

**TL RANGE**  
Track Loaders



# Handling your world

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

The Group's product ranges include: all-terrain fixed, rotating and heavy-load telehandlers; all-terrain, semi-industrial and industrial masted forklift trucks; wheel or track skid-steer loaders; articulated loaders; access 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.

Headquartered in France, the Group registered a revenue in 2018 of 1.900 billion euros in 140 countries and employs 4,400 people, all strongly focused on satisfying customers.



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 enters the stock exchange.

1993

The first MRT rotating telehandlers are sold.

1995

Launch of the first range of access platforms.

1996

ISO 9001 certification obtained.

1998

Marcel Braud becomes Chairman of the Supervisory Board.

2006

Manitou passes the 1 billion euros sales milestone.

2007

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

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



- 27 companies
- 11 production facilities
- 4,400 employees worldwide
- 64% of the share capital held by the founding families
- 78% of revenue comes from foreign markets
- 1.900 billion euros of turnover in 2018 subsidiaries
- 11 production facilities

2008

Takeover of the American company Gehl.

2009

Change of management - 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 is 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.



MANITOU

1750 RT

IdealTrax



## TWO DESIGNS. ENDLESS POSSIBILITIES.

As a general rule, radial lift is best when the majority of the work is performed below eye level, vertical lift is ideal for lifting and dumping at higher heights. For example, when the majority of the work is performed above eye level – vertical lift would be best suited.

**IdealTrax** | **IdealAccess**

\* IdealAccess™ not available on 1050 RT and 1650 RT

## Radial-lift design

Offers enhanced performance in excavating, grading and digging below grade applications.

Due to the radial lift path, the maximum reach is greater at the middle of the lift height.

### Rated operating capacity

35% of tipping: 748 kg  
50% of tipping: 1069 kg

### Machine dimensions

The 1650 RT has a width of 66" (1676 mm). Ideal for working in compact areas.

Ground clearance

**185 mm**

Lifting height up to

**3 m**

Capacity

**748 kg**

### IdealTrax™ automatic track tensioning system

eliminate daily tension checks and costly track replacements with the idealtrax™ system. Tracks are automatically tensioned when the engine is started and during operation. Tension is released when the engine is shut off.



# 1650 RT

**Excellent forward reach**

The Manitou radial-lift track loaders provide excellent forward reach at the middle of the lift path. This provides high performance for loading flatbed trucks, backfilling or dumping over a wall.

**Adapted skid loader chassis**

Aids in superior weight distribution, grading, tractive effort and ride control.

**Choice of controls**

Choose between pilot joystick, t-bar, or hand/foot controls on the 1650 RT to suit operator preference. A conversion kit is available for the pilot dual-hand control system.

### Rated operating capacity

35% of tipping: 794 kg - 839 kg  
50% of tipping: 1134 kg - 1199 kg

### Switchable controls

The operator can switch the controls from joystick to dual hand effortlessly.

1750 RT NXT3, 2100 RT NXT3, 2500RT NXT3

### Counterweight/bumper

Gain extra lifting capacity while offering increased rear protection. Optional on these models.

### Travel speed limit option

NXT3 models can adjust to lower maximum speed and allow full joystick movement. Operate hydraulically powered attachments at full speed with slow, controlled precision.

### IdealTrax™ automatic track tensioning system

eliminate daily tension checks and costly track replacements with the idealtrax™ system.

Tracks are automatically tensioned when the engine is started and during operation. Tension is released when the engine is shut off.



Ground clearance  
**333 mm**

Lifting height up to  
**3.2 m**

Capacity  
**.875 t**

### Horsepower management system

Monitors and adjusts the hydrostatic drive pump to produce the ideal tractive effort.



**Optimized radial boom**

Durable design provides increased strength and up to 128" (3251 mm) of lift height – higher than competitors with similar rated operating capacities.

**Straight tracking**

Programmed with a switch, straight tracking provides for simple in-cab operator adjustments when needed.

**Fold-up door**

This patented design provides cab-to-canopy versatility, all while maintaining low clearance and a Level II ROPS/FOPS certification.

