



LOADERS U300 Series

MX U303 / U304

MX U305 / U306

MX U307 / U308

MX U309 / U310

MX U312

MX 
RAISE YOUR EXPECTATIONS



We dare to innovate; in our relationships, in our techniques, in our products and services. Together with our business partners, our ambition is to exactly meet your needs by giving you product advantages that set us apart from the rest.

Using your valuable feedback combined with our 60 years of design experience, we have developed this innovative loader range that really can have a positive effect on your working day. Our ability to innovate makes us and our business partners the ones to turn to, offering handling solutions which are specifically tailor-made to your particular tractor model.

We take our commitment as a bench mark brand seriously and we are fully dedicated to maintaining our promise to offer high quality products and services. This philosophy is shared across the whole of our workforce and our business partners, who are working together to develop and maintain a lasting relationship with you: our customer.

With a comprehensive sales network we have the ability to react quickly. If you have a concern we will work hard to address it, if you have a suggestion we will always consider it for the future.

Our ambition is to exactly meet your needs. Our reactivity, co-operation and professionalism all combine to achieve this goal. Our commitment is to bring to you all of the advantages presented by our unique company through positive actions.

Raise your expectations



www.m-x.eu

VERSATILE
BY DEFINITION,
STRONG, EFFECTIVE
AND RELIABLE
BY NATURE



MACH System® - "non drip"
instant coupling of tractor to
loader hydraulic and electric lines.



Pivot pins with protected
grease nipples, easily
accessible from the side of
the loader.

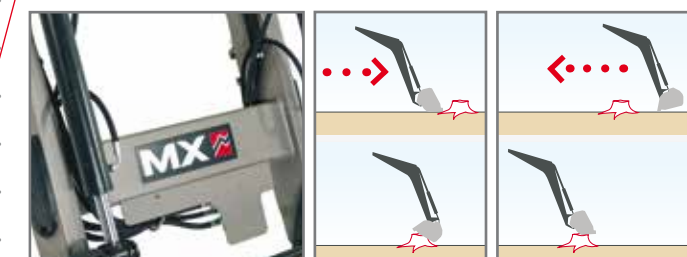


Implement positioning
indicator.



Crowding angle offering maximum efficiency: up to 71° at
1.20 m from the ground.

Hydraulic safety valve with dual anti-impact valve: full protection
against obstacles.



Automatic locking implement carrier: Well
positioned release handle.



FITLOCK System® for easy
drive-in hitching and unhitching,
requiring only one exit from the
cab.



Large pivot pins with anti-rotation system
for maximum durability.



Protected parking stands integrated
into the loader crossbar. Loader lift
clearance is not compromised.

End of travel
dump stop.



Heavy duty wear
bushes designed for
intensive use.



Instant connection of loader to implement
hydraulic lines with the MACH 2 System®.

HITCHING IS AUTOMATIC - UNHITCHING IS INSTANTANEOUS

Unique to the market!

FITLOCK System® allows quick and easy hitching and unhitching of the loader with only one exit from the tractor cab.

EXCLUSIVE TO MX 



SHARED COMPONENTS

The chassis brackets, hydraulic control valve and shock absorber* are all shared between the MX loader and MX front linkage.

*SHOCK ELIMINATOR, see page 12.

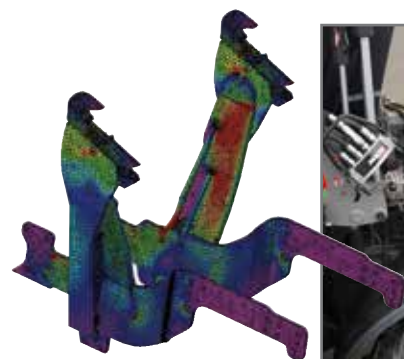


MACH SYSTEM



INSTANT 'NON-DRIP' TRACTOR TO LOADER ELECTRO/HYDRAULIC CONNECTION

With one simple movement, all the hydraulic and electric functions of the loader are fully connected, even under pressure.



