

LOADER EQUIPMENT & CONTROLS

MX 



Equipment for loaders

Our range of user friendly equipment and options, and their compatibility



Compatible equipment
& options



MACH SYSTEM

Instant electrical and hydraulic coupling - patented

Simple: The MACH SYSTEM® makes it easy to safely connect all hydraulic hoses and electric lines. Even under pressure, one easy movement is all it takes to connect.

Clean: The MACH SYSTEM® includes “non drip” NS flat face couplings that remove any risk of dirt getting into the hydraulic circuits or polluting the surrounding environment.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	✓	✓	✓	✓	✓	✓



MACH 2

Hydraulic loader/implement connection

Strong, reliable and easy-to-use, all couplings can be connected simultaneously in one simple action, even under pressure.

The MACH 2 system includes “non drip” NS flat face couplers that stop dirt from getting into the hydraulic circuits and prevent pollution contaminating the surrounding environment.

Finally, the unit's position on the carrier avoids any wear to hoses between implement and loader.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	✓	✓	✓	✓	✓	✓



Discover **EASY-PLUG**

EASY-PLUG

Decompression of additional functions (3F / 3F and 4F)

Quick and effortless – No need to switch off the tractor engine to release pressure!

Coupling/uncoupling the 3rd function is easier on U500 loaders (available as an option).

On T400evo loaders (as standard): coupling/uncoupling the 3rd function alone or the 3rd and 4th functions simultaneously is no longer an issue:

- Handle easily accessible from the front left-hand side of the loader
- Pressure-free connection/disconnection of Push-Pull couplings (even easier with a MACH 2)
- 100% mechanical system

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	×	×	✓	✓	×



SHOCK ELIMINATOR

Shock absorber

Shocks are eliminated during sudden loader movements, especially when lowering with heavy loads.

In-cab comfort: the ride is smoother. The driver feels no jolts in the cab. Compatible with MX front linkages.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	✓	✓	✓	✓	✓	✓



AUTO-UNLOAD

Synchronisation of bucket/grab movements

(with E-PILOT S thumbwheel control)

With a single movement the system makes combined simultaneous grab and bucket movements: opening the grab and dumping the bucket for fast and efficient unloading.

Fewer handling manoeuvres: The ability to synchronise two loader movements means half the number of operator handling inputs are required. This saves considerable time and increases productivity during repetitive tasks.

Clean working environment: the effect of the synchronised grab opening and dumping means that materials are carried further into the trailer and released at the last minute.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	×	×	✓	✓	✓

AUTO-LEVEL activation



AUTO-LEVEL

Automatic return to position

The AUTO-LEVEL® automatically resets the bucket to a preset position at the simple press of a button.

Fewer movements: Ideal to reduce the stress of repetitive movements to reposition the bucket before loading.

Greater freedom: The operator can focus fully on tractor manoeuvring.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	×	×	✓	✓	✓



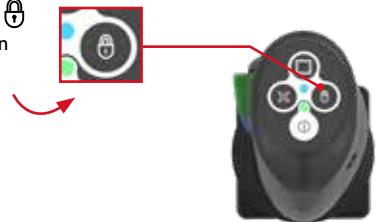
FAST-LOCK

Automatic hitching/unhitching of implements without hydraulic or electric functions (except A100 series).

Hitch and unhitch implements without leaving your seat – this is the convenience offered by the FAST-LOCK System®.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	✓	×	✓	✓	✓

FAST-LOCK activated by  a long press + 3rd function



SPEED-LINK 2

Automatic implement hitching/unhitching with hydraulic and electric functions

No need to get out of the tractor to change any working implements, even those with electrical and hydraulic functions.

- Change implements in seconds
- No hydraulic and electrical connection errors
- Implements will never become unhitched unexpectedly

All couplings are well protected with spring loaded covers which open & close during the (un)connecting process.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	×	×	×	✓	×

Except for the T418evo loader & mixed frames



WORK LIGHTS

Powerful spot lights located on the underside of the loader for night work and handling in poorly lit buildings

Additional lighting to the tractor for optimum visibility of the implement it's load.

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	×	×	✓	✓	×

NEW



ELECTROFIT READY

Electrical loader arrangement designed to easily retrofit options (4th function, FAST-LOCK, AUTO-UNLOAD and other future equipment, etc.)

	COMPACT	F300	A100	U500	T400evo	TX400
COMPATIBILITY	×	×	×	×	✓	×

▶ OTHER AVAILABLE EQUIPMENT AND OPTIONS

	COMPACT	F300	A100	U500	T400evo	TX400
3F	×	✓	✓	✓	✓	✓
4F	×	✓	✓	✓	✓	✓
Wiring loom on the loader for 4F electro	×	✓	×	✓	✓	✓
Dumping restrictor	×	×	×	×	✓	×
Independent 3 rd function supplementary line	×	×	×	✓	✓	✓
Lifting/dumping safety device	×	✓	✓	✓	✓	✓
Anti-drop device	✓	×	×	×	×	×
Specific loader colour	✓	✓	✓	✓	✓	✓
MX Graphite Grey colour	×	×	×	×	✓	×
Mixed implement carrier	×	✓	×	✓	✓	×

Key: ✓ : compatible equipment or option / × : non-compatible equipment or option

3F (3rd function): function required for implements using hydraulic power.

4F (4th function): function required for implements that need two hydraulic power sources.

