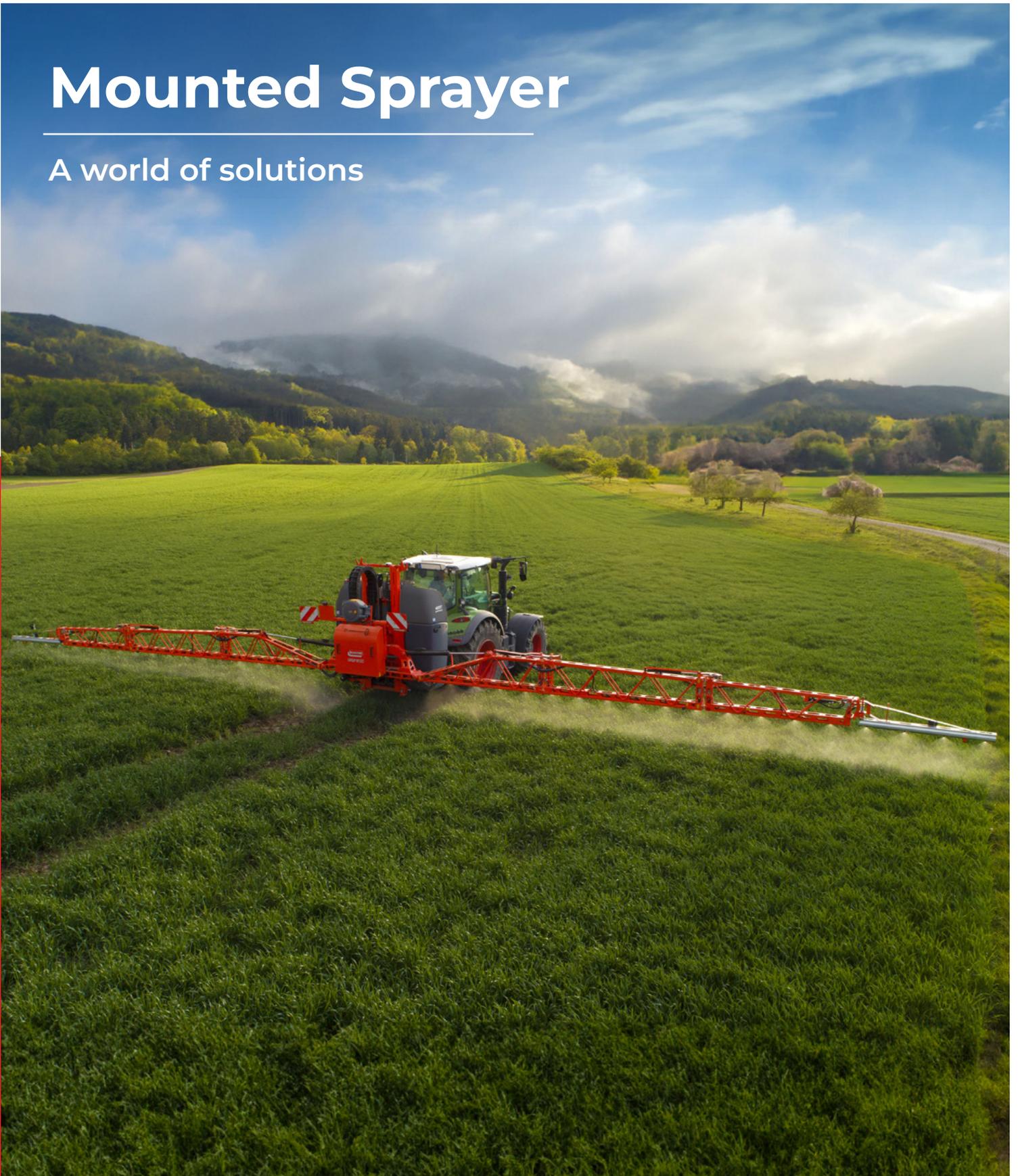


GASPARDO

Growing Together

Mounted Sprayer

A world of solutions





MOUNTED SPRAYER

EVEN DISTRIBUTION FOR SAFE HARVESTING

Crop protection is a delicate operation that is essential to achieve maximum crop yields while managing weeds, fungal diseases and insects. For open field crops MASCHIO GASPARDO has enhanced its range of mounted sprayers, which combine high distribution quality with excellent ergonomics and remarkable ease of use.

Generous standard equipment, simple design, first-rate components and intuitive operation management make this equipment the perfect ally for ensuring productivity and effective crop protection. Respect for the environment and operator safety are priorities in the development and design of each machine.

