

**MAF** 32MC

# INNOVATION IN MOTION

At Mazzotti by John Deere, we believe in constant evolution to meet the demands of modern agriculture. MAF 32 MC has been specifically designed for use in difficult traction conditions, developing a double transmission based on a primary Hydrostatic and final with mechanical differentials.

**MAZZOTTI**  
BY JOHN DEERE

# 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



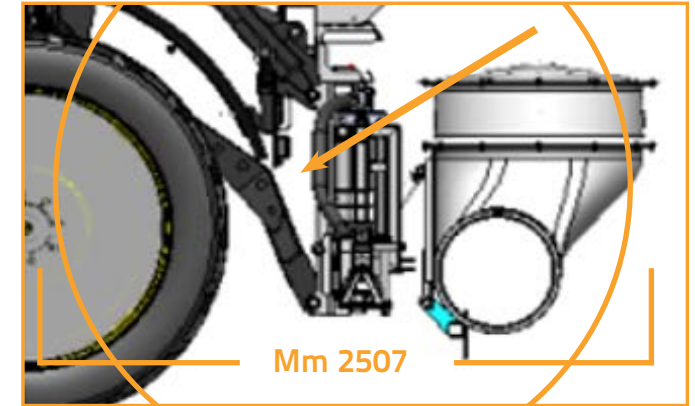
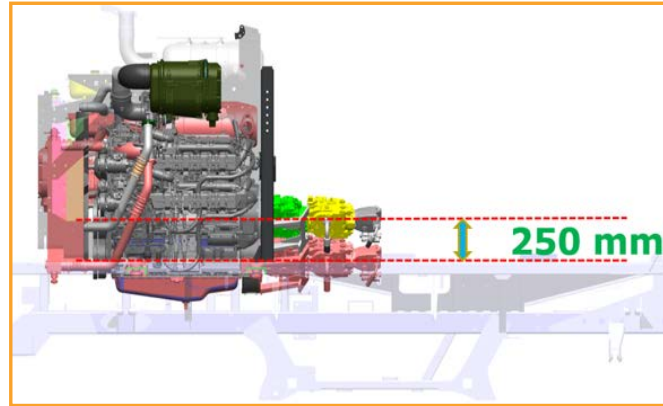
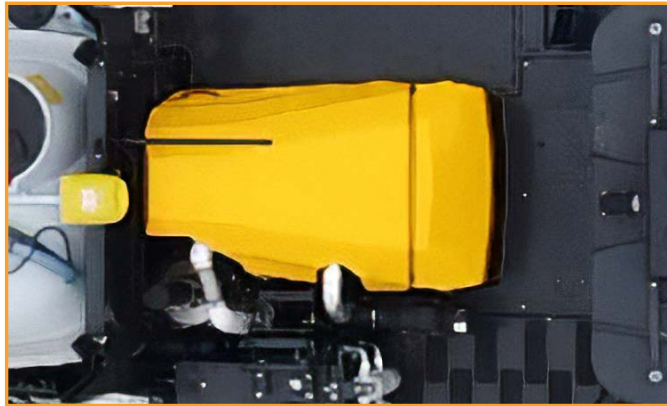
Electrical box with fuses clearly identified and protected



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



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.

## MAF32MC

Capacity 3200 l (3420 l)  
powerful transmission, primary drive with hydrostatic pump and final with mechanical differentials. John Deere Engine 175 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 ambiance

Ladder folding outside and always  
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