BRACKET DESIGN - REAL EXPERTISE

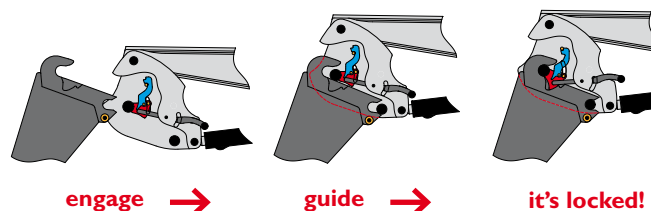
The backbone of the tractor/loader unit. Our sub-frame bracket is specifically developed for each individual tractor model and is designed to distribute stress loads uniformly across the tractor's structure.



TWIN LOCK MECHANISM



Locking of the loader is fully automatic, unlocking is by a conveniently positioned lever. The locking status is accurately communicated from inside or outside the cab by a highly visible indicator.



PARKING STANDS INTEGRATED IN THE CROSSBAR

The parking stands are stored away in the crossbar for full protection. The work height is fully maintained. The mechanism is carried out easily and effectively.

MX hitching/unhitching:

- > Only one exit from the tractor cab
- > Twin lock mechanism for added safety
- > Simple, quick and effective with minimum downtime

MECHANICAL PARALLELOGRAM INTEGRATED MODERN DESIGN



TOTAL VISIBILITY

The U-shaped mechanical self levelling bars blend perfectly into the loader's profile, a design feature that provides excellent visibility from the driver's seat.

A PARALLELOGRAM WITH PROVEN PERFORMANCE

The MX mechanical parallelogram enables perfect angle correction of the implement at all lift heights:

- > Safely keeps the load in the implement.
- > Works faster with the added benefit of automatic implement self levelling.

OPTIMUM CROWD PERFORMANCE

Exclusive to the U300 loader, the design of its parallelogram allows full crowd angle up to a lift height of 1.20 m.

The bucket is filled to its maximum level and the load is perfectly retained.



WITH OR WITHOUT PARALLELOGRAM

U300 Series loaders are available with mechanical parallelogram. Fully integrated in the loader arms, it guarantees good usability.



The MX mechanical parallelogram provides:

- > Full working visibility
- > Automatic implement levelling
- > Full crowding up to 1.20 m high

CONTROL, MX EXPERTISE



In our mind, a loader control system should be instinctive, accurate and comfortably positioned in the tractor cab. To achieve this, each individual tractor model is subject to a specific study.

EXCLUSIVE TO MX



A MULTI-FUNCTIONAL, ERGONOMIC MX CONTROL LEVER

Full of the latest technology, the MX control lever has been developed to perfectly suit your natural hand position. Additionally the lever has 2 extra buttons that can accommodate any auxillary function desired by the user (optional with PROPILOT and ECOPILOT).



Auxiliary buttons

*Depending on loader equipment

DOUBLE ACTING WITH MAINTAINED FLOAT POSITION

All MX control systems have double acting hydraulics with a maintained float position. They are designed to adjust to all types of hydraulic circuits on tractors currently available on the market.

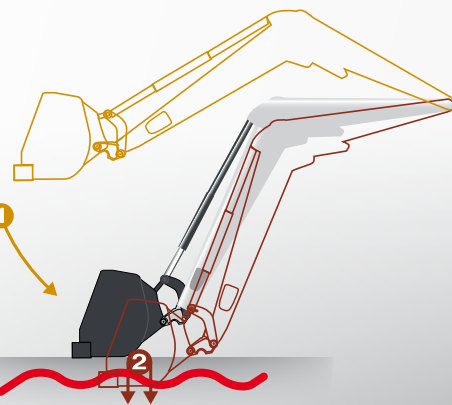
Combined multi-function movements become instinctive no matter what control system you choose.