**Ideal**  **ccess**

### Rated operating capacity

35% of tipping: 953 kg - 1134 kg  
50% of tipping: 1361 kg - 1620 kg

### Counterweight/bumper

Gain extra tipping capacity while offering increased rear protection. *Standard on the 2500 RT NXT3. Additional side-mounted counterweights optional on 2500RT NXT3.*

Ground clearance  
**335 mm**

Lifting height up to  
**3.2 m**

Capacity  
**1.25 t**

### Dedicated, welded track loader chassis

Custom built to aid in superior weight distribution, which enhances stability, grading, tractive effort, and ride control.

### Increased breakout forces

Class-leading lift breakout force and high tilt breakout force give you the power needed to break up a pile of dirt or remove tree stumps.

### IdealTrax™ automatic track tensioning system

eliminate daily tension checks and costly track replacements with the idealtrax™ system. Tracks are automatically tensioned when the engine is started and during operation. Tension is released when the engine is shut off.



**2100 RT<sub>NXT3</sub> - 2150 RT - 2500 RT<sub>NXT3</sub>**

**Pilot joystick controls**

The hydraulic-pilot controls found in the Manitou skid loader line control the 1850 RT and 2150 RT track loaders. By mounting the controls to the seat, they move with the operator. *Optional on the 1650 RT.*

**Rear visibility**

Rear lift arm support bar is positioned out of the sight line as the lift arm is raised. This allows for excellent visibility to the rear through the entire lift cycle.



**Fold-up door**

This patented design provides cab-to-canopy versatility, all while maintaining low clearance and a Level II ROPS/FOPS certification.

**IdealAccess**

# COMFORT

## Visibility

A cab-forward design enhances the view to the bucket cutting edge from the operator's seat. Extra-large side screens, combined with a low-profile lift arm design, provide a wide field-of-view to the side work areas.

## Pressurized cab

Optional, pressurized sealed cab enclosure with sound reduction material and large, rear-mounted cabin air filter provides a cleaner and quieter operating environment.

## Operator presence

Brakes are applied and hydraulics are disabled whenever the operator raises the restraint bar, leaves the seat or switches off the ignition.



## Armrests/restraint bars

All instrumentation and fully adjustable joystick control towers are conveniently located on the armrests for easy access. High-mounted restraint bars provide ample clearance for the operator's legs.





**Electric attachment control**

This factory-installed option controls multi-function attachments directly through the joystick.



Drive Sensitivity Adjustment	Operator Feel Emulation
5 - Rabbit	+ 20% = Fastest <ul style="list-style-type: none"> <li>• Highly Responsive</li> <li>• Highest Volume</li> </ul>
4	+ 10% = Quick <ul style="list-style-type: none"> <li>• Very Responsive</li> <li>• Control</li> </ul>
3	Standard Setting <ul style="list-style-type: none"> <li>• Normal Response Time</li> <li>• Focused Productivity</li> </ul>
2	- 10% = Precision <ul style="list-style-type: none"> <li>• Improved Control</li> </ul>
1 - Turtle	- 20% = High Precision <ul style="list-style-type: none"> <li>• Easy Control</li> <li>• More Precise</li> </ul>

**Drive sensitivity adjustment**

Five settings are available to adjust the operator drive speeds and response times. Each user can customize the control to their preference using the LCD display.  
*Available only on the 1750 RT, 2100 RT & 2500 RT*



**Climate control**

Heat is standard on all cab models. Upgrade to air conditioning for additional comfort.

# SERVICEABILITY

**IdealTrax™**

## **Idealtrax™ industry-exclusive Automatic track tensioning system**

- Eliminates the need for manually tensioning the tracks on the loader before operation, saving valuable time on the jobsite.
- Increases the life of the tracks (up to 15%\* in tested conditions), sprockets and bearings by ensuring the proper tension immediately upon start-up and during use, and tension release when the machine is shut down.
- Track changes in the field are facilitated with a simple switch in the rear compartment.
- Removing a track without the IdealTrax™ system can take up to one hour per track. With IdealTrax™, it takes just minutes.

\*Track life improvement varies greatly depending on conditions, application and upkeep; results may vary.



ENGINE NOT RUNNING



ENGINE RUNNING

### **17-Tooth sprockets**

17-tooth, forged drive sprockets have 40% more hardness depth for improved sprocket life. Larger sprockets increase track-to-chassis clearance, so tracks can be cleaned out with ease.