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



Clothing Locker



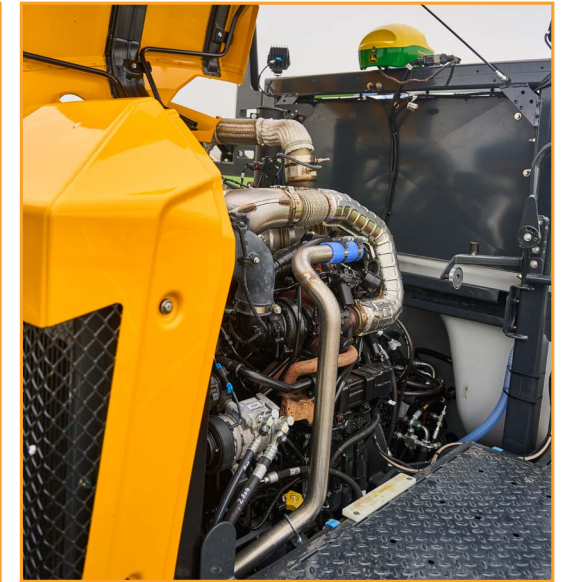
# ENGINE AND TRANSMISSIONS

Uncompromising Performance The MAF 32 MC is designed to deliver excellent in the toughest working conditions. Whit heavy ground wet terrain, steep hills, or rice fields. MAF guarantees always unmatched power and stability

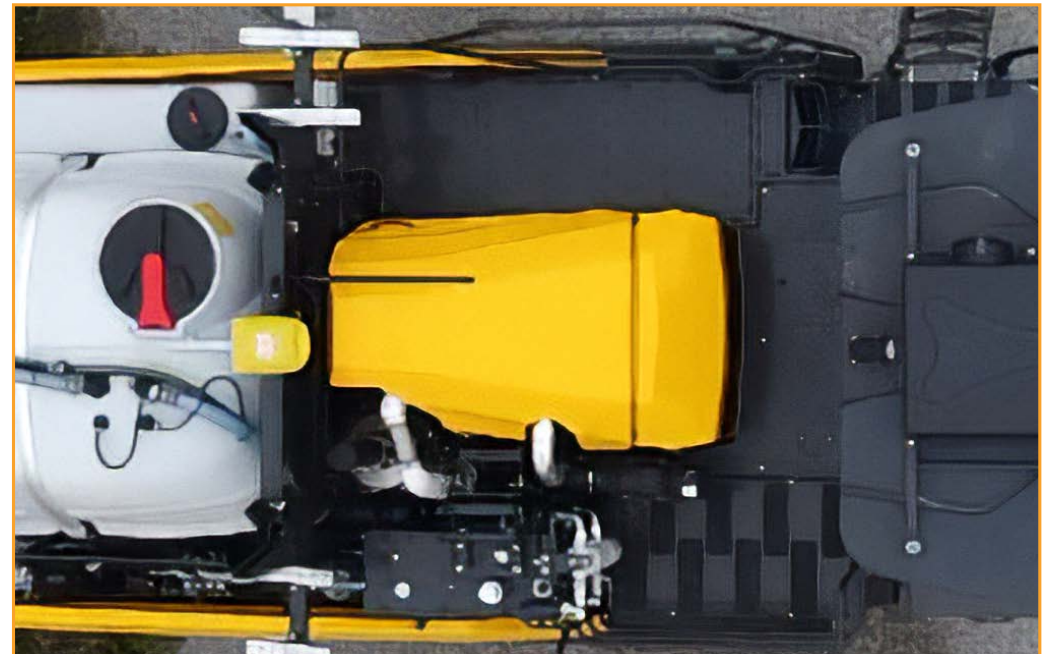
## MAF32MC

Engine John Deere	PowerTech PSS 4 cylinders, 4.5L, 129 Kw (173 hp) Tier 5 DEF
Alternative engine (if allowed)	John Deere 6 Cylinders 6.8 L 129 Kw (175 HP) Stage IIIA
Primary transmission	Sauer Danfoss Hydrostatic pumps
Final Transmission	Mechanical differentials
Working / Transport Speed	0-20 km/h - 0-40 km/h
Shifting	2 Hydrostatic speed + 2 differential speed
Slow motion	To limit the max speed set

The company DROMOS built under Mazzotti project the specific differential transmission equipped with two speed. Additional two speed are available from the hydrostatic motor with system automotive



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.