Double acting

1

2

Maintained float position



CONTROL SUITED TO YOUR NEEDS



EXCLUSIVE TO MX



LOW PRESSURE HYDRAULIC CONTROL

Unique to the market this is a popular upgrade.

This system uses a low pressure hydraulic control lever that offers smooth, progressive and accurate control, and reduces operator fatigue. With no wearing parts it is maintenance free.

MACH System included



CABLE CONTROL

A simple control system operated by conventional mechanical cables. Cost effective and basic

MACH System included



ECOPILOT

ECONOMICAL CABLE CONTROL

Controlled using cables, the ECOPILOT control valve has the same features as the PROPILOT. However, it does not have the MACH System or the original disposition of power to the front linkage.

It is the most economical control available.

MACH System not included



CONNECTION TO THE ORIGINAL TRACTOR CONTROL VALVES

MX loaders can be connected to the tractors original control valves, either mechanical or electronic.

- MX control:**
- > Solutions for all operator needs and all tractor types
 - > Maintained floating position
 - > Low pressure hydraulic control that is unique to the market (FLEXPILOT)
 - > The possibility of controlling two auxillary functions (e.g. front linkage service lines)

GREATER EFFICIENCY, MORE COMFORT AND INCREASED SAFETY WITH MX EQUIPMENT



3th FUNCTION

For implements requiring one additional hydraulic service (hoses protected by dual anti-rub sleeves).



4th FUNCTION

Available for implements requiring two additional hydraulic services.

Mach2[®]

INSTANT MULTI-COUPLER FOR LOADER/IMPLEMENT HYDRAULICS

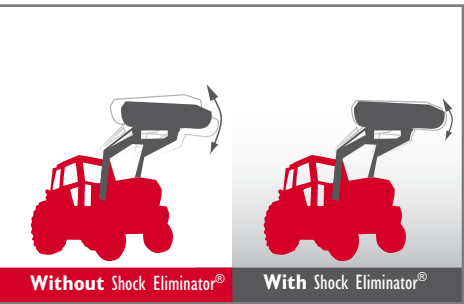
Strong, reliable and easy to use, it enables effortless connection of hydraulic service lines, even under pressure.



SHOCK Eliminator[®] SYSTEM

SHOCK ABSORBER

Reduces shocks and bounce caused when driving the tractor; increasing driver comfort.



LIFTING/DUMPING SAFETY DEVICE

This device is essential if people are staying around the load while you are working. In accordance with standard EN 12525-A2 2010, it can be disengaged for working when no one is near the load. You don't lose speed or power. Unique, this equipment is compatible with SHOCK ELIMINATOR System[®] and the maintained floating position.



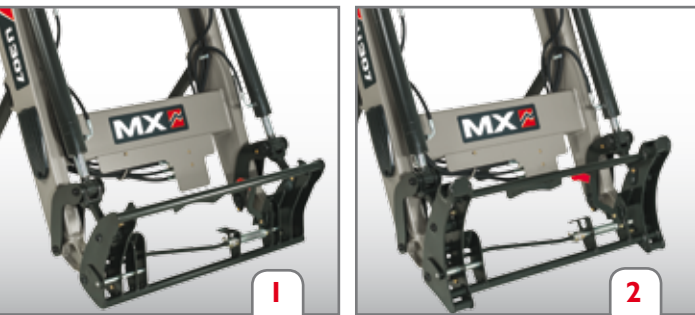
COLOUR CO-ORDINATE WITH YOUR TRACTOR

MX can paint the loader to match the tractor; the choice is yours!



IMPLEMENT HITCHING SYSTEMS TAILORED TO YOUR EXACT NEEDS

MX offers a wide range of implement carriers to accommodate the ever increasing need for frequent implement changes.



EURO CARRIER AUTOMATIC LOCKING (1)

Using the Euro implement carrier, implements are automatically locked by crowding the loader. To unlock simply operate the lever conveniently situated on the tractor's rear side. It is designed to guarantee the best possible crowding and dumping angles while enabling the use of large-size implements.



