



MAZZOTTI

BY JOHN DEERE

MAF32 MAF40
**INNOVATION
IN MOTION**

MAF 40

At Mazzotti by John Deere, we believe in constant evolution to meet the demands of modern agriculture. The MAF 32 and 40 models are the pinnacle of our efforts—designed for those who demand power, precision, and adaptability in any terrain or crop. Whether you're navigating tight plots, hilly landscapes, or expansive fields, MAF is engineered to perform.

MAZZOTTI

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MAF, EVOLVING PROJECT

MAF continues to amaze, with the ability to transform itself into the product required by the market.

An evolving self-propelled sprayer designed to satisfy all needs over time.



On new MAF
everything
is within reach,
for easy
diagnostic,
settings and
protection



All CPU centralized with high protection of all components



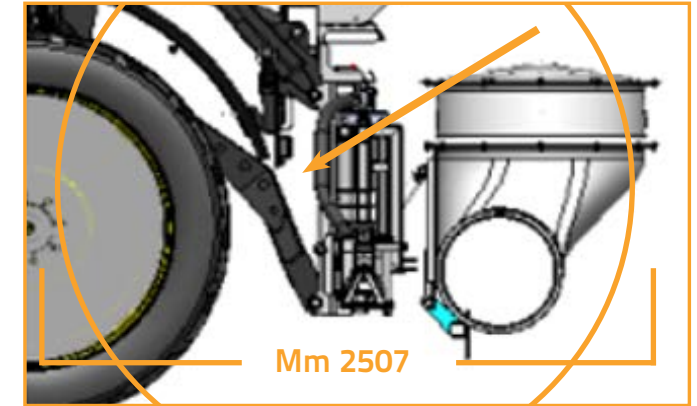
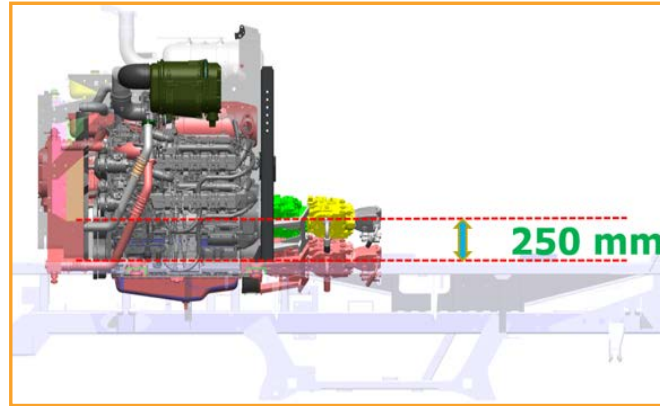
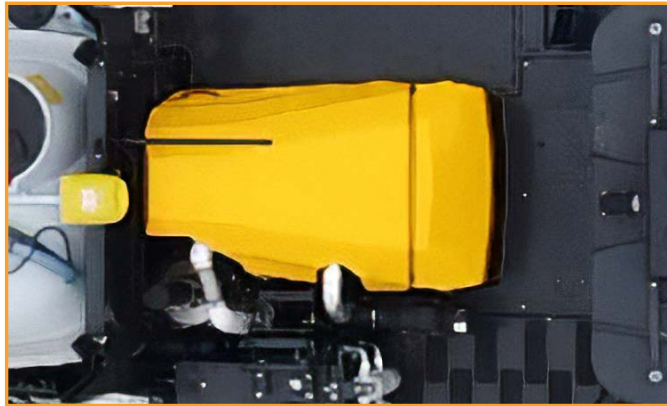
Electrical box with fuses clearly identified and protected



Sliding battery housing and redesigned large compartment

Main solution tanks in polyethylene, designed for easy cleaning and polyethylene fuel tank positioned a side for fast and easy refilling. Further frame modifications have been made on the rear parallelogram of MAF 32.

We adapt MAF 32 to work even better in small plot, to facilitate the turning in headland, by reducing the parallelogram length of almost 500mm



MAF 32 and 40 we developed the new frame aimed to host the engine 25cm lower. This solution allows for increased stability and the rear visibility, and the large platform makes it easier to walk around for maintenance of to have access to the lid.

POWERFULL AND COMPACT!

MAF raised the self-propelled segment, taking it to a level of power, performances, comfort and safety previously unknown. Responsive and agile, specifically designed as a lightweight self-propelled, fast and maneuverable.

The high performance traction and capacity identify the different use of the MAF in Small Grain, High valued crop, hilly or muddy and rice conditions.

MAF32

Capacity 3200 l (3420 l)
powerful transmission with dedicated Poclain motors and John Deere engine 173 HP

MAF40

Capacity 4000 l (4320 l)
powerful transmission with dedicated Poclain motors and John Deere engine 227 HP

Cutting-Edge Cabin

The new John Deere cabin, developed and outfitted by Mazzotti, offers an unprecedented level of comfort. With intuitive controls, adjustable heated seats, and a Level 4 air filtration system, the MAF allows you to work safely and comfortably, even during the longest days

Real time, info logic TERA 10 color touch screen. All information about working/transport setting, hydraulic system, engine and warning maintenance are displayed in real time. TERA 10 can display up to 2 cameras and the possibility to consult the Use and maintenance book which is stored in the memory.