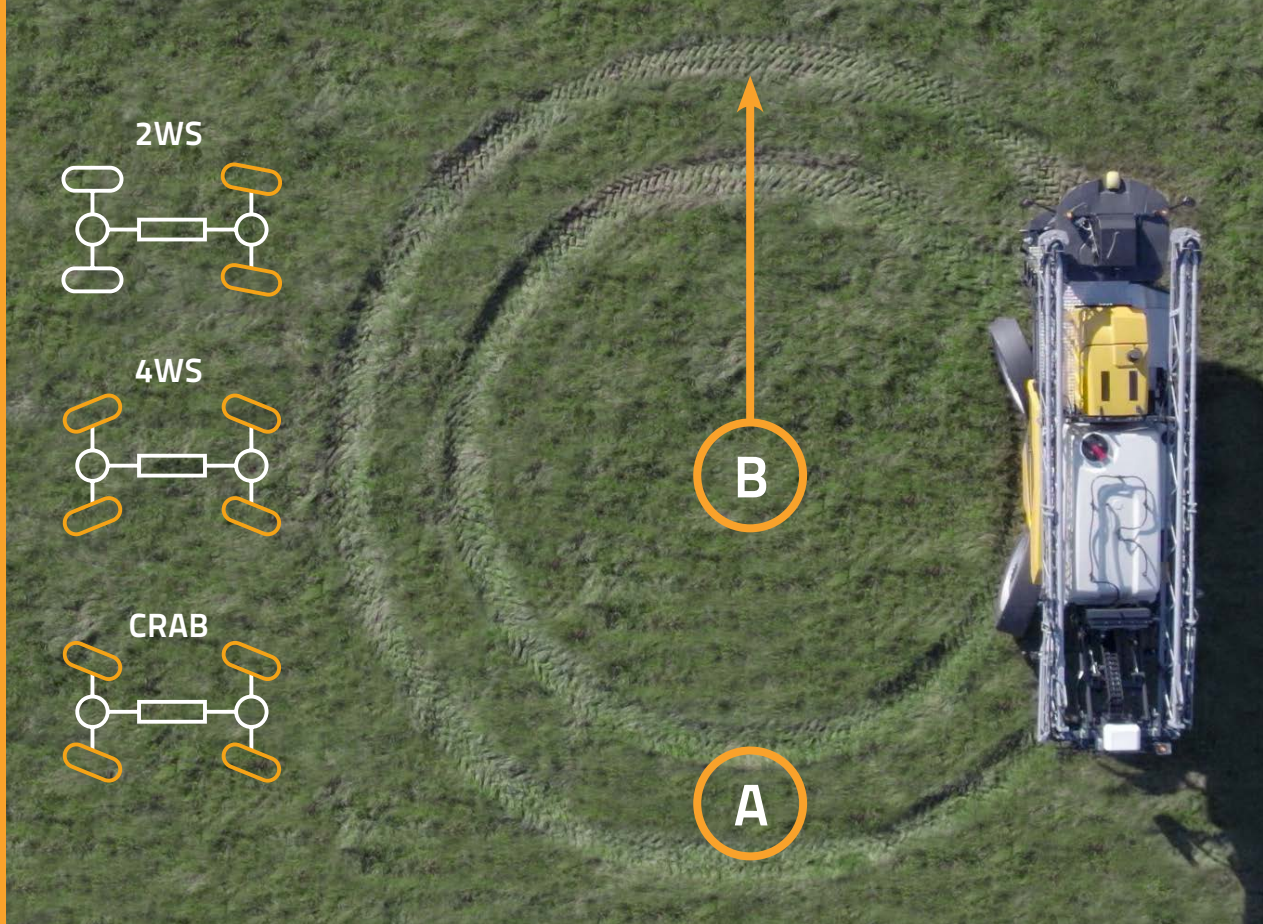
# 4 WHEELS STEERING

## Mazzotti S2C steering system

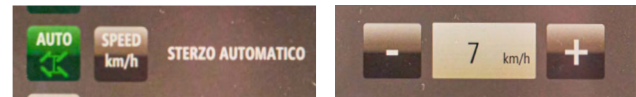
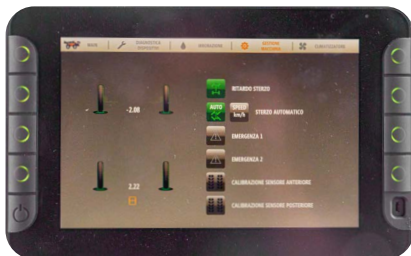
Dedicate software working in combination with Nr 2 oil pumps, Nr 4 Steering sensors, Nr 2 speed sensors. The rear wheels follow the front ones, leaving two path (A) on the soil, and grant a very tight outer steering radius (B) of 4200mm.

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

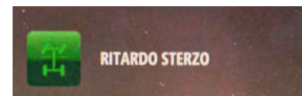
The software manages the speed of the rear steering wheels to align with the front ones. Higher the machine speed, slower the rear wheels steer to mirror the front ones



The 4 steering are activated/deactivated by a pedal in working mode. S2C software is automatically locking the rear wheels above 17 kmh, 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 MC offer different track solution to be confirmed at order time.