**Tiltable ROPS/FOPS assembly**

Featuring gas-spring assist for easy internal access to the pumps, hydraulic valve bank and drive motors.

**Engine access**

Full access to filters and reservoirs for servicing and maintenance is made possible by a swing-out rear door and a large, lockable engine cover.

**Safety restraint**

Innovative restraint allows for secure positioning of the cab in the maintenance position. Restraint can be secured in position by one person.

**Tilt-out foot pod**

This feature allows for best-in-class foot well cleanout and provides perfect access to the fuel tank and other components under the cab. *Except on the 1650RT*



## Need Versatility?

Gehl offers a variety of accessories and upgrades that can be easily added to new or used equipment. These can help enhance an existing unit or customize one for a particular job. Whether you are looking to add a counterweight, boost your hydraulics, or enclose a cab to add heat and air conditioning, Gehl has the options you need to craft your ideal ride.



### All-Tach®

All models feature the easy-to-use All-Tach® (universal-style) attachment mounting system compatible with most allied attachments.

### Single lever

for simplicity and strength.

### Heavy duty mounting plate

for increased rigidity over tube style.





## A wide variety of Manitou attachments

S- Std. Flow H- High Flow A- Available accessories

	1650 RT	1750 RT NXT3	1850 RT	2100 RT NXT3	2150 RT	2500 RT NXT3
<b>Augers - Chain Drive</b>						
1650 CL Auger Drive - Round - 2 9/16" (65 mm)	S	S	S	S	S	S
1650 CLH Auger Drive - Hex - 2" (51 mm)	S	S	S	S	S	S
<b>AUGERS - PLANETARY DRIVE</b>						
PA 210 Planetary Auger Drive - Round - 2 9/16" (65 mm)	S	S	S	S	S	S
PA 220H Planetary Auger Drive - Hex - 2" (51 mm)	S	S	S	S	S	S
<b>AUGER - BITS</b>						
SQ 9" (229 mm) Auger Bit - Round - 4 teeth - 2 9/16" (65 mm)	A	A	A	A	A	A
SQ 12" (305 mm) Auger Bit - Round - 4 teeth - 2 9/16" (65 mm)	A	A	A	A	A	A
SQ 9" (229 mm) Auger Bit - Hex - 4 teeth - 2" (51 mm)	A	A	A	A	A	A
SQ 12" (305 mm) Auger Bit - Hex - 4 teeth - 2" (51 mm)	A	A	A	A	A	A
SQ 18" (457 mm) Auger Bit - Hex - 6 teeth - 2" (51 mm)	A	A	A	A	A	A
<b>BRUSH MOWER</b>						
Standard Flow Rotary Brush Mowers - 48", 60", 66", 72", 78"	S	S	S	S	S	S
High Flow Rotary Brush Mowers - 72", 78", 90"	H	H	H	H	H	H
<b>PALLET FORKS</b>						
Pallet Fork Frame - Heavy Duty - Requires two tines Can customize with dealer name (on orders of 10 or more)	A	A	A	A	A	A
Heavy Duty Class II Tine 48" (1219 mm)	A	A	A	A	A	A
Side Shift pallet Fork with 48" (1219 mm) Tines	S	S	S	S	S	S
Sliding Tine Pallet with 48" (1219 mm) Hydraulic Sliding Tines	S	S	S	S	S	S
<b>LOG GRAPPLES</b>						
Log Grapple	S	S	S	S	S	S
<b>GRADER BLADES</b>						
8" (203 mm) Grader Blade with proportional current valve	S	S	S	S	S	S
<b>RAKES</b>						
76" (1930 mm) Auto Rake	S	S	S	S	S	S
82" (2083 mm) Grader Rake	S	S	S	S	S	S
76" (1930 mm) Preparator Rake	S	S	S	S	S	S
90" (2286 mm) Power Rake with hydraulic angle	S	S	S	S	S	S
<b>MULCHER</b>						
48" (1219 mm) Brush Mulcher	S	S	S	S	S	S
<b>ROCK WHEEL</b>						
Rock Wheel with 4.5" (114 mm) wheel, Dual Circuit		H	H	H	H	H



**MANITOU**

**1650 RT**





## **TO EACH HIS OWN... STYLE**

Manitou offers a wide range of products and services to provide you with an ownership experience that is second to none.