In some countries, the remote control feature for data and software updates is available, providing innovative working and diagnostic solutions for the best performance and maximum operational comfort.



New dashboard simplifying operation, visualized on TERA monitor.

Round joystick to select functions on the TERA 10 alternatively to touch Screen.



Ergonomic Joystick John Deere or Mazzotti according to the water system, for speed direction, and all boom and water functions controls

A new John Deere Cabin, with interior developed and engineered by Mazzotti, to make it: comfortable for long day usage, safe with a Level 4 recirculation system, friendly use with intuitive commands, soundproofed and entertained to stay connect, and a wide visibility around.

3 +3 Led Light for night working

Homologated and certified Level 4 system, for a clean air into a pressurized ambience

Ladder folding outside and always visible, with large side access

Electric mirrors



Stereo AM/FM, Bluetooth, internal microphone

Nr 6 road lights



Large box container on the right side of the cab



Pneumatic adjustable and heated seat, with passenger folding seat



New steering column, fully adjustable with footrest



Clothing Locker



Bullbar positioned below front fascia, without increasing dimensions. For protection and to host small front tools.

ENGINE AND TRASMISSIONS

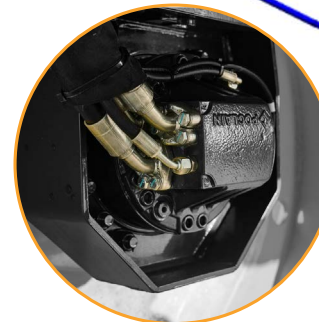
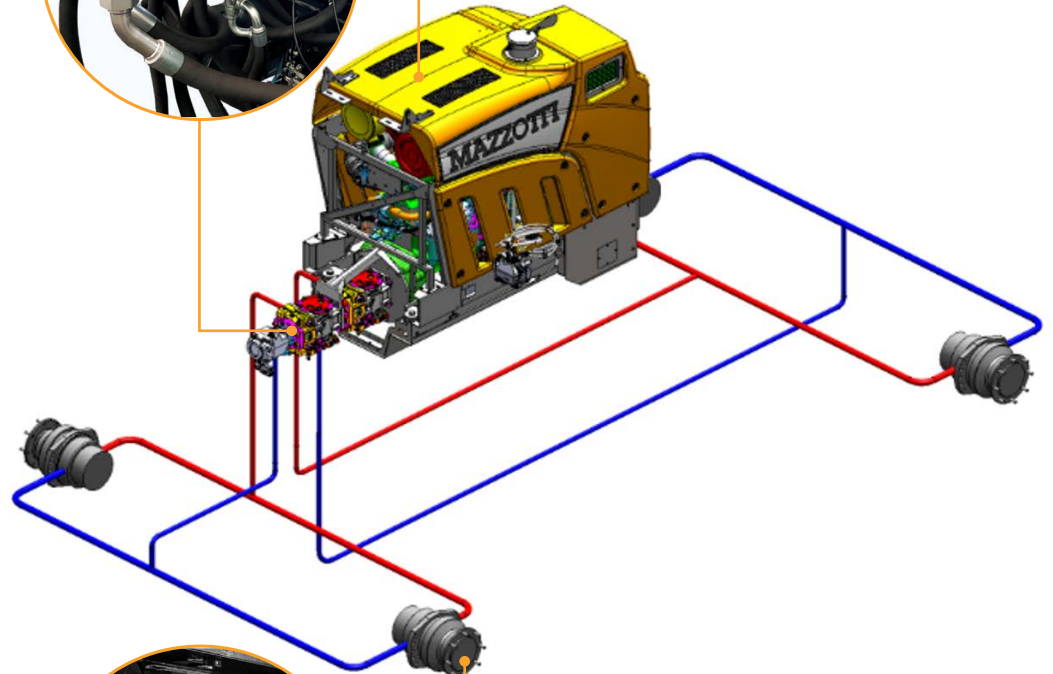
Uncompromising Performance

The MAF 32 and MAF 40 self-propelled sprayers are designed to deliver excellent performance even in the toughest working conditions. Whether it's muddy terrain, steep hills, or delicate crops, MAF guarantees unmatched power and stability.

Engine is contained in a completely openable boxes, easy accessible by the hydraulic ladder for the maintenance. Separate cooling circuits for engine, hydraulic oil and air conditioning, for a perfect efficiency.

Powerful transmission, twin Hydrostatic Danfoss pumps, feeding independently the front and the rear Axle motors. Available as option a flow divider on the rear transmission, for intense side slopes.

Engine is contained in a completely openable boxes, easy accessible by the hydraulic ladder for the maintenance. Separate cooling circuits for engine, hydraulic oil and air conditioning, for a perfect efficiency.



4 motors Poclairn MHP11, with 4 automatic shifting offering speed up to 20 kmh on field, and up to 40 kmh on transport -MAF 40 drive up to 50 kmh (if allowed) on transport. MHP11 motors includes powerful oil brake discs in front.

