



ENVIRONMENT

Solutions





Sustainable partner in an innovating world

A main player in the environment business

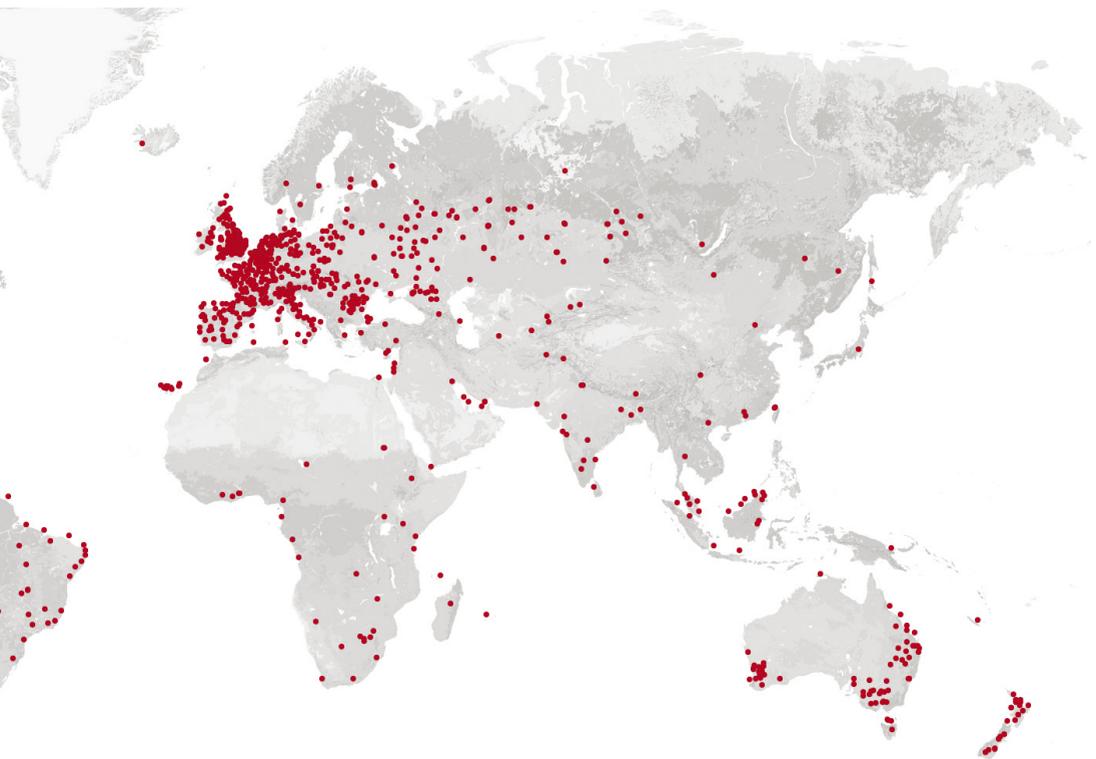
For over 20 years, we understand your issues about safety, workflow management and productivity related to waste management, water treatment, and renewable energy markets.

Manitou Group researches, designs, and manufactures a wide range of dedicated machines, well known for their reliability, performance and robustness. They prove themselves day after day in the most extreme working conditions.

Our network of 1,400 expert dealers provides you with services essential to your business, including after-sales support, maintenance, training and financing.

With capacities from 0,5 to 40 tons (t) (from 1,100 to 80,000 pounds (lbs.)) and lift heights from 6 to 43.3 meters (m) (19'60" to 142'), Manitou Group has the solution to all your material handling needs.





3 brands
distributed through
1,400 dealerships
in 140 countries

 |  | 





Corporate Social Responsibility 6

Reduce program 7

Manitou group range 8

Manitou service range

1.1 Spare parts 14
 1.2 Training 15
 1.3 Financing and renting 16
 1.4 Maintenance 17
 1.5 Warranty extension 18
 1.6 Fleet management 19



Waste management

2.1 Paper / Cardboard 22
 2.2 Glass 26
 2.3 Metal scrap 28
 2.4 Green waste - Composting 30
 2.5 Industrial waste 32
 2.6 Plastics 34
 2.7 Tyres 36
 2.8 Hazardous waste 38
 2.9 Household waste 40
 2.10 Landfill and storage 42
 2.11 Vehicles 44
 2.12 Demolition 46
 2.13 WEEE 48
 2.14 Wood recycling 50

Water treatment

3.1 Applications 54
 3.2 Pipes - Heavy loads 56
 3.3 Silt by-product 58

Renewable energy

4.1 Biogas 62
 4.2 Biomass 64
 4.3 Solar energy 66

Cleaning

5.1 General solution 70

Warehousing

6.1 Warehousing and storage 74

Industrial maintenance

7.1 Maintenance 80

Options

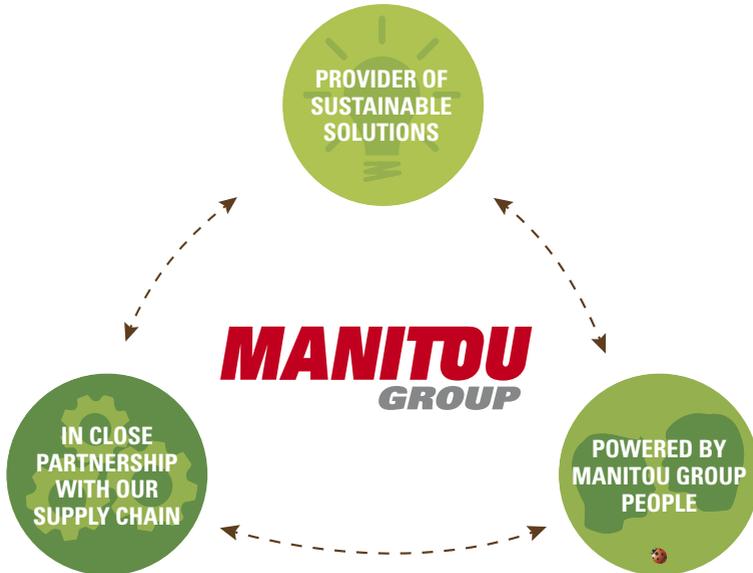
8.1 Tyres 84
 8.2 Load weighing 85
 8.3 Lighting 86
 8.4 Safety 87
 8.5 General protection 88
 8.6 Camera, pedestrian detection 89
 8.7 Engine and filtration 90
 8.8 Hydraulics 91
 8.9 Cab 92

Compatibility 94



Our Elevation Plan: 3 MAJOR COMMITMENTS

Monitored in an operational action plan
To meet the challenges facing us



Number 1 at GAÏA INDEX

November 2014

Manitou Group ranked first in the Gaïa Index for the industrial sector and third in the sector for companies with a turnover of more than € 500m.

Gaïa-index is a stock market index composed of 70 better notations regarding RSE, among 230 listed companies in the Paris Stock Exchange (excluding CAC 40).

Grand Prix for Companies and the Environment

Décember 2014

Manitou Group was awarded, by ADEME and by the Ministry for Ecology, Sustainable Development and Energy, in the category "Management and initiatives for sustainable development", REDUCE programme in particular.

Signatory to the United Nations Global Compact

June 2015

The UN Global Compact calls for companies to voluntarily align the companies' strategies and activities with 10 universal principles on human rights, labour, environment and anticorruption, and take actions that advance societal goals.

TOGETHER, LET'S REDUCE OUR CARBON FOOTPRINT



The material handling sector has not yet got a normalised cycle to measure the trucks' energy consumption. Manitou Group clearly shows its commitment to transparency by establishing an internal protocol, accessible to all, that can reveal its own measures of consumption (l/h) and CO2 emissions (kg/h). To provide the highest reliability, the data is checked and approved by an independent body, UTAC* specialized in the registration of vehicles and equipment.

SUSTAINABLE SOLUTIONS

To be THE material handling reference is to commit to innovate to offer you safe, efficient and sustainable solutions today and tomorrow.

TOGETHER

Manitou Group would like to accompany you in reducing your trucks fuel consumption to help cut back your carbon footprint.

INFORM

We have developed information and awareness tools (product labels, iPad simulator...) to inform you about our trucks' fuel consumption and emissions.