PROTECTION OF CULTURES



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High Productivity

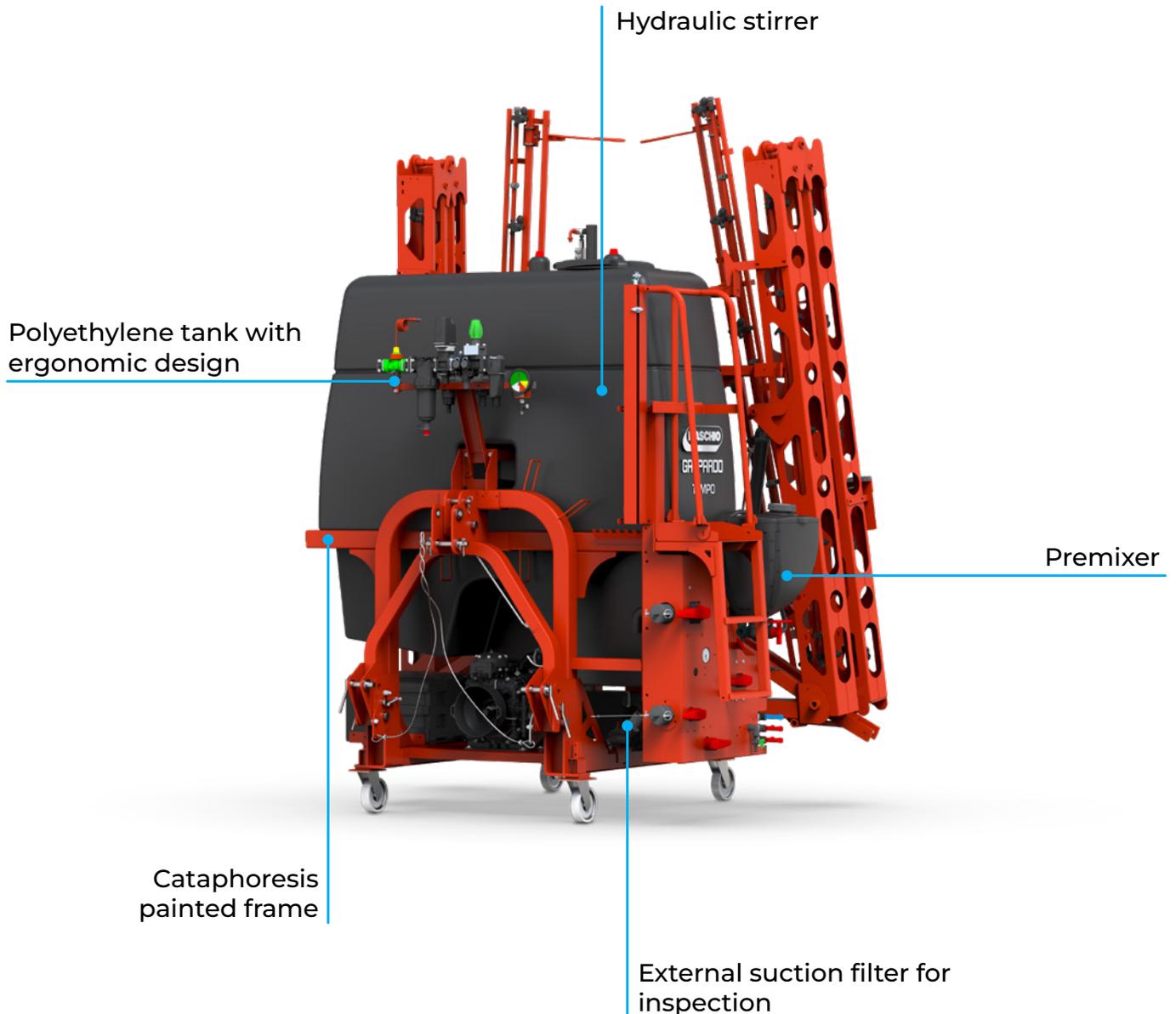
A choice for professionals

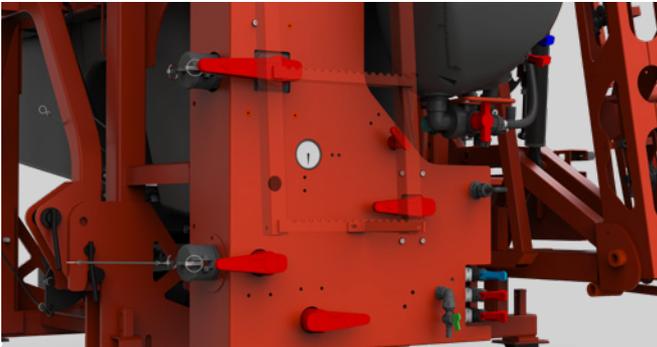
From small to large extensions, from specialised companies to contractors, MASCHIO GASPARDO's range of mounted sprayers is among the most complete on the market, both in the organic and conventional fields.