MAF32

MAF40

Engine John Deere	VPowerTech PSS 4 cylinders, 4.5 L, 129 Kw (173 HP) Tier 5 DEF	PowerTech PSS 6 cylinders, 6.5 L, 169 Kw (227 HP) Tier 5 DEF
Alternative engine (if allowed)	John Deer 6 cylinders 6.8 L 129 Kw (175 HP) Stage IIIA	
Hydrostatic pump	Twin Sauer Danfoss Hydrostatic pumps 2x75 cc	
Hydraulic motors	Nr 4 Poclairn MHP11 large displacement	
Shift	Nr 4 automatic shifting	
Ecomode	At 1600 rpm	

Standard equipped with

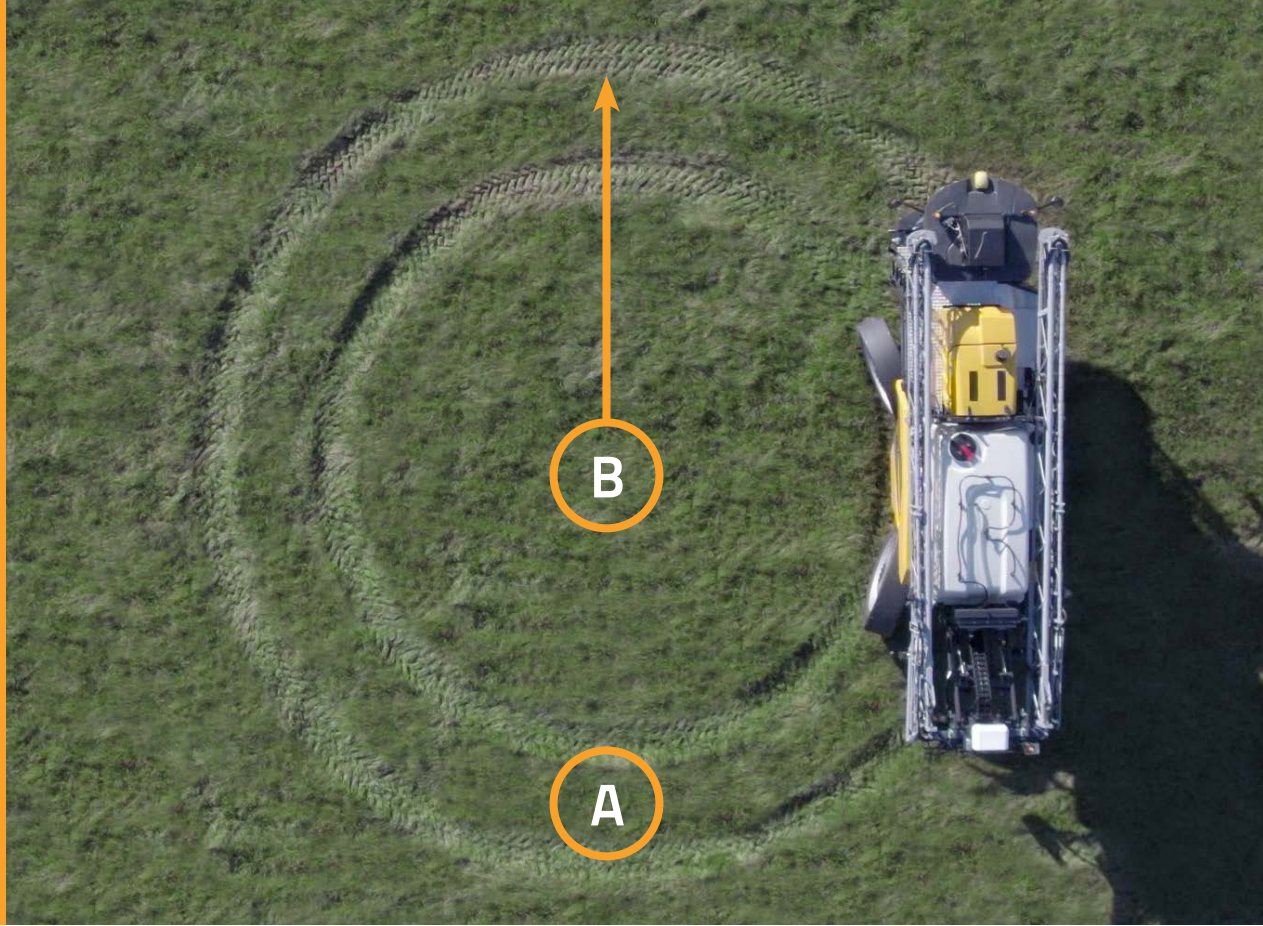
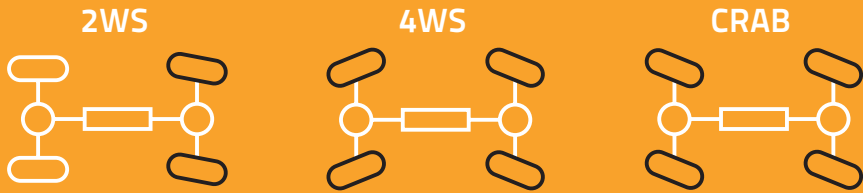
Slow motion system to limit the max speed setted

Cruise control to maintain the set speed

4 WHEELS STEERING

MAF allows 3 combinations of steering, two front wheels, four-wheel steering, and crab steering.

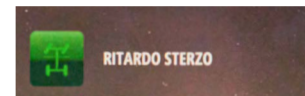
The software manages the speed of the rear steering wheels to align with the front ones. Higher the machine speed, slower the rear wheels steer to mirror the front ones



The 4 steering are activated/deactivated by a pedal in working mode. S2C software is automatically locking the rear wheels above 17 km/h, but in field or transport mode.