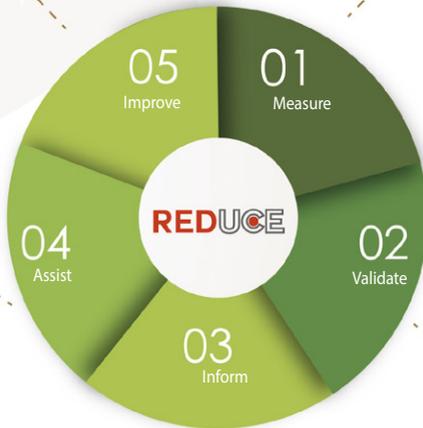
TEST PROTOCOL

Consumption measurements are performed on four representative activities of a telescopic forklift: handling, bulk loading, idle and road work.



APPROVED PROCEDURES

To validate orientations adopted by the Group in terms of fuel consumption, we wanted to validate our procedures via a recognised external body.



Calculate your fuel consumption:
<http://reduce.manitou.com>



*UTAC: Technical Union for the Automobile, Motorcycle and Cycle Industries performs official duty cycles in the automotive sector. UTAC is the only French Technical Service notified to the European Commission and the UNO for fuel consumption.

Manitou group range



Range	Compact telehandlers	Rough terrain forklifts	Medium and high lift telehandlers
Max. capacity t (Lbs)	6 (13,228)	7 (15,400)	4 (8,819)
Lift heights m (ft)	9,6 (31'6")	6,5 (21'3")	17,55 (57'7")
Brand	Manitou	Manitou	Manitou



Range	Pallet trucks	Stackers	Electric forklifts
Max. capacity t (Lbs)	5 (11,000)	2 (5,500)	3 (6,600)
Lift heights m (ft)	-	5,4 (17'7")	6 (19'7")
Brand	Loc	Loc	Manitou



Range	Skid loaders	Track loaders	Articulated loaders
Max. capacity t (Lbs)	1,8 (4,000)	0,9 (2,100)	1,2 (2,560)
Lift heights m (ft)	3,6 (144")	3,25 (128")	3 (120.3")
Brand	Gehl / Mustang	Gehl / Mustang	Gehl / Mustang

ENVIRONMENT SOLUTIONS



Heavy duty telehandlers	Rotative telehandlers	Aerial work platform *
40 (88,106)	5,5 (12,125)	3 pers
13,6 (44'60")	31,6 (103'67")	27,75 (91'1")
Manitou	Manitou	Manitou



Semi industrial forklifts	Industrial forklifts	Telescopic / masted mounted trucks
5 (11,000)	3,5 (7,700)	2,7 (5,940)
6 (19'7")	6,5 (21'3")	3,9 (12'8")
Manitou	Manitou	Manitou



Telehandlers**	Compact excavators**
5,4 (12,000)	4,7 (10,417)
16,8 (55.1")	3,55 (11'7.8")
Gehl / Mustang	Gehl / Mustang

* Some models are unavailable in North America

** Except Europe



Services Manitou range

Choosing Manitou Group equipment means above all opting for a complete solution. Manitou supports its customers throughout the world with the help of its 19 subsidiaries and a network of 1,400 dealers in more than 120 countries.

We respond to your needs over the entire life cycle of your machines.









■ **Dealer network**

A network of experts at your service, whatever your activity (agriculture, construction, industry).

■ **Maintenance contracts**

3 levels of contracts which are tailored to your specific needs: Initial, Advanced, and Excellence. Leave maintenance to your Manitou dealer.

■ **Financing**

Buy or rent?

Whatever your business, simplify your investment with Manitou Finance's financing or leasing solutions.

■ **Warranty extension**

With Maniplus, you can extend coverage on your Manitou for up to 5 years. Use your machine with full peace of mind.

■ **The connected solution**

Easy Manager is a simple and flexible tool for managing, optimizing and securing the operational monitoring of your machines.

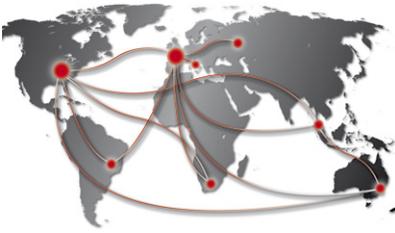
■ **Used**

In the market for second-hand equipment? The Manitou network can help you. Visit your local dealership or manitou.used.com, our dedicated reference site for second-hand machines.

■ **Genuine spare parts**

With more than 125,000 parts available, your Manitou dealer never fails to give you expertise and service you need!

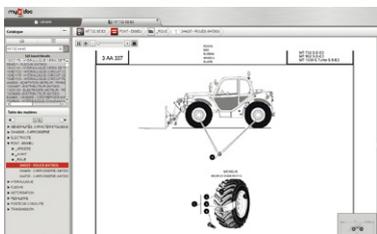
Spare parts



Our 8 spare parts centres



Spare parts centre



My Edoc



Overview

The Manitou Group has developed brands specialised in the maintenance and repair of your machines:

MANITOU, for original parts for your MANITOU machines, and XPRT, spare parts for GEHL and MUSTANG machines.

Availability, delivery and technical support

- 8 regional distribution centres to cover the entire globe and deliver between 24 and 48 hours
- More than 125,000 specific parts in stock, with an availability rate of 95%
- Parts available on the shelf through our network of 1,400 dealer locations
- Standard or custom-tailored transportation solutions
- Hotline and technical support from our network for spare parts recommendations and advice
- Availability of parts guaranteed for more than 10 years after the end of series life

Tips

By systematically employing original spare parts, you ensure the long-term performance of your machine

Training



Training centres

Overview

- 13 training centres throughout the world
- On-site customised training upon request
- More than 600 training sessions per year
 - maintenance of the machines and attachments
 - attachment utilisation
 - operator training



Training on-site



Training centre



Training in the training centre

Tips

Training your employees for increased safety during work

Financing and renting

MANITOU
FINANCE

Overview

MANITOU Finance provides flexible finance solutions tailored to your business needs. Offering a range of products including Hire Purchase, Finance Lease and Contract Hire, you can be sure that we have an option to suit you.

- Credit
 - owner of the machine at the end of the contract
 - choice of the duration between 2 and 7 years and the rate type
 - seasonal financing plan
- Leasing
 - choice of the duration
 - owner at the end of the contract
- Renting
 - choice of the duration between 1 and 5 years
 - option of integrating other services into the monthly fee (maintenance, warranty extension)
 - investment capacity preserved
- Full-service leasing
 - choice of the duration between 1 and 5 years
 - periodic maintenance
 - any necessary repairs

**available in specific countries only. Check with your dealer for eligibility*

Maintenance



Overview

- Maintenance contracts provide support by a qualified technician through regular maintenance operations and preventative inspections as indicated by the manufacturer.
- Our dealer network can offer various types of maintenance contracts. This ensures that:
 - your equipment is always in an optimal state of maintenance
 - repair costs are kept to a minimum thanks to regular check-ups - all maintenance work is compliant
- "Tailor made" maintenance contracts are available upon request, to suit your needs through our Manitou dealer network.

Warranty extension



Overview

Warranty extensions prolong the coverage of your equipment of up to 5 years. More peace of mind, more safety:

- support for parts and labour
- ensuring optimum use and minimum downtime
- increased value at resale. Use your equipment with peace of mind!

XPRT™

PROTECTION PLAN



Tips

With a maintenance contract you are guaranteed the optimal use of your equipment with a minimum of downtime.

Fleet management



Overview

Keep an eye on your machines wherever you are! Easy Manager allows you to manage, optimise and secure your machine in real time and remotely.