MX IMPLEMENT CARRIER (2)

Specifically designed for hitching your MX implements, this offers the same advantages as the Euro implement carrier.

MX/EURO CARRIER (3)

This combination implement carrier facilitates both MX and Euro hitching, without compromising crowd and dump performance.

Not compatible with FAST-LOCK System®.

MIXED EURO/SMS/ALÖ3 IMPLEMENT CARRIER (4)

Takes Euro, SMS and even Alö3 implements. Conversion is completed in just a few seconds, with no special tools necessary.

Compatible with FAST-LOCK System®.



EXCLUSIVE TO MX



ELECTRO-HYDRAULIC IMPLEMENT HITCHING/UNHITCHING

Hitch and unhitch implements without leaving your seat - this is the level of comfort offered by the FAST-LOCK System®.

This system operates independently of the 3rd function, which remains available for other movements.





PROFESSIONAL IMPLEMENT RANGE FOR EVERY TASK



GENERAL PURPOSE BUCKET (HEAVY DUTY) - BR

Suitable for a wide range of tasks when loading loose materials (eg. soil, cereals, gravel, fertiliser, etc.).
6 widths from 1.30 to 2.45 metres.



MULTI-PURPOSE BUCKET - BMS

Highly versatile implement for silage pickup and bulk loading, or even manure.
6 widths from 1.40 to 2.45 metres.



HIGH CAPACITY CEREAL BUCKET - BC

High volume bucket for loading cereals or other low density materials.
4 widths from 1.80 to 2.50 metres.



DIGGING BUCKET - BT

Heavy duty design for the most demanding jobs.
With bolted teeth or bolted wear blade, in 6 widths from 1.30 to 2.45 metres.



GENERAL PURPOSE BUCKET (STANDARD) - BRU

Simple cost effective design for everyday tasks.
4 widths, from 1.50 to 2.25 metres.



HIGH-TIP BUCKET - BRDS

For loading high sided lorries or trailers.
3 widths, from 1.80 to 2.50 m



4 IN 1 BUCKET - BQU

Highly versatile for landscaping, loading and snow clearing.
3 widths, from 1.50 to 2.10 metres

Find all MX
implements
and their detailed
features
at www.m-x.eu



web



SILAGE BUCKET - BCA

Specifically designed to handle maize silage and leave a clean, flat face on the clamp.
Width of 2.10 metres.



GENERAL PURPOSE GRAB - CGU

Effective for manure and silage, this implement guarantees performance and cleanliness.
5 widths from 1.20 to 2.00 metres.



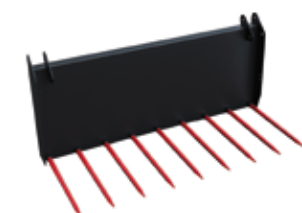
PALLET FORK - TR

Suitable for all pallet sizes. Delivered with standardised forks for a lifting capacity of 1,500 to 2,500 kg, depending on the model.



MANURE FORK (HEAVY DUTY) - BF+GF

Available with top grab. For heavy duty manure handling.
6 widths from 1.20 to 2.25 metres



MANURE FORK (STANDARD) - BFU

Simple, cost effective implement for everyday handling of manure.
4 widths from 1.20 to 1.80 metres

SPECIALIST IMPLEMENTS...



SILAGE BLADE



BRUSH GRAB



LIFTING HOOK



BALE GRABS – MANUBAL V

Safe and efficient handling of straw and hay bales.
6 models:
V40/V50/V500/W500/V60/V6000



BALE SPIKES – MANUBAL L

For simple handling of straw and hay bales.
3 models:
L40/L500/L6000



WRAPPED SILAGE HANDLING – MANUBAL C40

For handling silage bales without damaging plastic wrap.

FEEDING BUCKETS - BD

Cost effective, easy distribution of livestock feeds (silage, roots, grains and concentrates). Available with fixed tines, hydraulic grab or self feed rotor.