The 4 steering mode could be automatically engaged/disengaged by the software, once machine reach a speed set from monitor (available with monitor G5 John Deere). No need to use pedal to engage the 4WS



The system offers the possibility to select the steering delay, useful to steer in tight headland avoiding to damage the crop

TRACK AND CLEARANCE

MAF 32 and 40 are standard delivered with the manual adjustment of the track on the single wheels.

Available as option the Automatic track from cabin, offering the possibility to change track from open to close and other way around from the cabin.

Both models are offered with The standard clearance of 1100 mm and optional clearance of 1300 mm, and different tracks according to clearance.

Clearance 1100mm	MAF32* MAF40*
Manual track mm	1500 / 1600 / 1700 / 1800 1800 / 1900 / 2000 / 2100 / 2250 2250 / 2500 / 2700 / 2800 / 3000
Automatic track mm	1500 / 1800 1800 / 2250 2250 / 3000

Clearance 1300mm	MAF32* MAF40*
Manual track mm	2000 / 2000 / 2250 / 2450 2250 / 2500 / 2700 / 2800 / 3000
Automatic track mm	2000 / 2450 2250 / 3000

(*) Track may vary according to wheels, above track are maintained up to 340mm wheels section



Anti-friction rollers to keep axle adjustments easier!

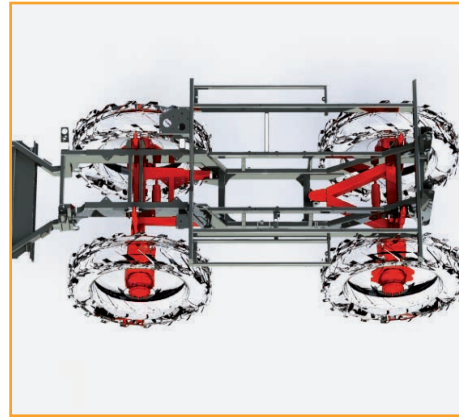
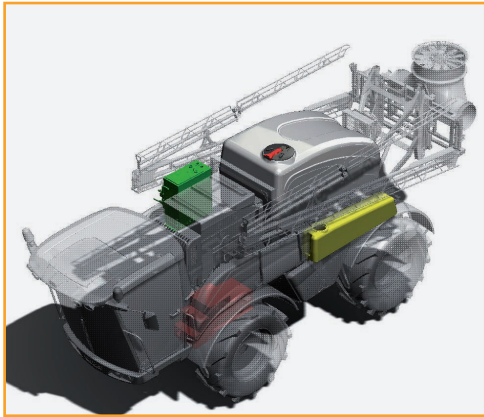


Option Automatic
Open/close Axle from cabin, directly from TERA monitor
Intermediate position available by fixing bracket

WEIGHT DISTRIBUTION AND SUSPENSION SYSTEM

Designed for Every Challenge

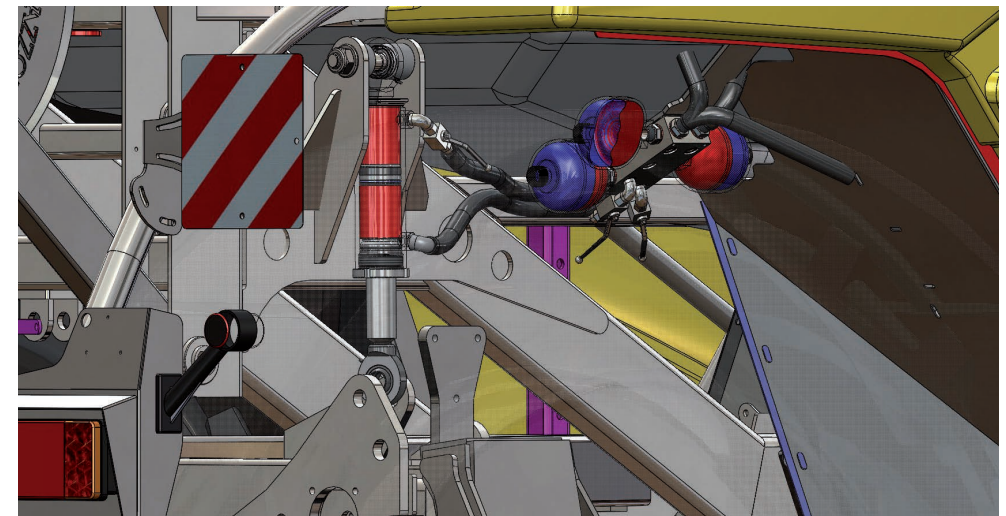
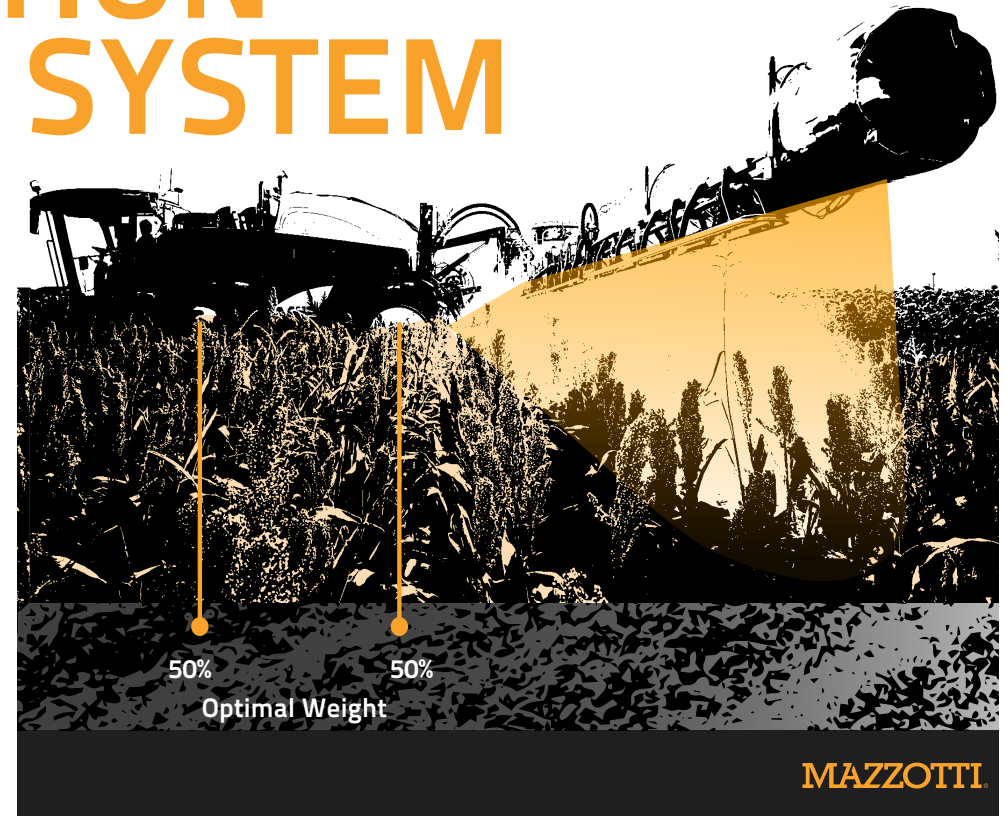
The versatility of the MAF 32 and 40 makes them ideal for a wide range of agricultural Applications with a compact, maneuverable design and the ability to adapt to multiple Crops.