Ideal for those looking for a solution with an excellent return on investment.

The range is characterised by great manoeuvrability and ease of use with reliable and efficient models for all needs.

It is possible to set up the equipment according to one's needs, starting from a rich standard equipment. The line comprises a total of 8 models, with capacities from 400 up to 2000 litres.





Designed down to the smallest detail

The compact design and the use of high-strength steel ensure high reliability and ease of use. The use of vibration damper systems made with innovative materials, helps reduce dynamic stresses in the structural parts, ensuring high mechanical resistance to stress and wear.

Greenmix t 30 Premixer

The premixer significantly limits contact with plant protection products during the treatment preparation phases and begins the dilution of the product with the flow to the main tank. A special can-washing nozzle allows 100 per cent of the product to be used, leaving no residue in the bottle. Through the porthole on the lid, it is possible to check the actual withdrawal from the system.

Deviokit

Convenient feature that allows all spray circuits and nozzles to be cleaned with clean water, even when the tank is not empty. This greatly reduces maintenance with less risk of clogging.

Sprayer bars

Maximum reliability over time thanks to high structural strength, the use of high-strength steels and the safety system. Two possibilities to choose between mechanical or hydraulic bars. The latter have a cataphoresis coating ensuring a high durability class, making them resistant to corrosion by plant protection products or liquid fertilisers.

Control group

The manual or electric pressure control unit is designed to be intuitive and ergonomic. All levers and controls have been placed in easily accessible positions or grouped in a practical control panel. All this reduces downtime in treatment preparation operations.

Protected nozzles

All nozzles have been placed inside the bar to be safe and secure during accidental handling. The possibility of choosing the right nozzle allows you to vary the size of the droplets for correct and safe treatment at all times.

SAURO LP - SAURO START

Mounted sprayer



Tested simplicity

The SAURO LP is an economical, simple and extremely reliable solution thanks to the mechanical BDE boom and the 10-metre lever lance, which allow treatment in small areas, horticulture and protected crops.

SAURO START is ideal for open field and horticultural operations, offering a simple design and fast commissioning. The stable bar guarantees homogenous handling, while the hydraulic closing of the arms makes opening and closing quick, ensuring safe and contoured transport.

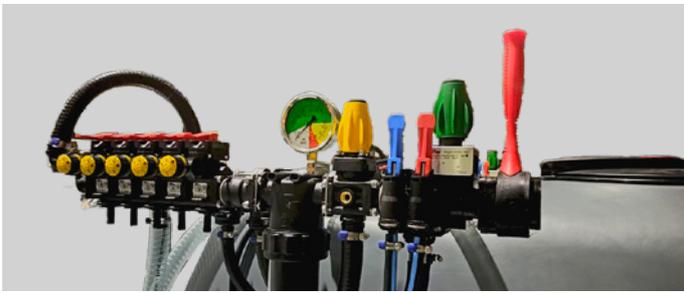
START bar

Made of galvanised steel, this bar is designed to express lightness and stability at its best. Consisting of two independent arms, opening and closing is done hydraulically via pistons. A mechanical self-levelling system with automatic locking system is standard for an always stable bar, even in hilly terrain.

BDE bar

The fully galvanised mechanical bar uses a manual book opening system with spring dampened hinge.





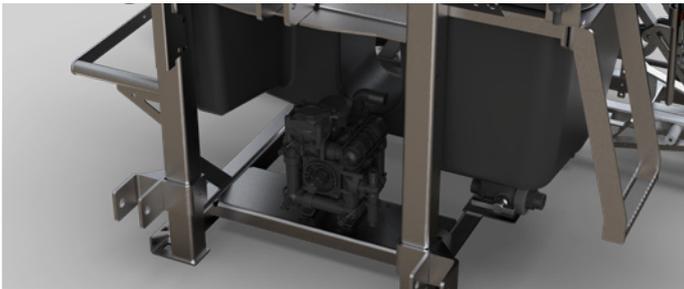
Manual pressure regulator

The pressure regulation of the water system, as standard, is manual. All pressure adjustments must be made manually on the regulator controls



Hydraulic stirrer

Inside the tank there is an agitator that, thanks to the continuous jet of product dispensed, allows the concentration inside the tank to be kept homogenous, without sedimentation of the plant protection product.



