



RANGE **MSI**  
Semi-industrial **forklifts**

# Handling your world

Founded over 60 years ago by the Braud family, the Manitou Group now operates worldwide. A world leader in rough-terrain material handling, the Group designs, manufactures, distributes and services equipment for construction, agriculture and industries.

The Group's product ranges include: rough-terrain fixed, rotating and heavy-load telehandlers; articulated loaders, rough-terrain, semi-industrial and industrial masted forklift trucks; wheel or track skid-steer loaders; backhoe loaders; aerial work platforms; truck-mounted forklifts; warehousing equipment; and attachments.

Through its iconic brands – Manitou, Gehl and Mustang by Manitou – and its worldwide network of 1,500 dealers, the Group offers the best solutions to create optimum value for its customers.

With its registered office in France, the group recorded revenue of 1.9 billion euros in 140 countries and employs 4,400 people, all committed to delivering customer satisfaction.



1958

Marcel Braud conceives the idea of the Manitou truck.

1972

The Group enters foreign markets.  
Sales partnership agreement signed with Toyota for exclusive distribution of Toyota industrial forklift trucks in France.

1981

Launch of first Manitou telehandler.

1984

Manitou floated on stock exchange.

1993

First MRT rotating telehandlers are sold.

1995

Launch of first range of aerial work platforms.

1996

ISO 9001 certification obtained.

1998

Marcel Braud becomes Chairman of the Supervisory Board.

2007

Manitou opens an international logistics centre spanning 22,000 m<sup>2</sup>.

**3 brands**  
 distributed by  
 1,500 dealers  
 in 140 countries



- 28 companies
- 11 production facilities
- 4,400 employees worldwide
- 80% of revenue comes from foreign markets
- Revenue of 1.9 billion euros in 2018

2008

Takeover of the American company Gehl.

2009

Change of management and a return to a Board of Directors.

2010

Launch of Gehl and Mustang articulated loaders.

2012

Crossover agreement signed with Yanmar for the manufacture and distribution of mini-excavators.

2013

Consolidation of Yanmar partnership as Yanmar becomes a Group shareholder, with 6.26% of the capital.

2014

January: Michel Denis appointed President and CEO.  
April: A new roadmap is drawn up focusing on the three divisions, including one for services.

2015

Manitou celebrates the sale of its 500,000<sup>th</sup> machine worldwide.



2016

Launch of the new MLT range, NewAg.



2017

Inauguration of the new entity, Manitou Equipment India, specialising in compact loaders and backhoe loaders.



GRAVIER 3/8  
DE LOIRE

MANITOU

MSI



## Manitou semi-industrial forklifts (MSI)

The Manitou Group is spearheading the design of the first semi-industrial forklift. The brand has been able to develop and produce an unrivalled range of solutions.

MSIs are specifically designed to meet the needs of those customers with certain handling constraints:

- non-stabilised or degraded soil,
- long or bulky loads,
- a need for regulated working power or high precision when driving and approaching.

In a difficult environment and/or with specific loads to handle, the MSI is the best solution in terms of total cost of use compared to a traditional industrial forklift truck.

# PRODUCTIVITY

## Versatile machines

Drive your truck easily regardless of the nature of the terrain. The design of large wheels at the front combined with hydrostatic transmission confer high versatility to MSI.

With a capacity of 2.5 to 5 tons, the MSI is particularly easy and flexible to use; its stability and versatility bring comfort to operate both in warehouses and outdoor storage facilities, stabilised or not.



2

wheel drive

Hydrostatic  
transmission

Lifting capacity from

2.5 to 5  
tons

## Productivity & manoeuvrability

Thanks to MSIs' high-performance slope negotiation ability (24 cm ground clearance and gradeability over 35%), you can optimise handling in all your storage areas.

The ergonomics of the driver's cab and the manoeuvrability of the truck save you precious time.

The power of the engine combined with hydrostatic transmission enables a millimetre-accurate approach thereby offering you more precision.



### Handle with ease in tight spaces!

The steering axle offers a very short turning radius. This feature, along with the compactness of the truck, affords you exceptional mobility.

# RELIABILITY

## Robust truck & clearance

The monobloc chassis as well as the components have been designed for exceptional durability.

The masts are designed and manufactured by Manitou. They have been specially designed to meet the toughest of work requirements.

## A high-precision machine

Handle your loads as precisely as if you were doing so manually. The hydrostatic transmission provides very high accuracy, in complete safety. It also ensures a very smooth driving experience, even on unprepared ground, and double dynamic braking.







## Levers



Close to the seat, the cross levers (standard) combine the functions of lifting, lowering and tilting the mast.

MSIs have an automatic acceleration system for lifting the mast, independent of the translation.

As an option, MSIs can be equipped with a JSM.\* That way you control all of the machine's hydraulic functions – all in the palm of your hand!

\* Joystick switch movements



## Stability

The stability of MSI trucks, optimised by the track width / wheelbase ratio, allows you to handle long loads or several pallets at once, in complete safety – a feature strengthened by the rear tilt of the mast (10°-12°) combined with the truck's very low centre of gravity.