MAF 32 and 40 are equipped with polyethylene main tank with capacity respectively of 3200 l and 4000 l, and polyethylene clean water tank.

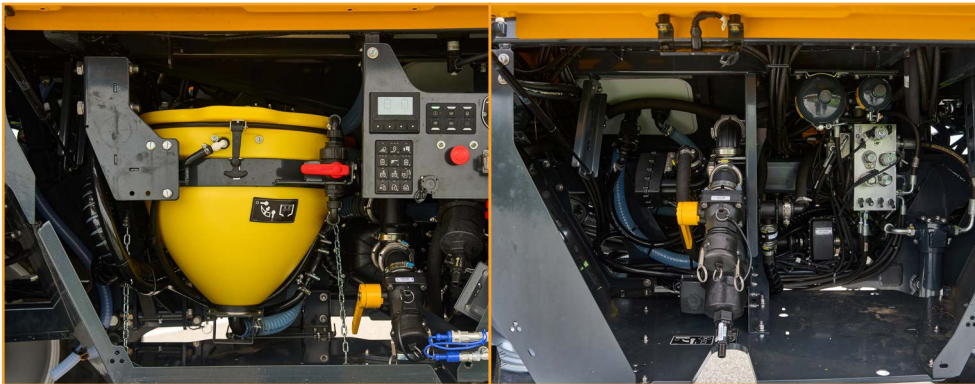
The position of tanks and components have been carefully studied during project phase to achieve an optimal weight distribution of 50% on each axle, in the worst conditions of full tank and open boom.

The sturdy frame, designed with safety in mind, has undergone a specific process to protect it from corrosion, including sandblasting, washing cycles, anti-rust treatments, powder varnish and baking. The hydraulic suspensions, assembled on a suspended front axle and rear delta axle, are supported by shock absorbers with double oil chamber with 8cm stroke and 6 hydropneumatic accumulators. Resulting into an extreme comfort on all situation.



WATER SYSTEM MAZZOTTI

Designed for easy access and use. The 330 l pump, is located in the right compartment, along with all suction and delivery filters. Above the compartment are positioned the centralized hydraulic pumps controls, suspensions settings and electrohydraulic valve.



The left compartment includes the multifunctional water valves for filling, chemical mixer and washing operation, and the electric panel to operate engine and pump. the after-work washing operation performs a complete washing including tank, or just a partial washing of the circuit. An electronic litre counter displays the quantity of water in the tank.

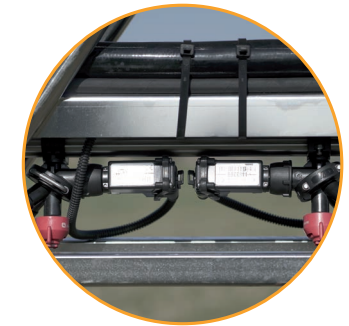
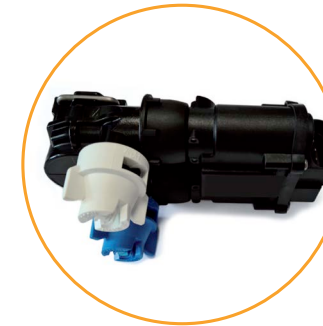
Choice of monitor and spraying system

MAF assemble as standard the Bravo 400s with Mazzotti system IBX 100 controller. Can assemble in ISOBUS the JD monitor G5 plus , or Trimble monitor, using the same ARAG controller. Mazzotti system is standard equipped with single nozzles control Seletron, spaced as option at 25cm on TiM boom

Standard BRAVO 400s



Optional monitor G5 plus John Deere 12,8 inches



Sections

Seletron Twin is available as an option, which allows automatic selection or manual of the nozzle to be used (or both nozzles at the same time) depending on the speed, conditions, and culture.

