

A re-evolution in slope-tool carrier



Catalogue
Vitrac



Vitrac – the new generation of tool carriers

Designed for heroic viticulture,
Vitrac delivers unmatched
stability and traction.



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A new generation, innovative design, proven quality:
The new Vitrac combines increased power and new features with its hallmark agility and sophisticated safety concepts – perfect for use in the **tightest spaces** and on **steep slopes**.

Vitrac has become an indispensable asset in many vineyards. Building on years of practical experience, this new generation takes proven capabilities to the next level. More power, even greater flexibility, and noticeably enhanced operator comfort make the new Vitrac the ideal partner for the challenges of modern viticulture. Developed for those who strive to get the most out of their land, every single day.



	Weight	Basic machine from 875 kg / 1,929 lbs
	Performance	18.9 kW (25.7 hp) / 2,600 rpm / 120 Nm at 1,400 rpm
	Steering	± 82°



Agile & safe

In countless regions, vineyards line steep slopes, contributing to a unique landscape. Whether consisting of horizontal terraced systems or rows planted along the fall line, the targeted development and cultivation of these steep slopes are what make productive, high-quality viticulture possible.

For a long time, cultivating vines in these steep terraces and narrow rows was a laborious, manual task. To support winemakers, Willy Mulser developed the Vitrac tool carrier in collaboration with South Tyrolean vintners.



Uncompromising maneuverability

Trust through safety

Flexible on any terrain

Developed specifically for steep slopes, narrow vine rows, and uneven terrain.

Stability on steep slopes

The Vitrac tool carrier offers impressive stability even on challenging terrain. This is achieved through a long wheelbase and a low center of gravity, which ensure safe and smooth handling. This is further supported by various tire options, including the option of dual wheels, which provides additional traction and stability. The driver's low seating position contributes to a stable driving feel and good vehicle control, while the overall design provides excellent all-around visibility.

The concept is complemented by various safety features such as an intelligent oscillating joint lock, engine protection, a roll bar, and two emergency exits, which further increase occupational safety.

Down-the-slope rows

Vineyards with down-the-slope rows require high-traction machinery, as the vehicles operate directly along the fall line of the slope. Therefore, a finely dosable all-wheel drive, good brakes, and sufficient power for uphill climbs are essential. At the same time, the machines must be lightweight and soil-friendly to perform work efficiently. The establishment of turning areas significantly increases driving safety. On steep terrain, these areas are often reinforced with concrete, stone, or geo-walls.

Turning area & turning radius

Setting up turning areas significantly increases driving safety. On steep terrain, these areas are often reinforced with concrete, stone, or geo-walls.

For a total width of 91 cm (36 in) the following values apply:

Inner radius: approx. 40 cm (16 in)

Outer radius: approx. 138 cm (54 in)

Thanks to the double articulated joint, Vitrac can achieve a steering angle of approximately 82° without losing stability.

Row width

With an overall length of 2.72 m (8 ft 11 in) or 2.46 m (8 ft 1 in), depending on the operating direction, a width of 82 cm (32 in), and precise steering, Vitrac offers decisive advantages: It can enter the next row directly at a row spacing of only 1.30 m (4 ft 3 in) without the need for multiple turning maneuvers.

Operation & comfort

Everything is within reach and under control, ensuring maximum safety and agility while driving.



Air-suspended comfort seat

The right joystick: a true multitool

Multifunction screen

Driver's station: Comfort meets precision



Air-cushioned comfort seat

High seating comfort is particularly important during long working hours. For this reason, we have installed an ergonomic, high-quality seat that makes operating the tool carrier as comfortable as possible. Shocks and vibrations are dampened by rubber buffers. Another benefit: The joystick is attached to the armrest of the Grammer air-cushioned reversible seat. This guarantees a high level of driving and operating comfort in both driving directions.



The right joystick: an all-round talent

It couldn't be simpler: The multifunction joystick lets you operate drive and accessory functions with one hand. The machine recognizes the attached accessory unit, whereupon the joystick automatically adjusts and optimally coordinates its functions.



Integrated keypad – maximum control at the touch of a button

The keypad integrated into the armrest ensures clear and comfortable operation in everyday work. All important functions can be controlled directly and intuitively:

- Differential lock
- Speed preselection
- Cruise control speed preselection
- Light control (on/off)

The well-thought-out layout allows for fast, safe operation without interrupting the workflow.



Multifunction display: All information at a glance

All relevant operating data is clearly presented on the color display. Depending on the attached accessory unit, the user receives precisely the information critical to the current application – from temperature, speed, and daily and total distance to specific unit data such as spray pressure, lifting capacity, or switching states. The integrated menu also allows monitoring of maintenance intervals and convenient adjustment of individual settings for the base machine and accessory units.