Accessible pump

The pump is positioned at the front of the sprayer, allowing both easy access and a close centre of gravity to the tractor.

	SAURO LP	SAURO START
MODEL	400 - 600 - 800 - 1000	600 - 800 - 1000
Effective tank capacity (l)	435 - 665 - 853 - 1.062	665 - 853 - 1.062
Bar width (m)	6 - 8 - 10 - 12	12 - 15
Sections (no.)	3 - 5	5
System washing tank capacity (l)	45 - 104	45 - 104
Control unit (type)	DPN 3 - 5-WAY	DPN 5-WAY
Weight (kg)	from 130 - 380	from 480 to 620



TEKO - TEKO ISOTRONIC

Mounted sprayer



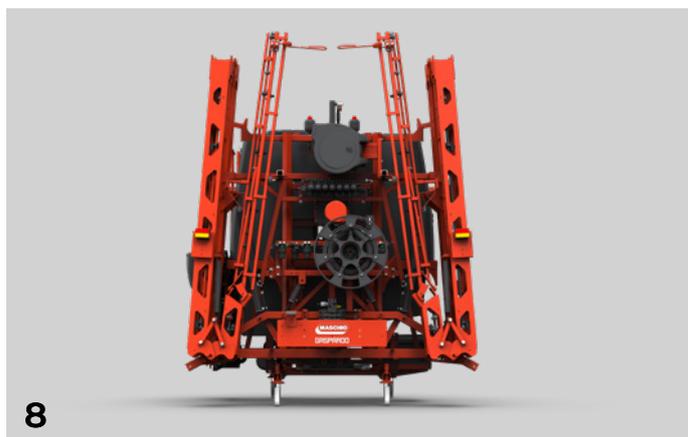
Versatile and advanced solution

TEKO and TEKO ISOTRONIC are a particularly suitable solution for farmers who are looking for a compact, reliable sprayer with advanced technology for improved comfort in the field. Ideal for small to medium extensions, TEKO offers a high level of standard equipment: cataphoresis painted frame, premixer, hydraulic arm lifting and opening and DevioKit, a system that allows the circuit to be flushed even when the tank is full. The range also offers a wide choice of options to simplify treatments on every crop and in every condition with a maximum capacity of up to 1,298 litres.



GreenMix T30 Premixer

The can washing nozzle ensures 100% of the product is used, without leaving any dangerous residues in the bottles. A small parallelogram with release spring allows the pre-mixer to be brought to a convenient position, and then places it again next to the main tank.



WORK U professional bar

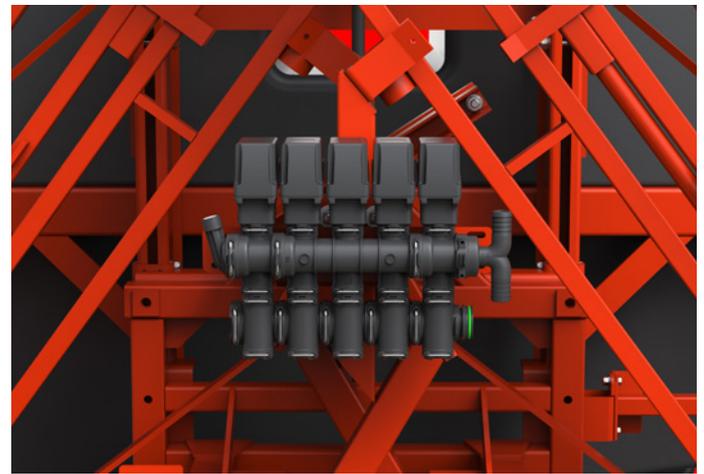
Professional bar with cataphoresis coating and hydraulic trolley lift up to 1,000 mm. Guaranteed distribution quality also thanks to the double hydraulic damper. OILDRIVE system, available upon request, makes it possible to centrally control the main bar movements from a special push button panel.

Control Unit

The system uses the electric drive both to adjust the pressure and for the opening/closing of the 5 water sections. A convenient push button panel equipped with pressure gauge, allows remote drive from the cab. A self-cleaning delivery filter is standard for added warranty and reliability.