It can be equipped with straight drive axle with or Wide drive axle, both acting with welded rims or bolt-on rims.

## MAF32MC

### Standard Axle track <sup>(1)</sup>

### Wide Axle track <sup>(1)</sup>

Fixed track acting on welded rims	From 1800 to 2000mm	From 2000 to 2250mm
Fixed track acting on bolt-on rims	From 1600 to 2100mm <sup>(2)</sup>	From 1850 to 2250 <sup>(2)</sup>

(1) Track with wheels section 270/320/380mm

(2) Track with Bolt-on rims track to be agreed with technical office

The low position of the engine, together with the clearance of mm700 (Indicative with wheels 270/95R44), results in a very low barycenter. Making MAF 32MC suitable for a perfect use in hilly and horticultural conditions

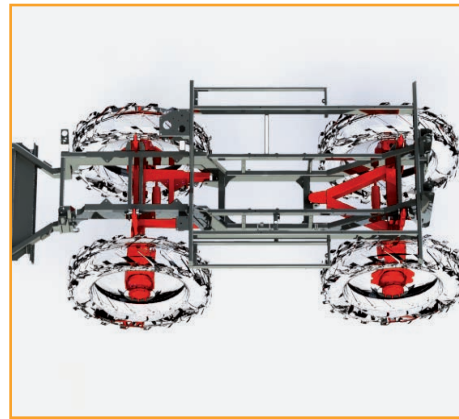
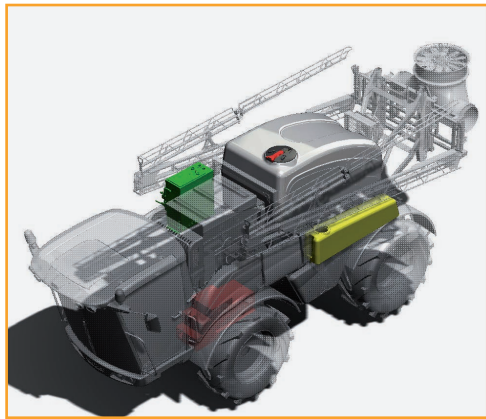