On T-M EVO boom is possible to fit Nozzles at 25 cm spacing

WATER SYSTEM M- SPRAY

Efficiency and Sustainability

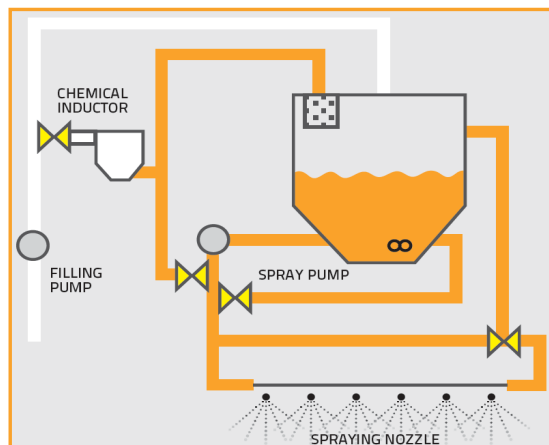
The M-Spray system allows precise control of the liquid, reducing waste and optimizing resource use. With the water circulation system, spraying is uniform and always ready for use, minimizing the risk of sedimentation and ensuring an even application across the entire boom length.

MSpray is a 2-circuit liquid system, managed by a dedicate software, designed for:

- Fast tank filling at up to 600 l/min due to a fully integrated self-priming centrifugal pump.
- Centrifugal spray pump (750 l/min) with direct rate control rapidly controls the rate applied at a pressure of Max 9,7 bar at 6000rpm



M-spray solution system



Filling, Agitation, Flushing are managed by the software. From working station, you will fill the main tank and the clean water tank completely or partially.

Just input the liquid quantity to fill main tank by the keypad and the software will manage it. You can further manage the different and automatic flushing program according to situation, drain the water from main electric valve below tank, or by using the filling pump in pressure.

System is fully integrated, all functions of agitation and flushing can be activated comfortably from monitor John Deere G5 inside cabin.



System is equipped with INC, single nozzle control. With INC pipelines are always full and in pressure, resulting in homogeneous distribution all over the boom length at depart

Key fob included in MSpray, allows operators to check spray pattern by nozzle or by section

WATER SYSTEM MAZZOTTI/JOHN DEERE

Water circulation system

Standard with Selectron or John Deere INC.

- Less risk on sedimentation in the lines, less risk on blocked nozzles.
- Immediate spray start possible no time lost, and always a concentrated start, no missed areas.



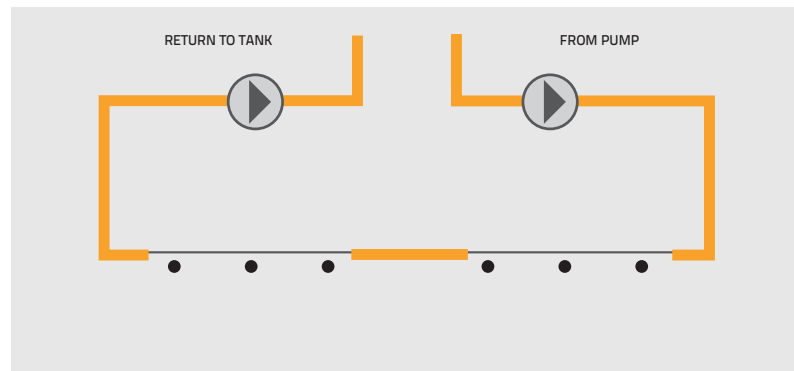
Concentrated start with pressure circulation



Start without circulation, sections located in center frame

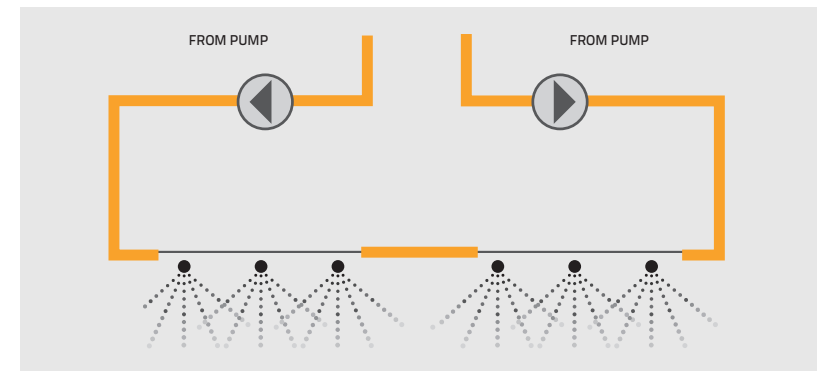


PRESSURE CIRCULATION Electric single nozzle control.



OFF MODE

Liquid circulates from pump to tank and along the nozzle bodies.