ISOTRONIC Version

ISOTRONIC version, for the more demanding farmers and contractors, is also available with ISOBUS communication protocol for complete digital control of the equipment. Thanks to the different Universal Terminals available, all water, hydraulic and Precision Farming functions can be easily managed.



	TEKO / TEKO ISOTRONIC
MODEL	800 - 1000 - 1200
Effective tank capacity (l)	860 - 1.100 - 1.298
Bar width (m)	12 - 15 - 18
Sections (no.)	5 - 7
System washing tank capacity (l)	104
Control unit (type)	REMO / BRAVO 180 / BRAVO 400 / ISOBUS
Weight (kg)	from 640 to 1070



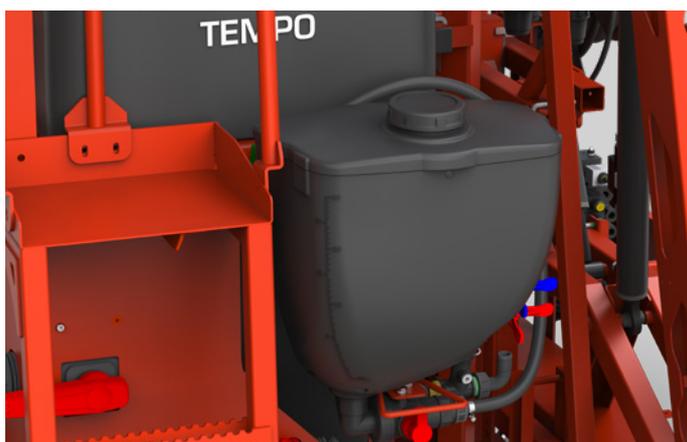
TEMPO - TEMPO ISOTRONIC

Mounted sprayer



Comfort and productivity

The TEMPO mounted sprayer is designed for contractors and farms that need to treat large areas in a short time, combining simple technology with professional performance. With its high productivity and comprehensive standard equipment, TEMPO facilitates both crop treatments and final cleaning operations. The control panel, located on the left side of the machine, allows fast and complete management of the intake and distribution valves, reducing downtime. The TEMPO ISOTRONIC version is also available, equipped with an ISOBUS communication system for advanced control.



GreenMix T30 Premixer

The can washing nozzle ensures 100% of the product is used, without leaving any dangerous residues in the bottles. A small parallelogram with release spring allows the pre-mixer to be brought to a convenient position, and then places it again next to the main tank.



Flowback

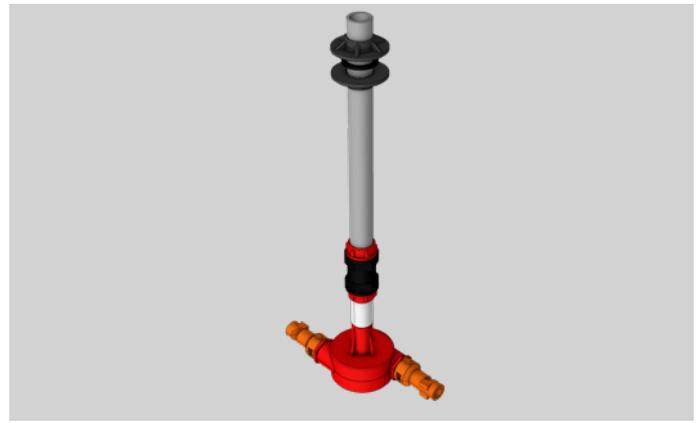
During each treatment interruption, the pressure still present in the spraying system is reset to zero by means of a discharge pipe pressure resetting device. This preserves the system and also prevents any dripping from the nozzles.

End-of-day cleaning

The 360° rotating nozzle and smooth, even tank walls ensure total cleaning of the main tank without exposing the user to plant protection products. No residue from the previous treatment may contaminate or damage the crop treated subsequently.

ISOTRONIC Version

ISOTRONIC version, for the more demanding farmers and contractors, is also available with ISOBUS communication protocol for complete digital control of the equipment. Thanks to the different Universal Terminals available, all water, hydraulic and Precision Farming functions can be easily managed.