3 simple and flexible options:

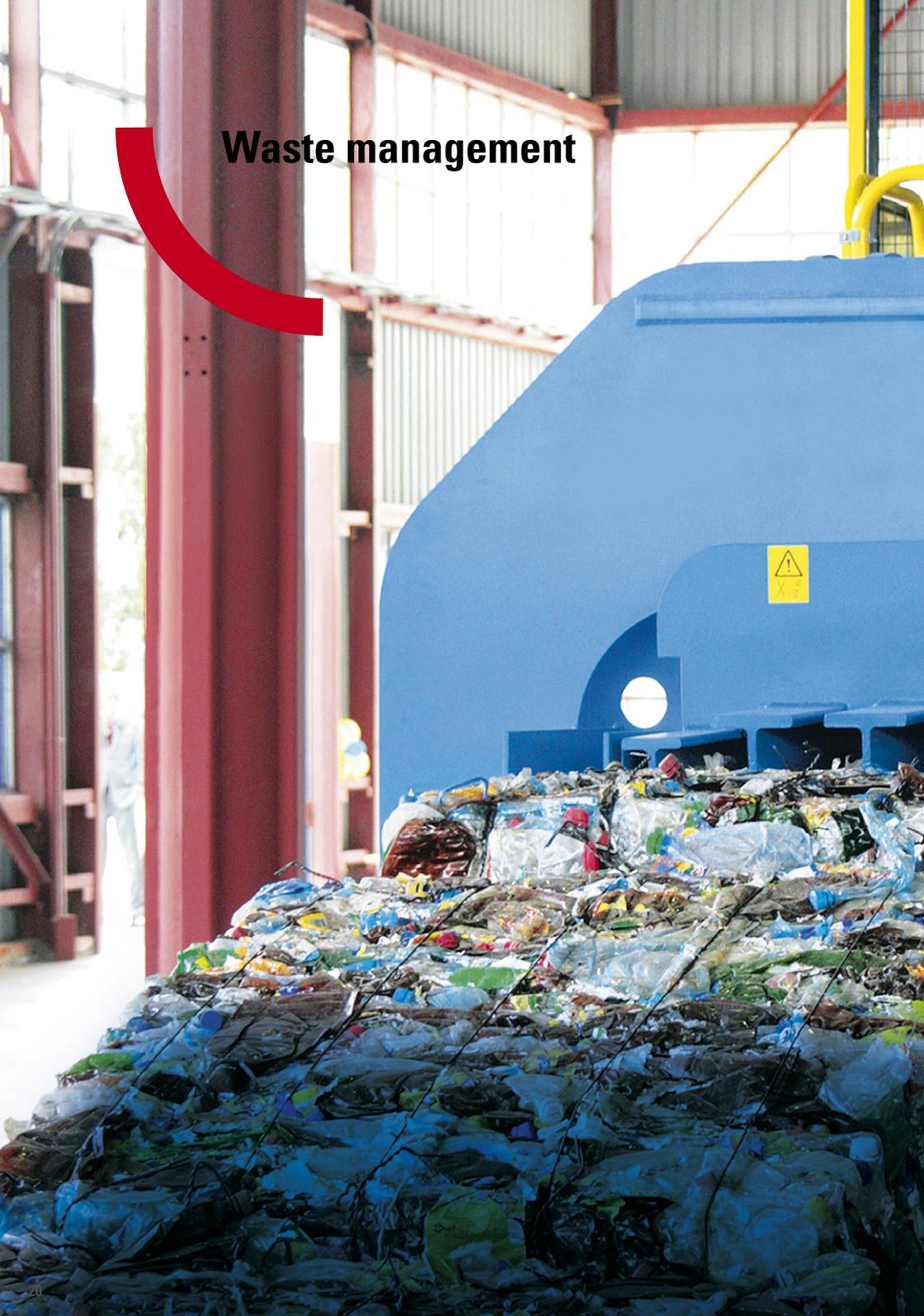
- INDOOR: fleet management
- OUTDOOR: fleet management & geolocation
- ACCESS: fleet management, geolocation & secure access control



Tips

EASY MANAGER informs you about upcoming maintenance work on your equipment. With a maintenance contract, you keep a handle on your costs and optimise the availability of your equipment during maintenance visits.

Waste management





Paper / Cardboard



MLT 741 H with grapple bucket (CBG)



MSI 50T: bale loading



MHT with bale clamp



MSI 30 D with roll clamp

Overview

A wide range of machines for loading and bulk handling of paper and cardboard.

Lift heights from 6 to 9 m for efficient loading of hoppers and trailers, thereby increasing storage capacity.

Safety first

- Seat belt
- Reverse alarm (standard) or (optional) white noise reverse alarm
- Flashing beacon
- Rear-view camera or pedestrian detection
- Underside protection for MSI
- CE conformity: validation of the machine/ attachment
- Hydrostatic transmission: better precision of approach during loads and unloadings
- For busy and congested sorting centres, choose a compact machine in the Manitou range

Productivity and safety



Specifications

Residual capacities with attachment

	MLT 625 [•]	MLT 634	MLT 735	MLT 741 [•]	MLT 840	MLT 845 [•]	MLT 960 [•]
Grapple bucket (CBG)*	960 L	1270 L	1270 L	1270 L	1270 L	1270 L	2200 L
Bale clamp*	2.1 t	2.8 t	2.8 t	3.3 t	3.3 t	3.3 t	4.5 t
Roll clamp*	1.7 t	2.3 t	2.4 t	2.8 t	2.8 t	3 t	4 t
Rotator*	2.1 t	2.8 t	2.9 t	3.3 t	3.3 t	3.7 t	5 t

- * Indicative values - according to the attachment (brand / model / type of bale / ...) for more details: upon request
- Forklift meeting the needs of the environmental business

Maximum capacity of the MI and MSI ranges

	MI (15 to 35)	MSI (15 to 35)	MSI (40 to 50)
Bale clamp*	2.6 t	2.6 t	3.5 t
Roll clamp*	2.2 t	2.2 t	3.2 t
Rotator*	3 t	3 t	3.4 t

* upon request



Bale clamp



Roll clamp



Rotator

For a wider choice of attachment: upon request

Paper / Cardboard



Hydraulic coupler: Manimach2 option



Easy Connect System



MSI 30D with rotator and box handling

Safety first

- Reinforced bale clamp arms prevents excessive wear
- Quick changing of attachments thanks to the Easy Connect System option (Automatic decompression of the hydraulic line) and Manimach2 option
- The compact dimensions of the MLT 625 and MSI allow easy loading of containers and trailers

Quick change of attachment



Glass



MLT 845, handling in storage area



MLT 845, hopper loading



Glass storage area



MLT 735 120 with super cushion tyres

Overview

Glass is very abrasive.

To improve productivity, specify anti-puncture tyres and strengthened buckets.

Choose cutting edge for the bucket to limit the wear.

Safety first

- Select the bucket according to the density Of the glass (whole bottles or crushed variable have a variable density of 400 to 700 kg/m³)
- Windscreen and roof guard to protect the cab operator
- Wear gloves before any intervention (risk of accidental cut with glass)
- Anti-puncture tyres

Anti-puncture tyres, windscreen and roof protection grill



Specifications

Rehandling bucket CBR*

MLT 741	MLT 845	MLT 960
1 000 L	1 000 L	1 000 L

* For buckets with higher capacity: upon request

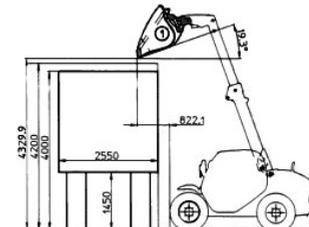
**Rehandling bucket
with reinforced structure**

Tips

**Choose a reinforced bucket
Pay attention to the dump height**



Rehandling bucket CBR



Tipping height for trailers

Metal scrap



MSI Evolution



MHT 10180: storage of steel rolls



MLT 625: container loading



MHT: unloading of a 20 feet container

Overview

The loading/unloading and the storage of scrap material require machines with impressive load capacities.

Manitou proposes a wide range of machines which allows you to load and to unload your containers.

Safety first

- EN1500 compliant load moment indicator
- We offer a range of machine to handle very heavy loads
- 360° visibility
- Solid tyres

Heavy and high density loads



Specifications

Rehandling bucket CBR*

MLT 625	MLT 741	MLT 845	MLT 960
780 L	1 000 L	1 000 L	1 000 L

Ram carrier*

MHT 10130	MHT 10180	MHT 790	MHT 1490
✓	✓	✓	✓

* upon request

Rotator*

MSI 35	MSI 40	MSI 50
3 t	3.4 t	4.3 t

* upon request



Ram carrier*



Attachment adapted for pig copper handling*

**A "special studies" team
at your service**

Tips

- To enhance your productivity, our "special studies" department can design attachments specific to your request
 - To load containers:
 - we can offer free lift masts on our industrial masted forklift trucks
 - MLT625 will fit inside the container
 - Send us your detailed specifications regarding your requests for carrying rams



Pipe clamp*

Green waste - Composting

Overview

Loading and filling shredders, handling piles of green waste, turning compost, filling screens, reloading semi-trailers: so many repetitive operations which require performance, safety and reliability.