# WEIGHT DISTRIBUTION AND SUSPENSION SYSTEM

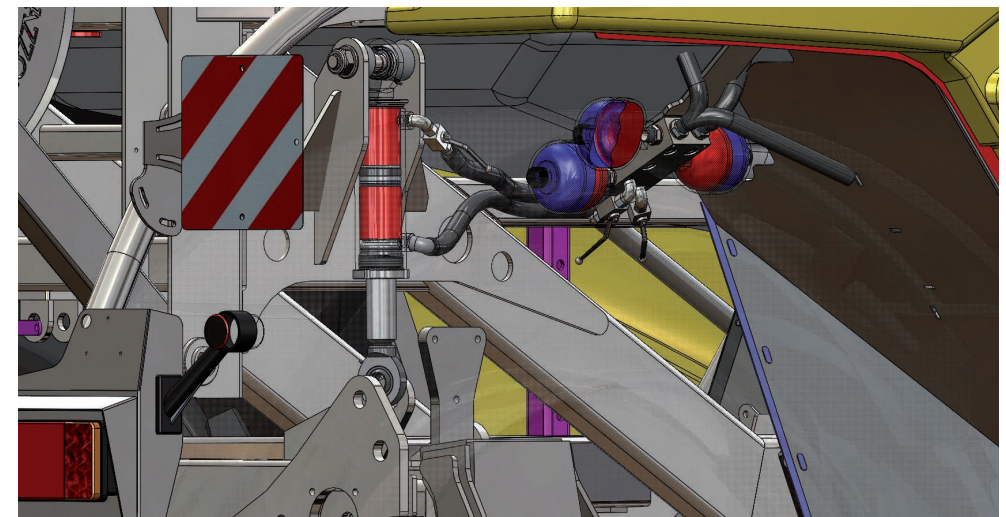
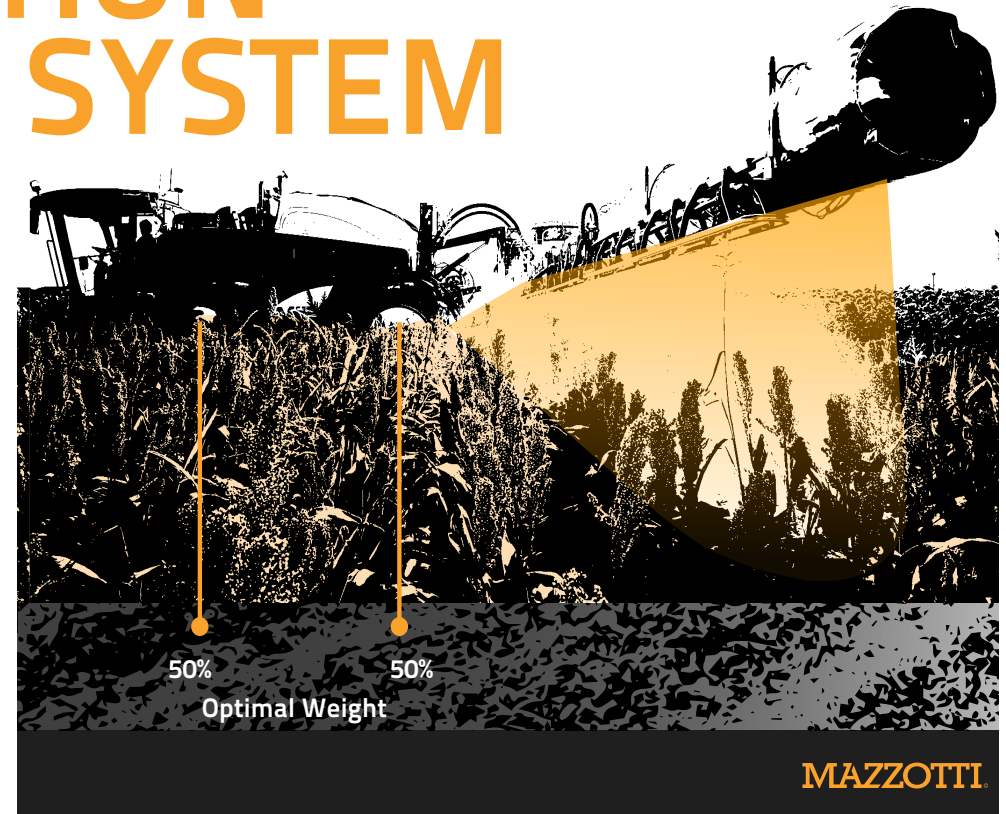
## Designed for Every Challenge