	TEMPO - TEMPO ISOTRONIC
MODEL	800 - 1000 - 1200
Effective tank capacity (l)	860 - 1.100 - 1.298
Bar width (m)	12 - 15 - 18
Sections (no.)	5 - 7
System washing tank capacity (l)	100 - 127
Control unit (type)	BRAVO 180 / BRAVO 400 / ISOBUS
Weight (kg)	from 1.100 - 1.125 - 1.180



TEMPO ULTRA ISOTRONIC

Mounted sprayer



Professionalism in the field

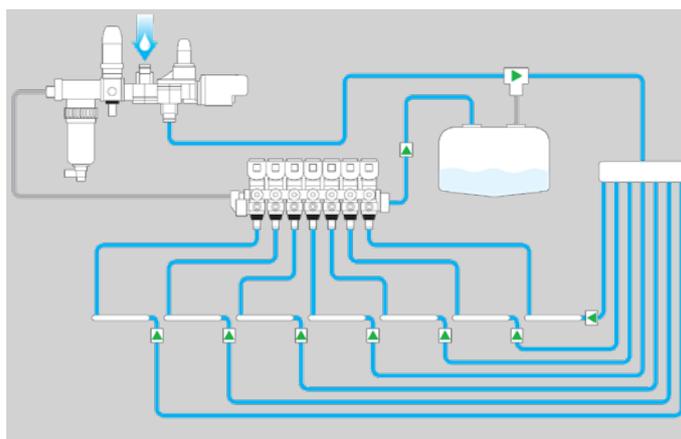
TEMPO ULTRA ISOTRONIC is the new high-end mounted atomiser designed by MASCHIO GASPARDO engineers, with a frame integrated into the tank design that optimises ergonomics and comfort. Available in 1300, 1600 and 2000 litre tank versions, it is compact and versatile, ideal for efficient treatment at every stage of work. Thanks to the semi-automatic 'Re.D' recirculation system, it ensures even product distribution even in the initial and final stages of treatment and during headland turns.

Ala 400

Low weight, high structural resistance thanks to the use of high-strength steels and a safety system to counteract yaw oscillations, guarantee the "ALA 400" bar maximum functional reliability over time. The "Z" closure of ALA 400 provides a low total width with a transport width of only 2.4 m in order to comply with the regulations in force in terms of road circulation even in the 30 m work width version.

Full control of distribution

Re.D (RECIRCULATION DYNAMIC) is the semi-active product recirculation system used in MASCHIO GASPARDO sprayers to avoid activation delays and untreated areas during boom section openings and on-off sections. The spray lines are always ready for use across the entire working width. It also prevents stagnation of the mixture in the circuit, preventing clogging and blockages.





Full control of distribution

The new HYDRAULIC PANEL has been designed to facilitate the functional and operational phases of the machine and reduce working time. Two types of panels are available: the first with manual control (M-PANEL) as standard, the second electronic (E-PANEL) available with optional 'PROFESSIONAL PACK' kit.



Higher daily productivity with FRONT TANK

A compact and manoeuvrable solution that increases overall capacity thanks to the FRONT TANK, available in 1.100 and 1.500 l versions. Simple and robust with a clean and innovative design that does not compromise the front view. Newly introduced is the version with automatic recirculation, FRONT TANK PRO, which allows intelligent flow management with optimal weight distribution.

MODEL	TEMPO ULTRA ISOTRONIC
	1300 - 1600 - 2000
Effective tank capacity (l)	1.450 - 1.820 - 2.180
Bar width (m)	15 - 18 - 21 - 24 - 27 - 28 - 30
Sections (no.)	5 - 7 - 9 - 11
System washing tank capacity (l)	300
Control unit (type)	ISOBUS
Weight (kg)	from 1.250 - 1.300 - 1.350