**Radial-lift**



**1650 RT**

Engine Brand		<b>Yanmar</b>
Horsepower	HP (kW)	<b>69.3 (51.7)</b>
Displacement	cu. in. (L)	<b>203 (3.3)</b>
Rated Operating Capacity (SAE)	lbs. (kg)	<b>1,650 (748)</b>
Auxiliary Hydraulic Flow	gpm (l/min)	<b>18.7 (71)</b>
High-Flow	gpm (l/min)	<b>30.1 (114)</b>
Travel Speed	mph (km/h)	<b>10 (16.1)</b>
Operating Weight	lbs. (kg)	<b>8,020 (3638)</b>
Length with Bucket	in. (mm)	<b>126.2" (3205)</b>
Width with Bucket	in. (mm)	<b>66" (1676)</b>



**1750 RT**

**1850 RT**

Engine Brand		<b>Yanmar</b>
Horsepower	HP (kW)	<b>69.3 (51.7)</b>
Displacement	cu. in. (L)	<b>203 (3.3)</b>
Rated Operating Capacity (SAE)	lbs. (kg)	<b>1,750 (794)</b>
Auxiliary Hydraulic Flow	gpm (l/min)	<b>18.5 (70)</b>
High-Flow	gpm (l/min)	<b>34 (128.8)</b>
Travel Speed	mph (km/h)	<b>7.7 (12.4)</b>
Operating Weight	lbs. (kg)	<b>8,605 (3903)</b>
Length with Bucket	in. (mm)	<b>144" (3658)</b>
Width with Bucket	in. (mm)	<b>65.9" (1674)</b>

		<b>Yanmar</b>
Horsepower	HP (kW)	<b>69.3 (51.7)</b>
Displacement	cu. in. (L)	<b>203 (3.3)</b>
Rated Operating Capacity (SAE)	lbs. (kg)	<b>1,850 (839)</b>
Auxiliary Hydraulic Flow	gpm (l/min)	<b>18.5 (70)</b>
High-Flow	gpm (l/min)	<b>34 (128.8)</b>
Travel Speed	mph (km/h)	<b>8.8 (14.2)</b>
Operating Weight	lbs. (kg)	<b>9,160 (4128)</b>
Length with Bucket	in. (mm)	<b>148" (3754)</b>
Width with Bucket	in. (mm)	<b>65.9" (1674)</b>



**2100 RT**

Engine Brand		<b>Yanmar</b>
Horsepower	HP (kW)	<b>72 (53.7)</b>
Displacement	cu. in. (L)	<b>203 (3.3)</b>
Rated Operating Capacity (SAE)	lbs. (kg)	<b>2,100 (953)</b>
Auxiliary Hydraulic Flow	gpm (l/min)	<b>21.8 (82.5)</b>
High-Flow	gpm (l/min)	<b>35.9 (135.8)</b>
Travel Speed	mph (km/h)	<b>8.9 (14.3)</b>
Operating Weight	lbs. (kg)	<b>9,800 (4445)</b>
Length with Bucket	in. (mm)	<b>148.1" (3762)</b>
Width with Bucket	in. (mm)	<b>73.9" (1877)</b>



**2150 RT**

	<b>Yanmar</b>	
HP (kW)	<b>72 (53.7)</b>	
cu. in. (L)	<b>202 (3.3)</b>	
lbs. (kg)	<b>2,150 (953)</b>	
gpm (l/min)	<b>21.8 (82.5)</b>	
gpm (l/min)	<b>35.9 (135.8)</b>	
mph (km/h)	<b>8.8 (14.2)</b>	
lbs. (kg)	<b>9,900 (4491)</b>	
in. (mm)	<b>148.4" (3769)</b>	
in. (mm)	<b>73.9" (1877)</b>	