# COMFORT

## Access convenience

Do you climb in and out of your machine several times a day?

Manitou has redesigned the layout of the transmission and the pedals to optimize ground clearance whilst facilitating accessibility.

Available in versions 2.5 to 3.5 T.



## Machines that are easy to use and maintain

For maintenance, components can be accessed behind the seat.

Being able to access the entire engine compartment facilitates maintenance operations, reduces intervention time and therefore reduces the cost of maintaining the equipment.





MS140/50 cab

## User comfort

Work more comfortably with the MSI series.

Noise is the main contributor to fatigue among forklift drivers. That's why the driver's cab in an MSI is isolated from noise, heat and vibrations. MSI are the only machines on the market with a seat in front of the engine.

Keep control of your handling while driving, even on rough terrain.

The single joystick (JSM) and its intuitive ergonomics make it possible to concentrate all the commands: lifting, lowering and tilting the mast as well as reversing shift in your right hand.

As standard, the machine is equipped with:

- an adjustable suspension seat,
- an adjustable steering column.

With the closed cab (optional):

- heating
- air conditioning
- fabric seat



## Optimal visibility

Nothing escapes your vigilance. MSIs are equipped with a "total visibility" panoramic roof. The operator will therefore benefit from an optimal view, particularly when handling loads high up.

Low visibility has been studied in particular, resulting in a reworked dashboard that contributes to constant visibility of the tip of the forks.

**Safety first.**



## For all your applications!

The MSI range is perfectly suited to semi-industrial applications. The tyres, power and robustness of the machines are intended for intensive use.

# MSI

Sawmills, paper and beverage industries, industrial waste and auto recycling, manufacturing and distribution of materials on pallets or in bulk, port operations, etc.

Even on degraded soil

## Versatile machines

According to your activity, Manitou has models perfectly suited to your needs.

The high capacity, combined with the reliability and engine power of MSIs, facilitates the handling of loads: raw materials, construction wood and materials.

MSIs are also offered in buggy version (overall height of the machine lower than 2 m), ideal for moving in height-restricted spaces like containers.



# Selection of options and attachments

## Tyres

The choice of your tyres is crucial for the performance and total cost of ownership of your machines. Select your mount from a wide range!

Low pressure tyres absorb shocks caused by crossing pavements, potholes, etc., ensure perfect grip on slippery ground and reduce your machine's impact on the ground.

Industrial or mixed mounts, with or without (tubeless) an inner tube, enable the performance of your MSI to be optimised under ground constraints, regardless of whether the ground is stabilised.



The chassis design allows the chains to pass through and ensures optimum traction in extreme conditions.

## Attachments

Various attachments are available to meet your different application needs:

- side-shift carriage,
- fork positioner,
- bale, waste clamp,
- bucket,
- mono-multi forks,
- handlers,
- big bag, etc.



Fork positioner



Waste clamp

Note: These attachments require 3 or 4 hydraulic movements so allow for levers and distributors fitted up to the attachment mounting system when placing your order.

## Tilting forks carriage

Unique solution on the market for 2.5 to 3.5 ton MSIs equipped with a full visibility duplex mast. With the tilting forks carriage, it's possible to change attachments ultra fast and without the need to get out from the cab (hydraulic locking optional).

The working and hygiene conditions are optimal for the operator.

Also available in bucket version. The 66° tilt angle of the forks carriage makes it easier to fill and dump materials with great precision.



## Specific solutions

to respond to your specific needs:

- Custom painting
- Specific attachment or equipment
  - Additional sensors
  - Safety cameras, etc.






		MSI 25	MSI 30	MSI 35	MSI 40	MSI 50
<b>MASTS</b>	Full Visibility Duplex (FVD) Mast	S	S	S	S	S
	Free Lift Triplex (FLT) Mast	0	0	0	0	0
	Full Visibility Triplex (FVT) mast	0	-	-	-	-
<b>ATTACHMENTS</b>	Sideshift carriage	0	0	0	0	0
	Load backrest	0	0	0	0	0
	Double side-shift carriage	-	-	-	0	0
	Fork positioner	0	0	0	0	0
<b>HYDRAULICS KITS AND DISTRIBUTORS</b>	Quick hydraulic couplers	0	0	0	0	0
	JSM 3 hydraulic functions	0	0	0	0	0
	JSM 4 hydraulic functions	0	0	0	0	0
	Levers 3 hydraulic functions	S	S	S	S	S
	Levers 4 hydraulic functions	0	0	0	0	0
<b>CAB/COMFORT</b>	Tuner / USB / Bluetooth radio	0	0	0	0	0
	Complete cab	0	0	0	S	S
	Overhead guard without Front & Rear glass panel	S	S	S	-	-
	Open cab	0	0	0	-	-
	Buggy (low height) overhead guard & cab	0	0	0	-	-
	Heating	0	0	0	-	-
	Air-conditioning	0	0	0	0	0
	Panoramic roof	S	S	S	-	-
	Adjustable steering column	S	S	S	S	S
	Front and rear windscreen wiper & front windshiel washer	0	0	0	S	S
	Windscreen wiper on roof window	-	-	-	S	S
	Sun visor on glass roof	0	0	0	S	S
	Document holder	0	0	0	0	0
	Plastic mechanical seat	S	S	S	S	S
	Plastic air-suspended seat	0	0	0	-	-
Fabric air-suspended seat	0	0	0	0	0	