ON MODE

Circulation line becomes supply line with spray.

WATER SYSTEM - BOOMS

MAF can assemble 2 boom series, the Ti-M series and the MK. Both series are standard delivered with single nozzle control. Ti-M series can be equipped with both Arag or M-Spray water system, while MK is delivered only with M-spray.

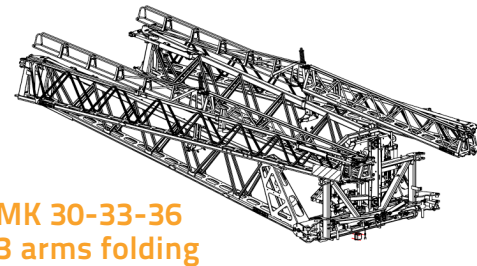


MK boom has been developed having small grain in mind, with specific feature for MAF, like the 3 parts folding arms, with partial folding of the 30, 33 and 36 mt boom into 24 mt. The MK boom is designed with a special profile which combines its minimum weight with maximum strength and stability. The central frame with two pivoting points allows the boom to freely balance around, arms are standard equipped with variable geometry and tilting

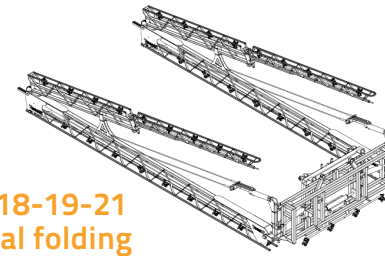
Ti-M is specifically designed for HVC, with the possibility to host the air assisted and with the variant EVO the nozzles spacing at 25 mt. Ti-M booms is available with optional stainless steel arms, now presented with further protection cycles to offer an increased protection, an easy washability, and a unique shining look.



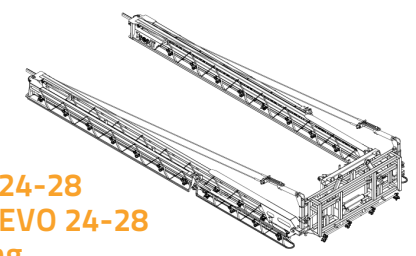
MK 24-28
2 arms folding



MK 30-33-36
3 arms folding



Ti-M 18-19-21
vertical folding



Ti-M 24-28
Ti-M EVO 24-28
folding

Boom Model	Boom length / (partial folded) mt	Nr Part folding	Spacing cm	Tilting	Variable Geometry	Transport lock	Nozzle control	Stainless steel arms	Air assisted
Ti-M / vertical	18 / 19 / 21	2	50	NO	YES	YES	Single nozzle	Standard	Option
Ti-M / lateral	24 / 28	2	50	NO	YES	YES	Single nozzle	Standard	Option
Ti-M EVO / slide	24 / 28	2	25	NO	YES	YES	Single nozzle	Standard	Option
MK	24 / 28	2	50	YES	YES	YES	Single nozzle	Not available	Not available
	30 / 33 / 36	3							

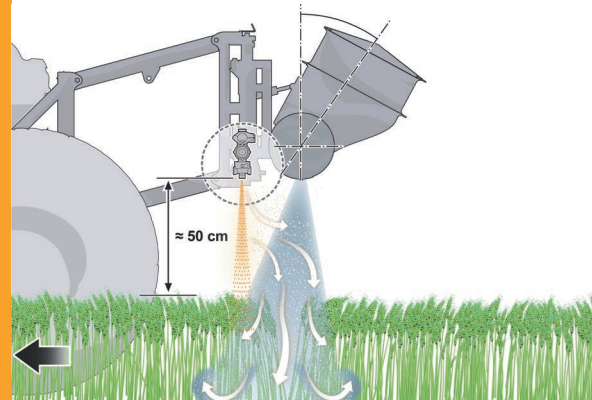
Both Ti-M and MK boom have a width in transport limited to 2550 mm, independently from the boom Length, allowing road circulation without width limitation

AIR ASSISTED OPTION

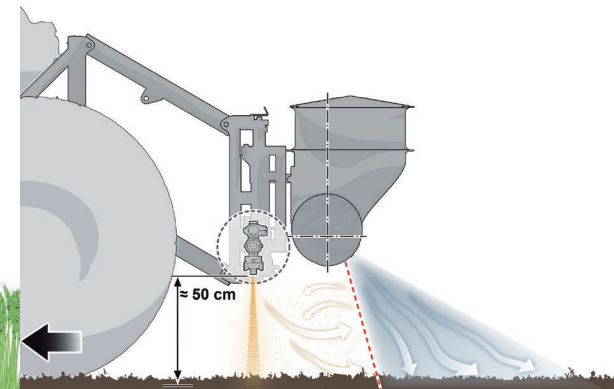
Offers excellent coverage of tall & leafy crops.
Air curtain opens the crop & swirls the spray mist into the foliage. Ideal in salad, vegetable & potato crops.
Air speed & angle adjustable from the cab.
Excellent drift reduction.
Obtaining a great quality of Job with spray effectiveness and a waste reduction.
In extremely dense & difficult crops NOTHING gives better coverage!



Front air delivery orientation enhances product placement, turbulence created cover both side of leaves.