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



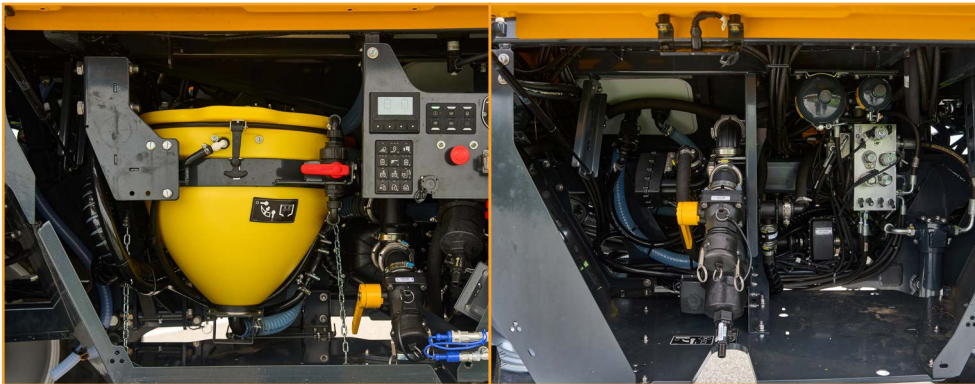
MAZOTTI 32 MC is equipped with polyethylene main tank of 3200 and polyethylene clean water tank. The position of tanks and components have been carefully studied during project phase to achieve an optimal weight distribution of 50% on each axle, in the worst conditions of full tank and open boom.

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.

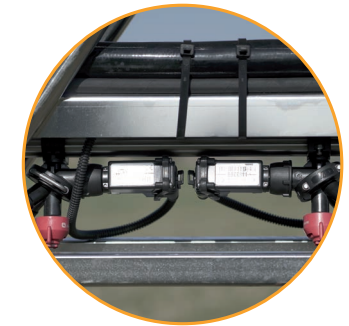
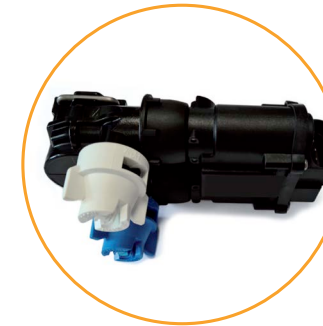
## Choice of monitor and spraying system

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

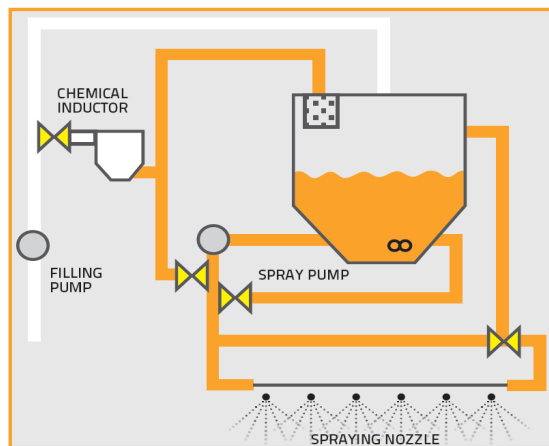
The M-Spray system allows precise control of the liquid, reducing waste and optimizing resource use. With the water circulation system, spraying is uniform and always ready for use, minimizing the risk of sedimentation and ensuring an even application across the entire boom length.

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.