Control units

DPN

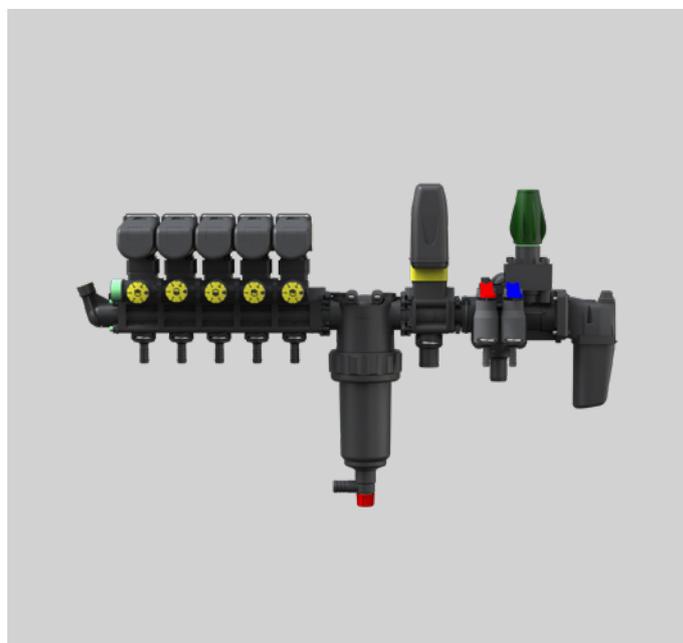
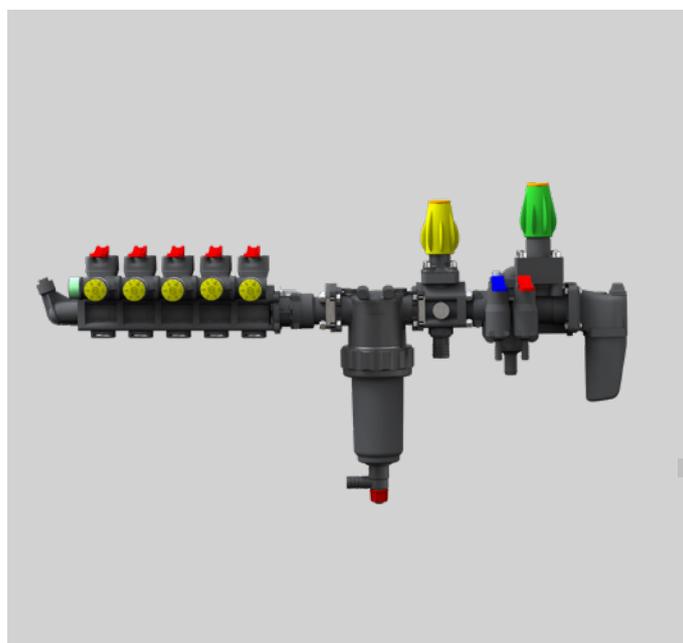
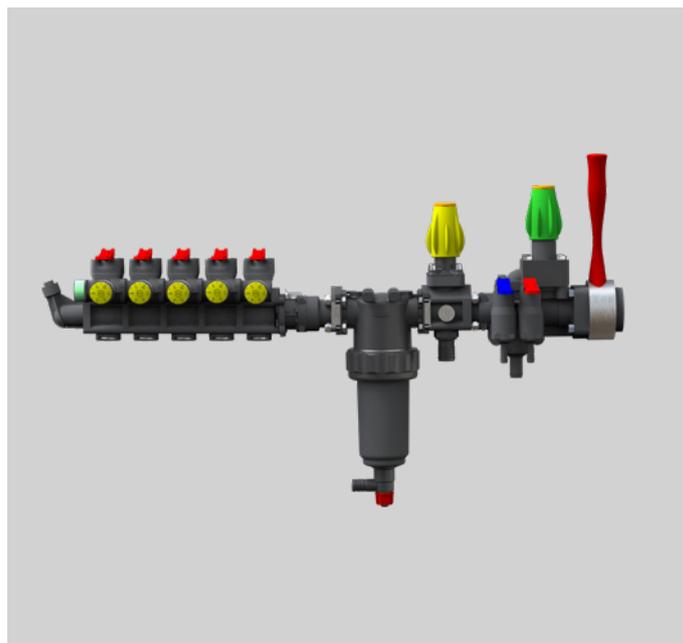
- Volumetric pressure regulator manual with self-cleaning delivery filter. Allows manual control of 3 or 5 water sections and 2 taps for auxiliary services, with anti-drip suction;
- Manometer with differential scale;
- Self-cleaning discharge filter;
- Maximum pressure: 20bar;
- Maximum flow rate: 250 l/min.

DPN ON/OFF

- Volumetric pressure regulator manual, with self-cleaning delivery filter. Allows manual control of 3 or 5 water sections and 2 taps for auxiliary services, with anti-drip suction;
- General electric ON/OFF valve, including push-button panel;
- Manometer with differential scale;
- Maximum pressure: 20bar;
- Maximum flow rate: 250 l/min.

REMO

- Volumetric pressure regulator electric, with self-cleaning delivery filter. Allows electrical control of 3 or 5 water sections and 2 taps for auxiliary services, with anti-drip suction.
- Manometer with differential scale;
- Maximum pressure: 15bar;
- Maximum flow rate: 250 l/min



Management TERMINALS

Everything under control

Functional parameters are managed via an on-board computer for control of all spraying and boom movement parameters. In the ISOTRONIC version, the equipment can also be used according to Precision Farming functionality.