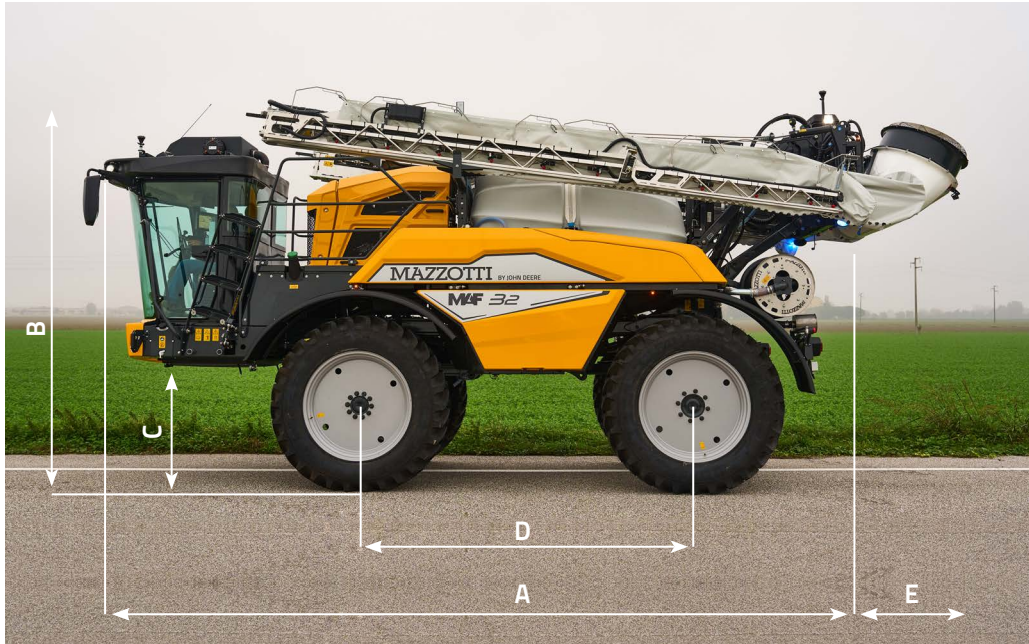
Rear oriented air delivery function like a barrier to avoid drift.



Air Assist turbulence increases canopy penetration for greater coverage.

BUILD TO LAST

With a reinforced structure and cutting-edge anti-corrosion treatments, the MAF 32 and 40 are designed to withstand years of intense use. The quality of the materials and attention to detail result in less maintenance and more time dedicated to work, making these machines a true investment for the future of your business.



MODEL	A	B	C	D	E
MAF32	7,5	3,85	1,1	3,1	2,55
MAF40	9,6	3,94	1,1	3,4	2,55
DATA	MAF 32 equipped with boom 24 m and wheels				
	MAF 40 equipped with boom 36/24 m and wheels				

SPECIFICATION	MAF32	MAF40
Engine	John Deere 4 cylinders, 4,5 L, 173hp (129 Kw) Stage V - Peak Torque 667 Nm@1500rpm	John Deere 6,8 L, 6 cylinders, 227hp (169 Kw) Tier 5 DEF Peak Torque 970 Nm@ 1600rpm
Engine optional	John Deere 6,8 L, 6 cylinders Stage IIIA 175 HP - where allowed	
Cooling	Water	
Traction	Nr 4 Poclain MHP 11 plus	
Hydrostatic pump	Nr 2 Hydrostatic pump Sauer Danfoss 2 x 75cc	
Shift gears	4 automatic shifting	
Working speed	0 - 20 Km/h	
Transfer speed	0 - 40 km/h (50 km/h where allowed)	
Braking	Integrated front discs brakes + Hydrostatic	
Parking brake	Negative brake on rear wheel	
Suspension	Hydropneumatic on the 4 wheels	
Tracking adjustment	Manual or Automatic	
Track available	See chart	
Clearance indicative	1100mm standard - 1300mm option	
Indicative list of wheels	270/95R48 VF 300/95R46 IF 340/58R46 380/80R38 IF 540/65R38	270/95R48 VF 320/90R46 IF 340/85R46 380/80R38 VF 380/90R46 540/65R38 650/60R38 VF
Steering radius inner/outer	3800/4500mm	4200/5100mm
Main tank capacity	3200 l. (3420 l.)	4000 l. (4320 l.)
Fresh water tank	230 l.	460 l.
Fuel tank	300 l.	
Premixer tank	50 l.	
Cabin	New JD cabin, pressurized, pneumatic and heated seat, passenger seat, Level 4 filter, electric mirrors, Cabin entertained, new dashboard with large diagnostic monitor TERA 10 inches	
Light	Nr 6 transport Light + Nr 6 workign Lights	
Ladder	Hydraulic	
Water system Mazzotti	Water pump 330lt, Premixer 50 l. multifunciont manual valves on ground	
Water system John Deere	Mspray system, centrifugal water pump 700 l., premixer 50 l., centrifugal filling pump 600 l., water eletric valve, dedicate software to control all water operation from ground and cabin	
Boom	TiM Stainless steel boom from 18 to 28mt, MK steel boom from 24 to 28mt	TiM Stainless steel boom from 19 to 28mt, MK steel boom from 24 to 36mt
Spraying Computer	ARAG or John Deere G5 monitor	
Guidance system	ATC Guidance system or Trimble (opt)	
Weight from	From 7500 to 8100 kg	From 8500 to 10500 kg



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