MLT 845 for compost storage



MLT 845: green waste rehandling, Nokian® tyres



MLT 845: loading and filling shredders

Safety first

- Windscreen and roof guard
- Boom lights
- Pressurized cab designed by our "special studies" team for harsh and polluted environments (methane, hydrogen "sulphide", ammonia water etc)
- Reinforced or anti-puncture tyres

Productivity and reliability



Specifications

Grapple bucket CBG*

MLT 741 [■]	MLT 845	MLT 960 [■]
1 270 L	2 000 L	2 200 L

* For buckets with higher capacity: upon request

Rehandling bucket CBR*

MLT 741 [■]	MLT 845	MLT 960 [■]
1 000 L	1 000 L	1 000 L

* upon request



Grapple bucket (reinforced structure)
special for green waste



Rehandling bucket: upon request

Reinforced buckets

Tips

- Grapple bucket with removable side cheeks for improved load retention
- For pressurized cab, please confirm your:
 - pollution level in g/l to size correctly the filters
 - particles size to be filtered (dusty atmospheres)

Industrial waste



Mustang 2026: container loading



MLT 735 with a bucket*



MLT 634, solid tyres and box handler

Overview

You may need, on your premises, versatile telehandlers fitted with attachments such as rotator, rehandling buckets, forks...

Safety first

- CE conformity: validation of the machine/ attachment
- Dedicated load chart
- Hydrostatic transmission
- Anti-puncture tyres

Versatility and performance

Specifications

Grapple bucket CBG*

MLT 625	MLT 634	MLT 735	MLT 741	MLT 845	MLT 960
960 L	1 270 L	1 270 L	1 270 L	1 270 L	2 200 L

Rotator*

MSI 30	MSI 35	MSI 40	MSI 50
2.5 t	3 t	3.4 t	4.3 t

* upon request

Drum clamp*

MSI	MLT
2 t	2 t

* upon request



Grapple bucket



Grapple bucket

Quick change of attachment

Tips

- Grapple bucket dedicated to O.I.W handling
- Precise placement and stacking containers to minimise damage and accidents
- For more speed, simplicity and productivity: add the Manimach2 quick coupler option and decompression of the hydraulic line



MLT 735 with rotator

Plastics



MHT with grapple bucket for loading



MHT: hopper filling



MLT 735 with bucket



MLT 625: big bag loading

Overview

Plastics rolled up, thread, bag or flecks... many bulk products are difficult to handle. Filling shredders, stock piling, moving pallets require versatile and productive machines.

Safety first

- Spark arrestor
- Air conditioning
- Forward visibility
- Windscreen and roof guard

Working height



Specifications

Type of attachment	MLT 625 [*]	MLT 634	MLT 735	MLT 741 [*]	MLT 845 [*]	MLT 960 [*]
Grapple bucket CBG	960 L	1 270 L	1 270 L	1 270 L	1 270 L	2 200 L
Rehandling bucket CBR	780 L	1 000 L	1 000 L	1 000 L	1 000 L	1 000 L
High volume bucket CBA	1 500 L	2 500 L	2 500 L	2 500 L	3 000 L	3 200 L
Jib*	*	*	*	*	*	*

* upon request

MLT625 to load trailers



Grapple bucket

Tips

- Equip your telehandler with dedicated heavy-duty anti-puncture tyres (see page 84):
 - Reinforced tyres
 - Super cushion tyres
 - Mine spec. tyres
 - Puncture repair liquid
- Big bag handling with jib



MSI 30 with fork

Tyres



MLT 845 with grapple bucket



MLT 634 with grapple bucket



MLT 735 with fork, trailer loading

Overview

Tyre recycling requires multiple handling situations of bulk and crushed tyres, hopper loading, stockpiling and big bag loading for packed products.

Safety first

- Choose the right buckets to avoid the loss of load
- Solid tyres
- Working lights (front and rear) to illuminate the work area
- Reverse alarm or white noise for safety
- Hydrostatic transmission

Working height



Specifications

Grapple bucket CBG*

MLT 625	MLT 634	MLT 735	MLT 741	MLT 845	MLT 960
960 L	1 270 L	1 270 L	1 270 L	1 270 L	2 200 L

* For buckets with higher capacity: upon request



Gehl 4240 with grapple bucket



MLT 625 with special tyres

Anti-puncture tyres

Tips

- Reinforced and reversible bucket cutting edge
- Jib for big bag loading



MLT 634 with fork

Hazardous waste



ME 430 electric forklift



Basket with remote control



MHT 10180: container storage



MRT 2150 with platform: asbestos removal

Overview

To handle and store hazardous waste, the Manitou Group proposes you a full range of electric, diesel or bi-energy machines: masted forklift trucks, fixed or rotating telehandlers fitted with platforms, forks, bale clamps, jibs for big bags...

Safety first

- Air-conditioning
- Remote control
- Machine with IP 67 connections, IP 69K connections for high pressure cleaning
- Attachment recognition on MRT Privilege+ with automatic matching of loadchart

From 1 t to 40 t lifting capacity from 1 m to 40 m working height



Specifications

Rotator*

MSI 30	MSI 35	MSI 40	MSI 50
2.5 t	3 t	3.4 t	4.3 t

* upon request



Rotator

Jib*

MLT 634	MLT 735	MLT 741	MLT 845	MLT 960
*	*	*	*	*

* upon request



Jib PC50

Drum clamp*

MSI	MLT
2 t	2 t

* upon request



Drum clamp

Atex machines and pressurized cabs: upon request

Tips

- High corrosion: upon request
- For pressurized cab, please confirm your requests for:
 - the level of the pollutants in g/l to size correctly the filters
 - the sizes of particles to be filtered (dusty atmospheres)



MSI30T

Household waste

Cold energy from waste, baling



MLT 735 with grapple bucket,
super cushion tyres and filtration cab



100 VJR AWP



Gehl V 270 with bucket



Cold energy from waste tunnel

Overview

For waste processing by methanisation or for incinerators, you need well adapted multi-purpose machines, with pressurized cab, system of weighing, rehandling bucket...

Safety first

- Filtration cab
- Reinforced tyres
- Aerial work platform for maintenance operations
- Reverse alarm or white noise

Large range
of aerial work platform



Specifications

Type of attachment	MLT 625	MLT 741	MLT 845	MLT 960
Grapple bucket CBG	960 L	1 270 L	1 270 L	2 200 L
Rehandling bucket CBR	780 L	1 000 L	1 000 L	1 000 L
High volume bucket*	*	*	*	*
Jib	*	*	*	*

* upon request

Bale clamp*

MI	MSI	MLT/MT	MHT
3.5 t	3.5 t	4.5 t	6 t

* Indicative capacities: upon request

Special handling: upon request



Bale clamp for film-wrapped bale: upon request

Tips

- Cab pressurization (Brotec®):
 - Particles size in suspension (dusty atmospheres)
 - Particles concentration
 - Gas concentration in g/l (methane / nitrate / ...)
 - Anti-puncture tyres
- film-wrapped bale, upon request



CBG bucket

Landfill and storage



MT732, storage of hazardous waste



3300V with gyro crusher



Bale storage



MLT 845 with bucket 4 in 1

Overview

Storage centre, household refuse, asbestos removal require rough terrain telehandlers to place the bales, to put in stock big bags and to make the daily operations of loading, unloading, maintenance and cleaning of sites post operation.

Safety first

- Use the relevant jibs for the storage of big bags
- Aggravating movement hydraulic cut-off
- Wide choice of tyres to be chosen according to the ground condition
- A wide range of aerial work platforms to install anti-flight nets

Versatility and performance



Specifications

Type of attachment	MLT 625 [*]	MLT 741 [*]	MLT 845 [*]	MLT 960 [*]
Bucket 4 in 1	700 L	900 L	900 L	900 L
Jib*	*	*	*	*
Bale clamp*	2.1 t	3.3 t	3.3 t	4.5 t
Balayeuse ramasseuse	380 L	530 L	*	600 L

* Indicative values: upon request



Collector sweeper brush



Bucket 4x1



Jib hook PC

**Specialist handling:
upon request**

Tips

- MLT's: ideal for lifting (big bag) and for loading duties
- For working height with platform, choose the MT or MRT range

Vehicles



78 SEC aerial work platform



MSI 50 with fork positioner



MC 30 with side shift carriage and positioner



MSI 50 with side shift carriage and positioner

Overview

Unloading vehicles (LV, truck, bus), supply the dismantling line, store second-hand spare parts: all these handlings require forklifts with load guards, longer forks and adapted platforms.