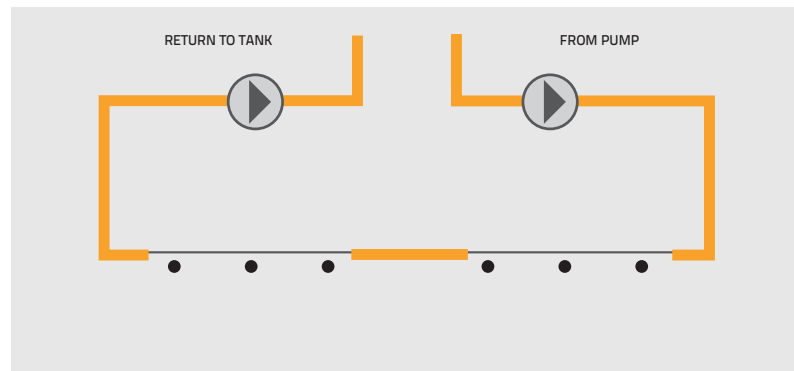
Concentrated start with pressure circulation



Start without circulation, sections located in center frame

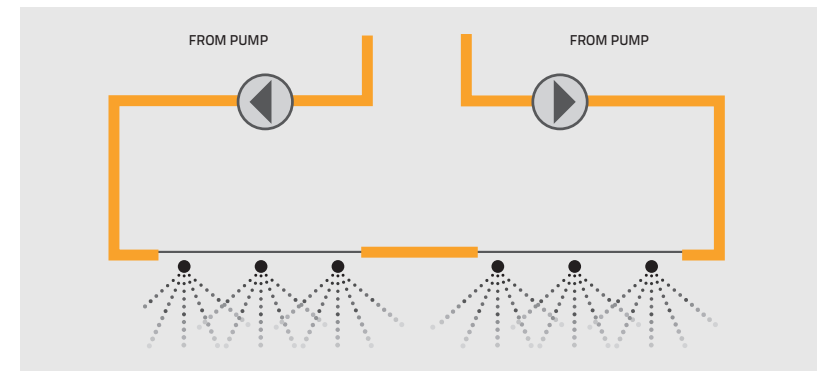


## PRESSURE CIRCULATION Electric single nozzle control.



### 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.

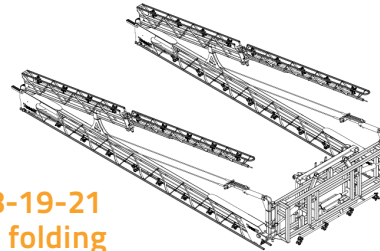


MK boom has been developed having small grain in mind. The MK boom is designed with a special profile which combines its minimum weight with maximum strength and stability. The central frame with two pivoting points allows the boom to freely balance around, arms are standard equipped with variable geometry and tilting

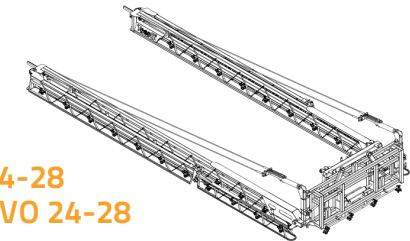
Ti-M is specifically designed for HVC, with the possibility to host the air assisted and with the variant EVO the nozzles spacing at 25 mt. Ti-M booms is available with optional stainless steel arms, now presented with further protection cycles to offer an increased protection, an easy washability, and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



**MK 24-28**  
2 arms folding



**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

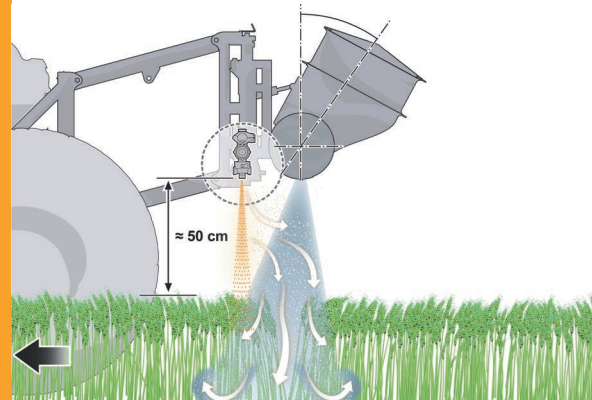
Both Ti-M and MK boom have a width in transport limited to 2550 mm, independently from the boom Length, allowing road circulation without width limitation