BRAVO 180

Monitor suitable for use with TEKO and TEMPO for conventional functional management. Computer that adjusts product distribution according to actual working speed. Each individual control is performed with dedicated switch. Integrated water/oil management, up to 7 water sections and 7 bar hydraulic functions.



BRAVO 400

Solution for non-ISOBUS tractors that enables communication with the sprayer in a simple and functional way. Computer with 5.7" colour display with distribution proportional to working speed. It controls up to 13 bar water sections and 9 hydraulic functions and has a general water section closing switch. Navigation function with GPS and automatic closing of Sections.



TOUCH 800

Touch screen monitor with 8" display suitable for use in Precision Farming logic (geo-positioning, parallel guidance, section control and variable rate) with the purchase of dedicated software packages.



Hydraulic bars

Stability and high performance

The high construction quality and refined technical solutions employed make MASCHIO GASPARDO bars a practical and effective tool in crop management. All available set-ups are equipped with vertical locking of the last section, for greater agility of movement in tight spaces, e.g. at the edge of the field or near pylons.



START bar

This 2-cylinder hydraulic bar allows the arms to be opened and closed independently, with one sequence per left and right arm. A mechanical self-levelling system with automatic lock ensures stability, while the tilting arms and tips facilitate use. Unijet holders with bayonet nozzles ensure precise product distribution. The structure, protected by a cataphoretically painted frame, is also available in a galvanised version for the SAURO START model.

Width: 12 - 15

Available in: SAURO START, TEKO, TEKO ISOTRONIC, TEMPO, TEMPO ISOTRONIC



WORK U bar

Equipped with 4 cylinders, this hydraulic bar allows the simultaneous opening and closing of the arms and tips, with a U-shaped rear locking system and tips tilting from above. The mechanical self-levelling with automatic locking guarantees precision, especially in the OILDRIVE version, which is equipped with hydraulic locking and tilting and with independent movements of the arms and tips. The cataphoresis-coated frame is equipped with sliding protectors for increased durability.

Width: 15 - 18

Available in: TEKO, TEKO ISOTRONIC, TEMPO, TEMPO ISOTRONIC and TEMPO ULTRA ISOTRONIC



ALA 700 bar

Low weight, high structural strength and consequent reliability of the ALA 400 bar are guaranteed by the use of special high-strength steels. Thanks to a careful design that takes into account road regulations, the closed bar in transport position is among the most compact on the market, allowing a machine width of only 2.40 m. Self-levelling and hydraulic locking, together with variable geometry, optimise performance, while the cataphoresis coating protects the structure from wear.

Width: 15-18-21-24-27-28-30

Available in: TEMPO ULTRA ISOTRONIC

Precision farming

Maximising yields while reducing environmental impact

MASCHIO GASPARDO is constantly striving to develop innovative solutions that help farmers maximise yields while reducing environmental impact. Optimisation of natural resource management and compliance with regulatory standards are central objectives of our research.

Protecting crops from diseases and pathogens requires careful management of plant protection products, balancing the use of synthetically derived pesticides with alternatives such as mycoparasites and resistance inducers, to promote more sustainable agriculture. Although mechanical tillage is a good solution for weed control, it can be ineffective against

plants with stolons, rhizomes, tubers or budding roots. In some cases, it may even facilitate their spread.

The use of sprayers also allows foliar fertilisation using specific nozzles, improving the effectiveness and distribution of micro- and macro-nutrients, which is particularly useful in adverse conditions that limit plant uptake, such as unfavourable pH, extreme temperatures or drought.

Crop optimisation: precision and savings for your farm

Thanks to the ISOBUS communication protocol, MASCHIO GASPARDO's mounted sprayers are able to operate according to the principles of Precision Farming, optimising crop yields, reducing working time and promoting more sustainable agricultural management. Features such as Section Control and Variable

Rate control allow precise and uniform application of the crop protection product, avoiding waste and reducing the risk of crop damage. Each plant receives the right amount of treatment, with both environmental and economic benefits.

Geolocation-dependent flow rate adjustment

The computer automatically recalibrates the correct flow rate (l/min) in relation to the working position according to the prescription map. This controlled distribution makes it possible to optimise the amount of treatment product distribution according to localised needs.

Automatic closing of sections

Allows sections to be closed if they overlap with an area already treated. The management computer, via GPS signal, recognises the area already treated or to be treated and intervenes by closing or opening the necessary sections.



TEMPO ULTRA ISOTRONIC

Mounted sprayer





GASPARDO

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