Safety first

- Big wheels to enhance stability to limit punctures
- Hydrostatic range for precision of loading and unloading
- A wide choice of aerial work platform to facilitate storage
- Solid tyres

Stability and reliability



Specifications

Model	Capacity max (t) at 900 mm (with Side shift carriage)	Lifting height (m)
M 30	2.2	3 to 6
M 50	3.8	3 to 6
MSI 30	2.2	3 to 6
MSI 35	2.6	3 to 6
MSI 40	2.9	3 to 6
MSI 50	3.7	3 to 6
MI 60	4.5	3 to 5.5
MI 70	5.3	3 to 5.5

Side shift carriage and fork mounted spreader

Tips

- The side shift carriage allows you a precise positioning of the load (upon request).



Side shift carriage



MC 70 with fork positioner

Demolition



2044 with hydraulic breaker



MRT 3050 with platform



MRT 1840 Easy with platform



ATJ aerial work platforms

Overview

The demolition of buildings requires separation of materials: scrap, wood, glass, OIW.

Manitou Group provides you with a wide range of platforms, MRT's fitted with platforms, compact loaders, equipped with clamps or hydraulic breakers.

Safety first

- Reinforced platform up to 1200 kg
- Intuitive remote control
- Hydraulic supply at the head of the boom
- Control the resistance of concrete floors

MRT with working heights up to 42 m



Specifications

Type of platform	MT 1030 S	MT 1135 HA	MT 1335 HA	MT 1440 A/HA	MT 1840 A/HA	MRT
1 200 kg mine platform	✓			✓	✓	*
Fixed platform 365 kg	✓	✓	✓	✓	✓	✓
Rotating personnel platform 365 kg						✓
Rotating personnel platform (2.25 - 4 m) 365 / 1 000 kg	✓	✓	✓	✓	✓	✓
Aerial jib						✓
Aerial jib with negative position (-6.8 m)*						✓
3D system*						✓

* upon request

Hydraulic hammer	Attachment weight (kg)	Impact energy (J)
G 95	88	150 - 230
G 160	162	240 - 360
G 255	236	450 - 590
G 350	330	625 - 830
G 550	568	680 - 1 060



MHT with a 1200 kg capacity mine platform

Aerial work platform from 7 to 28 m

Tips

- Mine platform with capacity of 1200 kg:
 - galvanised and resistant to a 3 ton impact
 - protection of platform controls
- Rotating and extending aerial work platform from 2.25m up to 4m



MRT with 3D system to work under the zero level

WEEE

(Waste of Electrical and Electronic Equipment)



MSI 30 with fork



Rotator*



MLT 735 120 LSU, Loading of bulk products



100 VJR AWP for daily maintenance

Overview

Unloading of refrigerators, televisions, household electrical appliances in boxes.

Load hoppers of crushed products.

Reload semi-finished products in boxes or in bulk.

Safety first

- Reverse alarm or white noise
- Box rotator with handling device to empty boxes
- Aerial jib and electric supply available
- Choose the most appropriate buckets, forks or rotator according to the density of your products

Hydrostatic
semi-industrial
masted forklift truck



Specifications

Rotator*

MSI 25	MSI 30	MSI 35	MSI 40	MSI 50
2 t	2.5 t	3 t	3.4 t	4.3 t

**Indicative capacities: upon request*

Rehandling bucket CBR

MLT 625	MLT 741	MLT 845	MLT 960
730 L	1 000 L	1 000 L	1 000 L



Rotator*



Box rotator with handling device*

Stackers for box handling

Tips

- Dimensions of the doors of container (l x h):
2.28 m x 2.26 m
- Models which can enter a semi-trailer or a container:
 - MSI: max lifting height:
3.7 to 4.8 m according to the model
 - MLT up to 5.9 m
 - Free lift mast



Magnetic attachment for WEEE handling*

Wood recycling



MLT 735 with a CBA 2500L bucket



RT175: wood loading



MLT 845 with grapple bucket



MLT 845 and MLT 735 at work

Overview

The variations of wooden stocks of class A or B on platforms are important: you have to, permanently, store products at height.

Manitou Group telehandlers are the right answer to the intensive cycles of production for shredding applications.

Safety first

- Windscreen and roof protection grill
- Rehandling bucket
- Reverse alarm or white noise
- Revolving light
- Working lights
- Anti-puncture tyres
- Pressurised cab to reduce dust ingress

Productivity



Specifications

Type of attachment	MLT 625	MLT 741	MLT 845	MLT 960
Grapple bucket CBG*	960 L	1 270 L	1 270 L	2 200 L
Big volume CBA	1 500 L	2 500 L	3 000 L	3 200 L
High pressure cleaner		600 L	*	600 L
Collector sweeper brush	380 L	530 L	*	600 L

* upon request

Productivity

Tips

- Solid anti- puncture tyres
- The centralized greasing systems simplifys the daily maintenance and increase the life cycle of machines



MLT 845 with solid cushion tyres



High pressure cleaner and collector sweeper brush

Water treatment





Applications



ME 425 electric industrial forklifts



MLT 845 with hook to load pumps



MRT 3050 with winch, construction of WWTPs



MSI 35 T: transport of drums

Overview

Manitou provides you with a range of diesel and electric machines for the storage of parts, transporting of pumps, maintenance of the water treatment plants.

Safety first

- Aggravating movement hydraulic cut-off
- Wide range of industrial forklifts
- Comfortable cab
- User friendly

Electric forklift



Specifications

Type of attachment	MLT 735	MLT 741*	MLT 840	MLT 845*	MLT 960*
Jib*	*	*	*	*	*

* upon request

Type of platform	MRT
1 200 kg mine platform	*
Fixed platform 365 kg	✓
Rotating personnel platform 365 kg	✓
Rotating personnel platform (2.25 - 4 m) 365 / 1 000 kg	✓
Aerial jib	✓
Aerial jib with negative position (-6.8 m)*	✓
3D system*	✓

* upon request



Rotating jib



Fork

Only one machine for all your applications

Tips

- For more versatility, choose the right machine:
 - attachment versatility with MT/MRTs
 - hydraulic function



Platform

Pipes - Heavy loads



MSI 30 with fork



MHT 10120: Unloading



MLT 625: container loading



MHT 10120 with rudder handler*
* upon request

Overview

To facilitate the upgrading of pipelines, you have to handle pipes on pallet or very long pipes as well as storage tanks...

Safety first

- ENI5000 LMI
- Dedicated jibs from 600 kg to 22.5 t
- Rough terrain machines to facilitate your material handlings
- Frame levelling to work in all conditions
- Aggravating movement hydraulic cut-off

Lifting capacity
from 0.5 to 22.5 t



Specifications

Type of attachment	MT 625	MT 732	MT 1030	MHT 10120
Jib*	*	3 t	3 t	12 t

* upon request

Type of attachment	MRT 1440	MRT 1640	MRT 1840	MRT 1850	MRT 2150	MRT 2540	MRT 3050
Jib*	4 t	4 t	4 t	5 t	5 t	4 t	5 t

* upon request

MT, MSI or MI range



MSI 30 with fork

Tips

- MT 625 or MSI or MI forklifts fitted with free lift mast to unload containers and semi-trailers
 - Rough terrain: MSI or MT
- Use a side shift carriage for precise placement



Jib

Silt by-product



MLT 845: silt transfer



MLT 845: silt transfer



MLT 845 with rehandling bucket



MLT 845: reloading of sludge from WWTPs

Overview

Silt from waste water treatment plants is a high density product.

To work in restricted areas, machinery specifications demand tight turning circles and the ability to lift and place loads.

Safety first

- Use a reinforced bucket suitable to the density of the product
- Choose tyres with grip so that the tyres don't slide
- Rear-view camera or parking aid for increased safety
- Check if there is gas emissions outside to protect operators in the cab

Compact machines



Specifications

Rehandling bucket CBR

MLT 741	MLT 845	MLT 960
1 000 L	1 000 L	1 000 L



Rehandling bucket

 Reinforced bucket

Tips

**In confined areas,
choose a Gehl or Mustang compact loader.**



RT210 compact track loader



Renewable energy



Biogas



MLT 845: loading silo



MLT 840: loading silo



MLT 845: maize loading



MLT 840

Overview

Biogas is often associated with agricultural activities or with dedicated production installations.

You have to handle different types of waste input: maize, biowaste, manure or green waste.

Manitou Group proposes you reliable, versatile and fuel-efficient machines to load silos and to feed hoppers.