# AIR ASSISTED OPTION

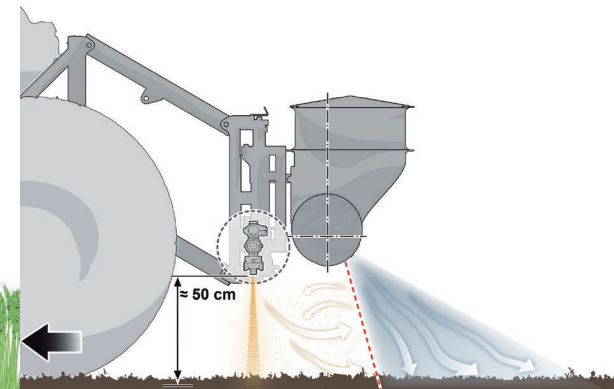
Offers excellent coverage of tall & leafy crops.  
Air curtain opens the crop & swirls the spray mist into the foliage. Ideal in salad, vegetable & potato crops.  
Air speed & angle adjustable from the cab.  
Excellent drift reduction.  
Obtaining a great quality of Job with spray effectiveness and a 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 MC is 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 it a true investment for the future of your business.



MODEL	A	B	C	D	E
<b>MAF 32MC</b>	7,6	3,70	0,7	3,1	2,55

## SPECIFICATION

## MAF32MC

<b>Engine</b>	John Deere 4 cylinders, 4,5 L, 173 hp( 129 Kw) Stage V - Peak Torque 667 Nm@1500rpm	
<b>Engine optional</b>	John Deere 6,8 L, 6 cylinders Stage IIIA 175 HP - where allowed	
<b>Cooling</b>	Water	
<b>Transmission Primary</b>	Hydrostatic Poclain pump	
<b>Transmission Final</b>	Mechanical differential DROMOS	
<b>Shift gears</b>	2 Hydrostatic speed + 2 differential speed	
<b>Transport/working speed</b>	Two speeds 0-20 km/h (in the field) 0-40 km/h (road transport)	
<b>Braking</b>	Integrated dynamic brakes	
<b>Parking brake</b>	Negative brake on rear wheel	
<b>Suspension</b>	Hydropneumatic on the 4 wheels	
<b>Tracking</b>	Fix Track 1800 to 2050 (acting on welded rims) with wheels 270/320/380mm section	or from 1600 to 2250 (acting on bolt-on rims) with wheels 270/320/380 mm section
<b>Clearance indicative</b>	mm 700	
<b>Indicative list of wheels</b>	300/95R42 320/90R42 340/85R38 380/80R38 420/85R34	460/85R34 540/65R34 600/65R34 710/55R30
<b>Steering radius inner/outer</b>	2600mm / 4200mm	
<b>Main tank capacity</b>	3200 l. (3420 l.)	
<b>Fresh water tank</b>	230 l.	
<b>Fuel tank</b>	300 l.	
<b>Premixer tank</b>	50 l.	
<b>Cabin</b>	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	
<b>Light</b>	Nr 6 transport Light + Nr 6 workign Lights	
<b>Ladder</b>	Hydraulic	
<b>Water system Mazzotti</b>	Water pump 330lt, Premixer 50 l. multifunciont manual valves on ground	
<b>Water system John Deere</b>	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	
<b>Boom</b>	TiM Stainless steel boom from 18 to 28mt, MK steel boom from 24 to 28mt	
<b>Spraying Controler</b>	ARAG or John Deere G5 monitor	
<b>Guidance system</b>	ATC Solsteer or Trimble (opt)	
<b>Weight from</b>	Kg 9300	



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