**2500 RT**

	<b>Deutz</b>	
HP (kW)	<b>74.3 (55.4)</b>	
cu. in. (L)	<b>221 (3.6)</b>	
lbs. (kg)	<b>2,500 (1134)</b>	
gpm (l/min)	<b>24.9 (94.3)</b>	
gpm (l/min)	<b>37.4 (141.6)</b>	
mph (km/h)	<b>8.2 (13.2)</b>	
lbs. (kg)	<b>11,470 (5203)</b>	
in. (mm)	<b>157.8" (4008)</b>	
in. (mm)	<b>83.9" (2131)</b>	

	<b>1650 RT</b>	<b>1750 RT</b>	<b>1850 RT</b>	<b>2100 RT</b>	<b>2150 RT</b>	<b>2500 RT</b>
<b>PERFORMANCE</b>						
All-Tach® Mounting System	S	S	S	S	S	S
IdealTrax™ Automatic Track Tensioning System	S	S	S	S	S	S
Straight Tracking		S		S		S
Power-A-Tach® Mounting System	0	0	0	0	0	0
Selectable Self-Leveling Lift Action	0	0	0	0	0	0
Two-speed Hydrostatic Drive System	S	S	S	S	S	S
Horsepower Management System		S		S		S
<b>ENGINE</b>						
Engine Alert System with Error Display	S	S	S	S	S	S
Engine Automatic Shutdown System	S	S	S	S	S	S
Glowplugs Starter Assist	S	S	S	S	S	S
Dual-Element Air Cleaner with Indicator	S	S	S	S	S	S
ECO Mode						
<b>HYDRAULICS</b>						
Auxiliary Hydraulics	S	S	S	S	S	S
High-Flow Auxiliary Hydraulics	0	0	0	0	0	0
<b>UNDERCARRIAGE</b>						
Elevated Planetary Final Drives	S	S		S		S
Maintenance Free Rollers Each Side	3	3	4	4	5	4
Single Flange Front/Dual Flange Rear Idlers	S	S	S	S	S	S
Rubber Track Undercarriage System	S	S	S	S	S	S
Servo-Controlled Hydrostatic Drive	S	S		S		S
Dedicated Undercarriage		S	S	S	S	S
<b>STRUCTURE</b>						
Tilt-out Foot Pod		S	S	S	S	S
Back-up Alarm	0	S	S	S	S	S
Combination Radiator & Hydraulic Oil Cooler	S	S	S	S	S	S
ROPS/FOPS Level II Overhead Guard	S	S	S	S	S	S
Anti-Vandalism Lock Provisions	S	S	S	S	S	S
Mechanical Lift Cylinder Lock	S	S	S	S	S	S

	<b>1650 RT</b>	<b>1750 RT</b>	<b>1850 RT</b>	<b>2100 RT</b>	<b>2150 RT</b>	<b>2500 RT</b>
<b>OPERATOR STATION</b>						
Pressurized Cab Enclosure with A/C	0	0	0	0	0	0
Fold-Up Door		0	0	0	0	0
Multi-Function Function Display Screen	S	S	S	S	S	S
Drive Sensitivity Adjustment		S		S		S
Electronic Attachment Control - 14-Pin Connector	0	0	0	0	0	0
Electro-Hydraulic Joystick Controls		S		S		S
Selectable Control Pattern Configuration (ISO / Dual-Hand)		0		0		0
Variable Speed Control, Selectable On & Off		0		0		0
Foot Throttle	S	S	S	S	S	S
Full-Suspension Seat	S	S	S	S	S	S
Air Suspension Seat	0	0	0	0	0	0



**Integrated LCD display**

Easy-to-use, multi-function display incorporates all warning/operation lights and machine configuration screens. Single button allows for simple scrolling and selection of various display functions. *1650RT / 3200VT shown*



**Rear view camera**

Increase visibility to the rear of the machine with a rear view camera.



**Radio option**

Factory-installed, this AM/FM deluxe radio option customizes the cab.



**Power-A-Tach<sup>®</sup>**

Power-A-Tach<sup>®</sup> all-weather system option allows users to quickly install and remove attachments. An operator leaves the seat only to connect auxiliary hydraulics. This system is compatible with most allied attachments.

Votre concessionnaire :



Siège social  
B.P. 249 - 430 rue de l'Aubinière - 44158 Ancenis Cedex - France  
Tél. : 00 33 (0)2 40 09 10 11 - Fax : 00 33 (0)2 40 09 10 97



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