Safety first

- Choose the most appropriate model according to the humidity of materials, lifting heights and the density of products:
 - Biowaste: 600 to 800 kg/m³
 - Maize silage: 500 to 600 kg/m³
 - Manure: 500 to 800 kg/m³
 - Green waste: 50 to 550 kg/m³

Versatility and reliability



Specifications

Type of attachment	MLT 634	MLT 735	MLT 741*	MLT 840	MLT 845*	MLT 960*
Grapple bucket CBG*	1 270 L	1 270 L	1 270 L	1 270 L	1 270 L	2 200 L
High pressure cleaner	600 L	600 L	600 L	*	*	600 L
Jib*	*	*	*	*	*	*

* upon request



Bucket for MLT 840



MLT 625 for maintenance

A wide range of attachments

Tips

- Use our wide range of attachments to optimize your operations:
 - on-board high pressure cleaner,
 - handling jib, forks to handle pallets...



Use the high pressure cleaner option to clean a hopper

Biomass



MLT 735 to feed the biomass boilers



MLT 735: bulk handling of woods chips



MLT 634: loading of barges



MLT 627: pellet loading

Overview

Fuelwood, pellets, straw... are alternative developing energy sources. Manitou provides a large range of machines and options dedicated to load, store and feed the biomass boilers...

Safety first

- Choose the right bucket according to the density of the materials
- Air conditioning and pressurised cab
- Spark arrestor
- Hydrostatic telehandler
- Forward visibility and 360° visibility
- Rotating beacon
- Reverse alarm or white noise

Versatility and reliability



Specifications

Type of attachment	MLT 634	MLT 735	MLT 741
Bale fork	1.7 t	1.7 t	1.7 t
Grapple bucket CBG*	1 270 L	1 270 L	1 270 L
Bucket CBA	2 500 L	2 500 L	2 500 L
High pressure cleaner	600 L	600 L	600 L

Type of attachment	MLT 840	MLT 845	MLT 960
Bale fork	1.7 t		1.7 t
Grapple bucket CBG*	1 270 L	1 270 L	2 600 L
Bucket CBA	3 000 L	3 000 L	4 000 L
High pressure cleaner	600 L	*	600 L

* Indicative values, for more details upon request



Fork for bales of straw in boiler house



MLT 840 with high pressure cleaner and collector sweeper brush

Versatility and productivity

Tips

- Fit your machine with a spark arrestor to operate safely
- Automatic decompression of the hydraulic line for a quick change of attachments
- Select the option: return piping to hydraulic oil tank for utilization of attachments : high pressure cleaner, collector sweeper brush...



Collector sweeper brush

Solar energy



MT 1440 with platform



180 ATJ AWP



MRT 1840: handling solar panels

Overview

To fix or to clean panels, to set up the infrastructure of solar power plants...

So many applications which require person or materials elevations.

Safety first

- Choose the right machine with the right platform
- Flexible and precise movements while using remote control
- Follow the instructions of maximum wind specified on the basket of the platforms and on the operator manual
- Rough terrain machine

Precision and flexibility



Specifications

		AWP	MRT	MT	MLT
Platform	Working height (m)	7.7 to 27.75	-10.5 to 43.3	11.8 to 19.25	
	Outreach (m)	5.7 to 25.75	11.5 to 26.1	9 to 12.4	
	Basket capacity (kg)	200 to 400	365 to 1 200	365 to 1 200	
High pressure cleaner	600 L			Except MT 625	MLT 634 / 735 / 741 ^o / 840

**A complete range
at your disposal**



Platform

Tips

- To facilitate your operations on the platform (upon request):
 - Electrical connection
 - Water intake
 - Air Compressed
- For the installation of the heavy structure panelling (classics or in convection), choose MHTs with specific attachment (upon request)



High pressure cleaner

Cleaning





General solution



MLT 625 with collector sweeper brush



540 articulated loader with collector sweeper brush



280 ATJ AWP



MLT 741 with flail cutter*
* upon request

Overview

Manitou Group facilitates your operations: window cleaning, bridge inspection, cleaning your production sites, landscape maintenance...

Safety first

- Aggravating movement hydraulic cut-off
- Flexible movements, thanks to a proportional hydraulic remote control
- Aerial work platform and rotating telehandlers fitted with remote controls
- CE marking for all machines and attachments

One machine, for several jobs



Specifications

		AWP	MRT	MLT	MT
Platform	Working height (m)	7.7 to 27.75	-10.5 to 43.3		11.8 to 19.25
	Outreach (m)	5.7 to 25.75	11.5 to 26.1		9 to 12.4
	Basket capacity (kg)	200 to 400	365 to 1 200		365 to 1 200
Collector sweeper brush	Volume (L)			530 (380 for MLT 625 [•])	MT 625
High pressure cleaner	600 L			MLT 634 / 735 / 741 [•] / 840	Except MT 625

Aerial work platform and bi-energy MRT



MRT 2150 Privilege

Tips

- Bi-energy aerial work platform: advantage of an electrical aerial work platform with the autonomy of a diesel machine
 - High pressure cleaner
- 3D system in negative mode to operate under bridges



High pressure cleaner

Warehousing





Warehousing and storage



Stacky 14



Electrical pallet truck with rotator



Range of diesel and electrical industrial forklifts



Range of diesel semi-industrial forklifts

Overview

Logistics, warehousing and storage require suitable, simple and reliable means for loads of 10 kg to 3 or 4 t. These operations have to be carried out in full safety.

Safety first

- According to the type of the terrain, use the relevant range of machinery, industrial or rough terrain
- The MSI range has the ability to operate on different types of ground condition (pavement crossing...)
- Pay attention to the ground pressure
- Cost reduction using MSI models with big wheels

A wide range of products



Specifications

EP: electrical pallet trucks

EP	EP 16	EP 18	EP 20	EP 22
Min. battery capacity V (Ah)	24 (170)	24 (180)	24 (180)	24 (270)
Power (kW)	1.2	1.2	1.2	1.7
Max capacity (kg)	1 600	1 800	2 000	2 200
Unladen weight with forks (kg)	445	480	482	560

KLEOS: manual or semi-electrical stacking trucks

KLEOS	DHM	HM	EB
Manual	✓	✓	
Electrical			✓
Min. battery capacity V (Ah)	*	*	12 (110)
Max capacity (kg)	250	1 000	1 000
Mast height (m)	1.5	2.5	2.5

* not available



EP

Manual or electrical



KLEOS

Warehousing and storage

Specifications

STACKY: electrical stacker

STACKY	STACKY 10	STACKY 14
Min. battery capacity V (Ah)	24 (85)	24 (85)
Max capacity (kg)	1 000	1 400
Mast height (m)	2.8	0.9



ES: electrical stacker

ES 4/ES 6	ES 410	ES 412	ES 420 DL	ES 614	ES 616
Min. battery capacity V (Ah)	24 (160)	24 (160)	24 (270)	24 (180)	24 (180)
Power (kW)	1.2	1.2	1.7	1.5	1.5
Max capacity (kg)	1 000	1 200	2 000	1 400	1 600
Mast height (m)	4.2	4.2	2.1	5.4	5.4

ME	ME 315	ME 316	ME 318	ME 320	ME 418	ME 420	ME 425c	ME 425	ME 430
Min. battery capacity V (Ah)	48 (460)	48 (575)	48 (575)	48 (690)	48 (700)	48 (700)	48 (700)	80 (560)	80 (560)
Power (kW)	2 x 4.5	2 x 4.5	2 x 4.5	2 x 4.5	6.8	9.1	9.1	11.75	11.75
Max capacity (kg)	1500	1600	1800	2000	1800	2000	2500	2500	3000
Mast height (m)	6								
Unladen weight with forks (kg)	3050	3070	3090	3440	3620	3860	4240	4440	5050





MI	MI	MI	MI	MI	MI	MI
Diesel*	MI 15 D	MI 18 D	MI 20 D	MI 25 D	MI 30 D	MI 35 D
Gas**	MI 15 G	MI 18 G	MI 20 G	MI 25 G	MI 30 G	MI 35 G
Power (kW)*	32.8	32.8	42.1	42.1	42.1	42.1
Power (kW)**	31.5	31.5	38	38	38	38
Max capacity (kg)	1 500	1 800	2 000	2 500	3 000	3 500
Mast height (m)	6.5	6.5	6.5	6.5	6.5	6.5
Unladen weight with forks (kg)*	2 905	3 100	3 725	4 000	4 610	4 860
Unladen weight with forks (kg)**	2 710	2 905	3 620	3 895	4 490	4 740

MSI	MSI 25 T	MSI 30 T	MSI 35 T	MSI 40 T	MSI 50 T
Diesel	✓	✓	✓	✓	✓
Power (kW)	44	44	44	70	70
Max capacity (kg)	2 500	3 000	3 500	4 000	5 000
Mast height (m)	7	7	7	6	6
Unladen weight with forks (kg)	4 070	4 704	4 845	7 170	8 395

M	M 30-2	M 30-4	M 50-2	M 50-4
Power HP (kW)	75 (55.5)	75 (55.5)	75 (55.5)	75 (55.5)
Wheel drive	2	4	2	4
Max capacity (kg)	3 000	3 000	5 000	5 000
Mast height (m)	3.7	3.7	3.7	3.7
Unladen weight with forks (kg)	5 290	5 485	8 000	8 190



Industrial maintenance





Maintenance



MRT 2540 with platform



150 ATJ AWP



Bi-energy MRT 2150 Privilege



100 VJR AWP for daily maintenance

Overview

Avoiding production downtime is a main priority. You need quick response. Thanks to aerial work platforms and rotating telehandlers, you will reduce response time and maintain productivity.