SINGLE DOOR

4 models, capacity from 1,200 to 2,400 litres



DOUBLE DOOR

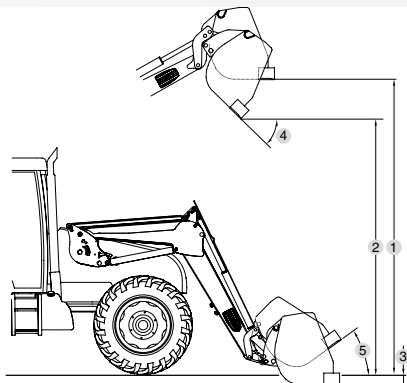
3 models, capacity from 1,400 to 2,400 litres

U300 Series

PERFORMANCE DATA



MECHANICAL PARALLELOGRAM	NO	YES	NO	YES	NO	YES	NO	YES	YES
NOMINAL TRACTOR POWER	35 - 65 HP	35 - 65 HP	45 - 70 HP	45 - 70 HP	60 - 90 HP	60 - 90 HP	75 - 110 HP	75 - 110 HP	95 - 150 HP
LIFT HEIGHTS									
Maximum height at implement pivot*	3.50 m	3.50 m	3.75 m	3.75 m	3.85 m	3.85 m	4.00 m	4.00 m	4.15 m
① Max. height under horizontal bucket	3.25 m	3.25 m	3.50 m	3.50 m	3.60 m	3.60 m	3.75 m	3.75 m	3.90 m
② Max. height under dumped bucket#	2.70 m	2.70 m	2.95 m	2.95 m	3.05 m	3.05 m	3.20 m	3.20 m	3.35 m
WORKING ANGLES									
④ Dump angle at full height#	52°	52°	52°	52°	55°	55°	55°	55°	55°
⑤ Crowd angle at ground level#	47°	47°	47°	47°	47°	47°	47°	47°	47°
DIGGING DEPTH ③	0.20 m	0.20 m	0.20 m	0.20 m	0.20 m	0.20 m	0.20 m	0.20 m	0.20 m
LIFT FORCE AT IMPLEMENT PIVOT, GROUND LEVEL*	1600 kg	1600 kg	1900 kg	1900 kg	2100 kg	2100 kg	2400 kg	2400 kg	2400 kg
LIFT CAPACITY AT IMPLEMENT PIVOT OVER THE ENTIRE LIFTING RANGE*	1400 kg	1400 kg	1500 kg	1500 kg	1900 kg	1900 kg	2200 kg	2200 kg	2200 kg
PAYLOAD CAPACITY ON PALLET AT 600 MM OUT ON FORKS									
At ground level:	950 kg	1180 kg	1150 kg	1400 kg	1750 kg	1650 kg	1600 kg	1780 kg	1825 kg
At 2 m from ground level:	970 kg	1220 kg	1000 kg	1380 kg	1650 kg	1650 kg	1550 kg	1780 kg	1825 kg
At 3 m from ground level	850 kg	1200 kg	900 kg	1350 kg	1550 kg	1650 kg	1525 kg	1780 kg	1825 kg
Max. height:	850 kg	1180 kg	860 kg	1350 kg	1500 kg	1650 kg	1500 kg	1780 kg	1825 kg
LIFTING TIME	3.3 s	3.3 s	3.9 s	3.9 s	4.6 s	5.4 s	5.4 s	5.4 s	5.4 s
DUMPING TIME	1.4 s	1.4 s	1.4 s	1.4 s	1.8 s	1.9 s	1.8 s	1.9 s	1.9 s
WEIGHT WITHOUT EQUIPMENT	400 kg	455 kg	445 kg	500 kg	475 kg	520 kg	510 kg	575 kg	595 kg



Specifications determined at 190 bar pressure and 60 litres/min flow rate.
Data may vary depending on the type of tractor being equipped.
*Only safe working loads apply. The figures at ground level and at the implement pivot axis are not to be used.
#Figures provided for a multipurpose bucket

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MXPower
application on your tablet



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