		MSI 25	MSI 30	MSI 35	MSI 40	MSI 50
<b>LIGHTS</b>	Complete road lighting (front and rear)	0	0	0	0	0
	LED rotating beacon	0	0	0	0	0
	LED front/rear right and left working lights	0	0	0	0	0
<b>SAFETY</b>	Safety belt	S	S	S	S	S
	Self-cleaning pre-filter	0	0	0	0	0
	Cyclonic pre-filter	0	0	0	0	0
	Balancing valve on tilting cylinder	0	0	0	0	0
	Battery cut off	S	S	S	0	0
	Audio warning in reverse	0	0	0	0	0
	Fuel tank tacting cap	0	0	0	-	-
	Emergency stop button	S	S	S	-	-
	Anti-theft predisposition	0	0	0	S	S
	External right & left rear-view mirror	0	0	0	S	S
Internal rear-view mirror	S	S	S	0	0	
<b>PRODUCTIVITY</b>	Shock absorber	0	0	0	S	S
	Differential lock	-	-	-	S	S
	Hydraulic inching function	S	S	S	S	S
	Lifting acceleration	S	S	S	-	-
<b>TYRES</b>	Spare wheel	0	0	0	0	0
	Tyre foam inflation	-	-	-	0	0
<b>MISCELLANEOUS</b>	Front fender flares extensions (metal)	0	0	0	0	0
	Rear fender flares extensions (metal)	0	0	0	0	0
	Special colour paint	0	0	0	0	0
	Cold environment fuel	0	0	0	-	-
	Connected solution	S	S	S	S	S

Specifications may vary according to the regulations in force in the country of use or with the addition of optional equipment. Manitou is constantly researching and developing new products and reserves the right to make any changes without prior warning.



## Semi-industrial



### **MSI 25**

Capacity	kg (lbs)
Engine power	kW (HP)
Max. lifting height	m (ft)
Centre of gravity	mm (ft)
Carriage class	
Dimensions from (L x W x H) <sup>(1)</sup>	m (ft)
Aisle width from	m (ft)
Turning radius from	m (ft)

2500 (5500)
36 (48.3)
7 (23')
500 (1'08")
FEM 2A
3.04 x 1.33 x 2.09 (10' x 4'04" x 6'1")
4.59 (15'01")
2.62 (8'07")

### **MSI 30**

3000 (6600)
36 (48.3)
7 (23')
500 (1'08")
FEM 3A
3.08 x 1.33 x 2.09 (10'01" x 4'04" x 6'1")
4.63 (15'02")
2.65 (8'08")

### **MSI 35**

3500 (7700)
36 (48.3)
7 (23')
500 (1'08")
FEM 3A
3.13 x 1.33 x 2.09 (10'03" x 4'04" x 6'1")
4.66 (15'03")
2.68 (8'1")

(1) Height of driver protection in cab version 1.99 m.



## **MSI 40**

4000 (8800)
55 (73.8)
6 (19'08")
500 (1'08")
FEM 3A
3.29 x 1.73 x 2.06 (10'1" x 5'08" x 8')
4.76 (15'07")
2.87 (9'05")

## **MSI 50**

5000 (11000)
55 (73.8)
6 (19'80")
600 (2')
FEM 4A
3.38 x 1.73 x 2.44 (11'01" x 5'08" x 8')
5.04 (16'06")
2.95 (9'08")







## **Manitou is here to help!**

To enable you to benefit from an operational forklift all year long, Manitou offers a wide range of products and services that are suited to all your needs.



## Daily expertise and service

Your MANITOU dealer can guarantee a complete range of services at all stages of your machine's life and is there to provide support and meet your needs, always looking to provide you with the best solution.

## 1,500 dealers at your service

The Manitou network is present in more than 140 countries. In total, there are more than 8.000 expert technicians who are specially trained in Manitou technology and who are at your service to assist with purchasing or after-sales.



- Dealership network**  
A network of experts at your service, whatever your field (agriculture, construction, industry).
- Maintenance contracts**  
Three levels of contract that are tailored to your needs: Initial, Advanced and Excellence. Entrust the maintenance of your equipment to your dealer.
- Financing**  
Hire or purchase? Whatever your business, simplify your investment with Manitou Finance financing or leasing solutions.
- Warranty extension**  
With Maniplus, you can extend the cover of your Manitou for up to five years. Use your equipment with peace of mind.
- The connected solution**  
Easy MANAGER is a simple and flexible tool for managing, optimising and securing the operational monitoring of your machines.
- Second-hand products**  
In the market for second-hand equipment? The Manitou network is here to help. Just visit your dealer or [used.manitou.com](http://used.manitou.com), our reference site for second-hand Manitou machines.
- Original spare parts**  
With more than 70,000 products available, your Manitou dealer offers expertise and service on a daily basis!

Your dealer:



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