Safety first

- Basket from 200 to 1200 kg
- Flexible movement
- Diesel and electrical models:
 - ergonomic platforms with energy sources available water/air/power: upon request

Electrical and rough terrain models



Specifications

		AWP	MRT	MLT	MT
		AWP	MRT	MLT	MT
Platform	Working height (m)	7.7 to 27.75	-10.5 to 43.3		11.8 to 19.25
	Outreach (m)	5.7 to 25.75	11.5 to 26.1		9 to 12.4
	Basket capacity (kg)	200 to 400	365 to 1 200		365 to 1 200
Collector sweeper brush	Volume (L)			530 (380 for MLT 625 [•])	
High pressure cleaner	600 L			MLT 634 / 735 / 741 [•] / 840	Except MT 625

Electrical or bi-energy

Tips

- Electrical aerial work platform and bi-energy to perform on indoor job sites
- Non-marking tyres: upon request



Jib



Platform

Options





Tyres



MLT 845 with Nokian® tyres

Overview

- Choose the best compromise grip / puncture resistance
- A tyre more resistant to punctures reduces driving comfort!
- Cost reduction thanks to MSI with big wheels

	MLT 625 ^g	MLT 629	MLT 634	MLT 735	MLT 840	MLT 845 ^g	MLT 960 ^g
Super cushion tyre	PPS	*	*	*	*	*	*
X-Mine®			✓	*	*	*	*
Nokian®			*	*	✓	✓	✓
Foam filled	PPS	*	*	*	*	*	*
Puncture-proofing sealant	✓	✓	✓	✓	✓	✓	✓



Super cushion tyre

Choose the right profile

Load weighing



Screen display

Overview

- To control:
 - Bucket loading
 - Trailer loading
 - Daily or weekly loading
- Batch/Blending
- Static and dynamic weighing
- 10 configurable attachments (weight log)
- IP 54 waterproof enclosure
- Operating temperature $-20^{\circ}+70^{\circ}$ C
- Pre-set weight log function
- Colour touch screen display providing intuitive operation
- Printer option with configurable output
- SD card / USB data transfer
- Precision: $\pm 2\%$
- Trade-approved weighing

Safety first

- Improves truck loading
- No risk of overloading

Operational efficiency

Lighting



Cab working lights, 2 front + 2 rear



Headlight protection, at work and on the road



Working lights on the telescope

Overview

- Install Protection headlights
- Headlight at the top of the foot of the boom for a better visibility of the work area
- Headlights in recessed position to protect from impacts
- It is possible to install working lights at the top of the boom for models with a lifting height of over 10 m
- Rear lights and rotating beacon as standard features

Safety first

- See and be seen
- LED lights reduce dazzle (upon request)

Safety, productivity

Safety



Battery cut-off



Extinguisher

Overview

- Battery cut-off
- Seat belt
- Light warning lamp
- Sound alarm
- Warning light and buzzer monitoring
- ABC-type dry chemical fire extinguishers from 2 to 6 kg:
 - Class A (combustible solid fires): wood, paper, cardboard, rags, plastic...
 - Class B (Flammable liquids): gasoline, oil, alcohol, solvent, petroleum products
 - Class C (gas fires)
- Speed limiter (upon request)
- White noise

Safety first

- Optimize or strengthen your fire protection
- Front speed limiter, the rear one is configurable

Secure your working environment

General protection



Windscreen and roof protection grill on MLT 845



Centralised greasing points



Centralised lubrication at the foot of the boom



Material deflecting panel at the boom head

Overview

- Centralized greasing points: oscillation of the back axle, the axis of foot of the lifting cylinder, axis of the foot of the compensation cylinder
- Centralized lubrication :
 - Continuous or volumetric lubrication
 - Total or partial greasing (except the top of the boom)
- Protection of the hydraulic couplers at the boom head

Safety first

- An investment:
 - Reduce maintenance times
 - Safety for your operator

Protection = safety

Camera, pedestrian detection



Cab-mounted camera with screen



Rear camera



On-board camera for pedestrian detection, alarm and warning light in the cab



1 screen: 4 cameras

Overview

- Single waterproof cab-screen
- Automatic activation of the rear-view camera by reverse gear
- Camera protection grille
- Water resistant camera with a high pressure cleaner

	Head boom	Rear	Left side
Pedestrian detection		✓	
Camera	✓	✓	✓
Proximity detection		✓	

Safety first

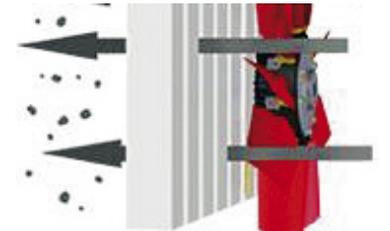
- Avoids any collision
- Alarm when an obstacle is detected
- Stress reduction and optimum working conditions for operators

Safety

Engine and filtration



Air-intake protection



Cooler inversion fan



Pre-filter



Exhaust, catalytic converter, fire screen

Overview

- Clogged grid protection
- Cooler inversion fan
- Variable speed blower:
 - Reduction in fuel consumption
 - Self-cleaning or cyclonic pre-filters

Safety first

- Temperature alarm: standard delivered
- Catalytic exhaust pipe
- Spark arrestor available upon request
- Engine stoppage through a timer

Reduction in fuel consumption

Hydraulics



Additional oil cooler



Easy Connect System



Hydraulic couplings: Manimach2 option

Overview

- Additional oil cooler
- Available power at the boom head:
 - Water
 - Electricity
 - Compressed air

Safety first

- It is important to think about the general use of your machine and to provide for hydraulic lines as a result (for example: return piping to hydraulic oil tank to feed continuously the sweepers, cleaners...)
- Choose the Easy Connect System option for an easier connection/disconnection of hydraulic couplings

A wide range of options

Cab



Inside the cab



MRT Privilege+ screen

Overview

- 360° visibility
- Air conditioning
- Seats:
 - Mechanical cloth
 - Pneumatic cloth
 - Heated pneumatic cloth
- Cab pressurization:
 - Continuous monitoring of pressurization and pollution
 - Silent fan with automatic tachometer
 - Control of the presence and the sealing of filters
 - Auto-start fan
 - Sound and light warning to work safely
- Attachment recognition system on MRT+Privilege with self-calibrating of load charts

Safety first

- Cab pressurization:
 - Particle size in the air (dusty atmosphere)
 - Particles concentration
 - Concentration of gas in g/l (methane / nitrate / ...)