Wiring loom on the loader for electrical 4th function on implement: electrical loader arrangement on the implement carrier when the 4th function solenoid valve is located on the implement.

Dumping restrictor: reduces the hydraulic flow rate for crowding and dumping. Essential for some bale handlers.

3rd independent function line supplement: additional hoses specifically for loaders requiring an independent 3rd function powered by an original 3-section tractor control valve. Installation of a MACH System 7 coupler is provided to connect all hoses between the tractor and the loader in one go.

Lifting/dumping safety device: the safety valves can be electrically disengaged from the cab when nobody is near the load (except A100). - Compatible with **SHOCK ELIMINATOR** Full loader performance maintained (power, speed, etc.) Essential if anyone is present in the vicinity of the load.

Anti-drop device: compulsory if the loader is fitted with a pallet fork and carrier

Mixed implement carrier frame: combination implement carrier frames are available: MX/EURO with FAST-LOCK included and EURO/SMS.



Controls

3 accurate and efficient control technologies for operating our loaders, front linkages, and implements



Controls



E-PILOT S THUMBWHEEL

ELECTRONIC CONTROL

Working closely with our users and paying careful attention to their needs, the E-PILOT S joystick has been developed to be user-friendly and can be perfectly integrated in the today's modern tractor cabs. A thumb-wheel upgrade is available to add a direct and progressive 3rd function.



— E-PILOT S button



FLEXPILLOT

LOW PRESSURE CONTROL

A control system that uses a low-pressure hydraulic circuit to actuate the control valve. The operator controls the oil flow. This smooth, progressive and accurate system reduces operator fatigue and is maintenance free.



PROPILOT

CABLE CONTROL

A simple system with mechanical cable control. This solution is robust with proven reliability.

▶ AVAILABLE EQUIPMENT AND OPTIONS

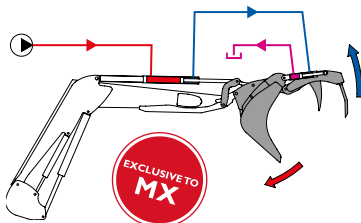
	PROPILOT	FLEXPILOT	E-PILOT S BUTTON	E-PILOT S THUMBWHEEL
	F300 / A100 / U500 / T400evo	A100 / U500 / T400evo	F300 / A100 / U500 / T400evo / TX400	U500 / T400evo / TX400
MACH System	✓*	✓	✓	✓
3F (if loader fitted)	✓	✓	✓	×
Direct and gradual 3F	×	×	×	✓
Continuous 3F (pumping)	×	×	✓	✓
4F (if loader fitted)	✓	✓	✓	✓
AUTO-UNLOAD (combined dumping/ 3F movements)	×	×	×	✓
AUTO-LEVEL⁽¹⁾ (implement reset; if loader fitted)	×	×	✓	✓
SMART-SHOCK (electronic shock absorber)	×	×	✓	✓
Original configuration tractor buttons (analogue wiring)	□	✓	□	□
Bucket shake	×	×	✓	✓
Hydraulic line arrangement for MX front linkages	×	✓	✓	✓

Key: ✓: standard equipment / □: optional equipment / ×: equipment not compatible / *: opt-out possible except on the T400evo

(1): except A100 / F300

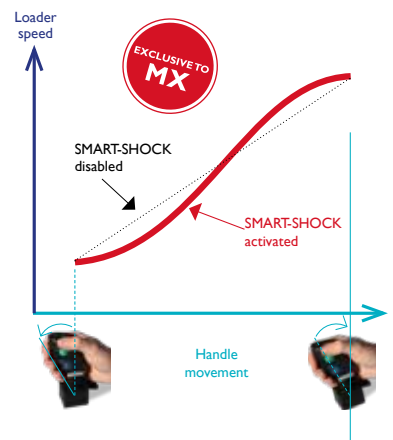
DIRECT AND PROGRESSIVE 3rd FUNCTION, WITH COMBINED MOVEMENTS

Controlled by a proportional thumbwheel on the E-PILOT S, enabling 3 movements to be combined simultaneously: lifting + dumping + 3rd function. The combined movement speed is always optimal thanks to the unique concept of hydraulic oil recycling.



SMART-SHOCK ELECTRONIC SHOCK ABSORBER

Alongside the **SHOCKELIMINATOR**, which uses a gas accumulator to absorb impacts experienced whilst driving, our **SMART-SHOCK** further reduces shocks, caused by sudden loader movements. Controlled by the E-PILOT S it electronically cushions the start and stop of each lifting or lowering movement of the loader.



CUSTOMISED INTEGRATION:



WITH PALM REST



ASSEMBLY IN THE
ARMREST SPACE



ASSEMBLY ON A MULTIFUNCTIONAL
ARMREST

Depending on the tractor cab's layout, the E-PILOT S is installed to suit the user with the following considerations:

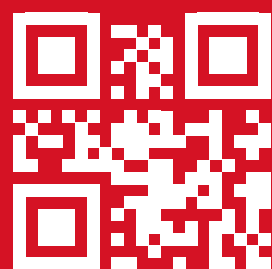
- Clean, straightforward integration
- Optimal positioning
- Smooth, easy control, by tracking the seat's movements

The mounting method and assembly instructions are therefore adapted to each specific tractor model.



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Find us at



www.m-x.eu



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