Select the expected level of comfort

Compatibility





Compatibility

Compatibility MLT

Type of attachment	Capacity/ Working width	MLT 625 [*]	MLT 634	MLT 735	MLT 741 [*]	MLT 840	MLT 845 [*]	MLT960 [*]
Grapple bucket CBG*	960 L	✓						
	1 270 L		✓	✓	✓	✓	✓	
	2 000 L					✓		
	2 200 L							✓
	2 600 L							✓
Rehandling bucket CBR	730 L	✓						
	780 L		✓	✓	✓			
	900 L		✓	✓	✓			
	1 000 L		✓	✓	✓	✓	✓	✓
High volume bucket CBA	1 500 L	✓	✓	✓	✓	✓	✓	
	2 000 L		✓	✓	✓	✓	✓	
	2 500 L		✓	✓	✓	✓	✓	
	3 000 L					✓	✓	
	3 200 L							✓
Bucket 4 in 1	850 L						✓	
	900 L		✓	✓	✓	✓	✓	
High pressure cleaner	600 L		✓	✓	✓	✓		
Collector sweeper brush	2 000 mm	✓						
	2 600 mm		✓	✓	✓	✓		✓
	2 900 mm							✓
Jib*	3 t	*	*	*	*	*	*	*
	5 t	*	*	*	*	*	*	*
Bale fork	1.7 t	✓	✓	✓	✓	✓	*	✓

* upon request

Compatibility MHT

Type of attachment	Capacity	MHT 10130	MHT 10180	MHT 790	MHT 1490
Rehandling bucket CBR	1 500 L	✓	✓	✓	✓
	2 000 L	✓	✓		
Jib*	13 t	✓			
	18 t		✓		
Ram carrier*	10 t	*	*		

* upon request

Compatibility MT

Type of attachment	MT 625	MT 732	MT 1030
Jib*	*	5 t	5 t

* upon request

Compatibility MRT

Type of attachment	MRT 1440	MRT 1640	MRT 1840	MRT 1850	MRT 2150	MRT 2540	MRT 3255
Jib*	4 t	4 t	4 t	5 t	5 t	4 t	5 t

* upon request



Compatibility

Compatibility MT - MRT - MHT / Aerial work platform

Type of platform	1 500 L	MT 1135 HA	MT 1335 HA	MT 1440 A/HA	MT 1840 A/HA	MRT	MHT**
Mine basket 1 200 kg	✓			✓	✓	*	✓
Fixed platform 365 kg*	✓	✓	✓	✓	✓	✓	✓
Rotating personnel platform 365 kg				✓	✓	✓	✓
Rotating personnel platform (2.25 - 4 m) 365 / 1 000 kg	✓	✓	✓	✓	✓	✓	
Aerial jib*						✓	
Aerial jib in negative mode* (-6.8 m)						✓	
3D system						✓	
Platform		✓	✓	✓	✓	✓	
Platform		✓	✓	✓	✓	✓	

* upon request ** MHT 860: upon request

Compatibility M - MI - MSI / Side shift carriage

Model	Max capacity (t) to 900 mm	Lifting height (m)
M 30	2.2	3 to 6
M 50	3.8	3 to 6
MSI 30	2.2	3 to 6
MSI 35	2.6	3 to 6
MSI 40	2.9	3 to 6
MSI 50	3.7	3 to 6

Compatibility MHT / Side shift carriage

Model	Center of gravity (mm)	Capacity (t)	Lifting height (m)
MHT 10130	600	10	9.7
	1200	8.4	9.7
MHT 10180	600	16	9.7
	1200	12	9.7
MHT 10230	900	20	9.7
	1200	15	9.7
MHT 790	600	9	6.9
	1200	4.5	6.9
MHT 1490	600	9	13.5
	1200	4.5	13.5

Compatibility MI - MSI - MLT - MT - MHT / Bale clamp*

Solution	Capacity (kg)	Min Max opening (mm)	Arm length (mm)	Mass (kg)	MI	MSI	MLT/MT	MHT
S1	1 400 @ 500	580 - 1 810	1200	370	✓	✓	✓	✓
S2	2 100 @ 500	575 - 1 875	1000	570	✓	✓	✓	✓
S3	2 200 @ 500	640 - 1 970	1200	390	✓	✓	✓	✓
S4	2 500 @ 500	640 - 2 370	1200	470	✓	✓	✓	✓
S5	2 600 @ 500	460 - 1 900	1000	600	✓	✓	✓	✓
S6	3 300 @ 800	650 - 2 280	1600	370	✓	✓	✓	✓
S7	3 500 @ 600	505 - 2 340	1600	1 100	✓	✓	✓	✓
S8	4 000 @ 800	590 - 2 690	1600	1 820	✓	✓		✓
S9	5 000 @ 800	675 - 2 920	1600	1 640	✓	✓		✓

* upon request



Compatibility

Compatibility MSI - MLT 625 - MLT 634 / Roll clamp*

Solution	Capacité (kg)	Dimension bobine Min - Max (mm)	Masse (kg)	MSI	MLT 625 ⁺	MLT 634
S1	1 200	250 - 1 070	340	✓	✓	✓
S2	1 200	400 - 1 300	360	✓	✓	✓
S3	1 300	250 - 1 300	400	✓	✓	✓
S4	2 200	250 - 1 350	610	✓	✓	✓
S5	2 200	250 - 1 300	620	✓		✓
S6	2 250	200 - 1 150	550	✓		✓
S7	3 500	250 - 1 300	770	✓	✓	✓
S8	3 500	250 - 1 600	1 180	✓		✓
S9	3 600	250 - 1 450	990	✓		

* upon request

Compatibility MSI / Rotator*

Solution	Capacity (kg) @ 500 mm	Mass (kg)	MSI 25	MSI 30	MSI 35	MSI 40	MSI 50
S1	1 750	340	✓				
S2	2 000	170	✓				
S3	2 045	550	✓				
S4	2 500	210	✓				
S5	3 200	310		✓	✓	✓	
S6	3 500	310		✓	✓	✓	
S7	4 000	530		✓	✓	✓	✓

* Compatible with the whole range

Compatibility MI - MSI - MLT / Drum clamp*

Solution	Capacity (kg)	Min Max opening (mm)	Mass (kg)	MI	MSI	MLT
S1	700	450 - 1 600	310	✓	✓	✓
S2	1 000	460 - 1 560	270	✓	✓	✓
S3	1 000	600 - 700	390	✓	✓	✓
S4	1 200	440 - 1 540	340	✓	✓	✓
S5	1 250	440 - 1 620	230	✓	✓	✓
S6	1 400	450 - 1 520	300	✓	✓	✓
S7	1 800	450 - 1 615	320	✓	✓	✓
S8	2 000	370 - 1 670	350	✓	✓	✓

* upon request

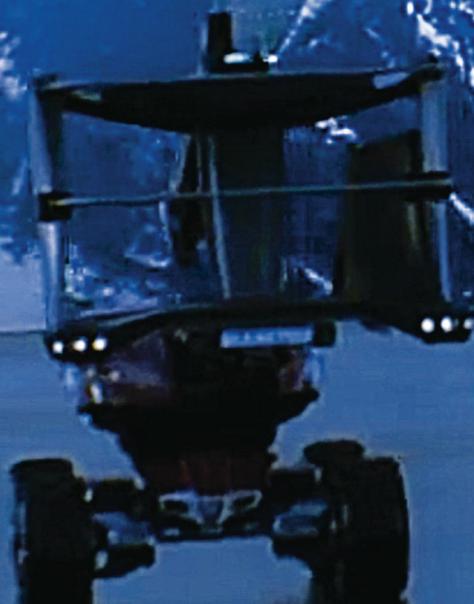
Compatibility G95 - G160 - G255 - G350 - G550 / Hydraulic hammer

Model	G95	G160	G255	G350	G550
Reference	N51502209	N51502210	N51502211	N51502212	N51502213
SL1640	✓				
SL3840		✓			
SL4240			✓		
SL4640			✓		
SL5240			✓		
SL5640			✓		
SL6640			✓	✓	
V270				✓	
V330				✓	
V400					✓
RT175				✓	
RT210				✓	
AL140	✓				
AL240	✓	✓			
AL340		✓			
AL440		✓			
AL540		✓			



MANITOU

GROUP



A futuristic, glowing blue vehicle is shown on a reflective surface. The vehicle has a prominent vertical structure on its back and is illuminated with a bright blue light. The background features a large, curved horizon line, possibly representing Earth or a planet, with a dark, starry sky above. The overall scene is bathed in a deep blue light, creating a high-tech, futuristic atmosphere.

sustainable
innovation

Your nearest dealer:



 **MANITOU**
HANDLING YOUR WORLD

GEHL

MUSTANG

A full line of attachments for the environment industry

Pick-up sweepers High pressure cleaners
Jibs Platforms Buckets Lifting beams Hooks Winches



Headquarters
B.P. 10249 - 430 rue de l'Aubinière - 44158 Ancenis Cedex - France
Tel.: 00 33 (0)2 40 09 10 11 - Fax: 00 33 (0)2 40 09 10 97 - Email: environment@manitou-group.com
www.manitou-group.com