Driver's station: Comfort meets precision

Experience maximum control and superior ease of operation: An ergonomically positioned, tilt-adjustable steering wheel allows for precise and intuitive steering – for a secure driving feel in every situation. The accelerator pedal ensures stepless speed control across the entire range, guaranteeing optimal adaptation to every driving task. Efficiency, comfort, and control – perfectly combined in the driver's station.



Type examination: Safety with responsibility

Safety is our lived responsibility. We therefore have our products voluntarily type-tested. The testing is carried out by Suva CERTIFICATION, an accredited and notified certification body that confirms that our machines meet all relevant safety requirements. This allows us to offer certified quality and peace of mind during operation.

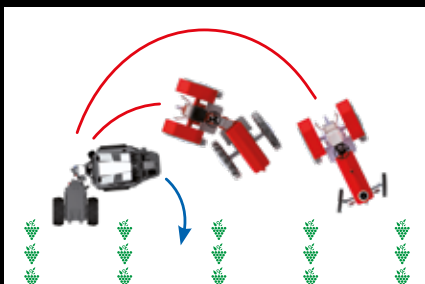
Maneuverability & soil preservation

Superior steering thanks to double articulated joint.



Double articulated joint

Extremes are no problem for Vitrac: Due to the double articulated joint, the tool carrier can reach a steering angle of approximately 82° without becoming unstable. This is due to the central positioning of the central joint, whereby the axis of rotation – even when steered – runs parallel to the vehicle's longitudinal axis. Even the smallest steering movements can be executed with extreme precision via the steering wheel.



Narrow, compact & agile

Thanks to track-accurate steering, Vitrac can enter the next row directly at a row spacing of only 1.30 m (4 ft 3 in) without having to maneuver multiple times. Only the front passage needs to be considered, as the rear does not swing out.



Perfectly balanced

Vitrac's front section is perfectly balanced, as the internal combustion engine and the hydraulic components are laid out centrally, with the driver's weight positioned above the center of the wheel. The back section of the truck is also balanced, as the sprayer is located above the center of the wheel. The entire machine is, therefore, in perfect equilibrium with barely any pressure on the central joint.



Stable frame

Vitrac combines maximum stability with lightness. The intricate structure of the high-tensile steel frame is both lightweight and stable. The underside is armored with front and rear steel panels to prevent damage from collision. The central joint also guarantees perfect ground adjustment.



Soil protection through low weight

To protect the soil's sensitive biological activity, the weight of the tool carrier has been reduced to 875 kg (1,929 lbs), while optional tires with widths up to 30 cm (11.8 in) ensure low ground pressure. The symmetrical design of the frame and steering ensures precise wheel tracking even when cornering. This reduces stress on the drivetrain and ensures long-term soil protection.

Performance & efficiency

Outstanding components to ensure superior performance and maximum efficiency.



Compact power. Maximum efficiency. KSD 1403 TCA

The Kohler KSD 1403 TCA is a modern 3-cylinder diesel engine with a 1,391 cc displacement, up to 18.9 kW (25.3 hp) of power, and 120 Nm (88.5 lb-ft) of torque – robust, powerful, and highly versatile. Weighing only 126 kg (277.8 lbs) and featuring compact dimensions, the engine is optimally positioned within the frame, achieving a low center of gravity and high driving stability. The combination of common-rail injection, turbocharger, and intercooling ensures efficient combustion, low fuel consumption, and smooth operation. At the same time, the engine meets all current emission standards (Stage V / Tier 4). The robust, easy-to-maintain design and high level of integration make the Vitrac, equipped with the KSD 1403 TCA, an economical solution for professional applications.



Cooling even in extreme temperatures

Even on the hottest days, the Vitrac keeps a cool head: The generously sized radiator ensures adequate cooling for the engine, charge air, and hydraulic oil. Additionally, the protective grille can be removed for cleaning without tools. A Cleanfix reversible fan is available as an option.



Radiator cleaning

Thanks to the Cleanfix reversible fan, the radiator can clean itself. Cleaning occurs fully automatically or is initiated manually via the display, without the operator having to leave the controls. This function is available as an option and is aimed at customers with high demands for comfort and performance.



Highly efficient hydraulic power

The drive and accessory units are powered by an electronically controlled dual axial piston pump. One pump supplies the drive with 96 l/min (25.4 gpm) at 350 bar (5,076 psi), while the second reliably operates the accessory units hydraulically with 46 l/min (12.2 gpm) at 250 bar (3,626 psi). A separate gear pump is available for steering and cylinder movements. All hydraulic components are designed for maximum efficiency, precise control, and a long service life – for reliable performance in daily use.



Off-highway electronic components

Only tested off-highway components are used for machine control. A robust, high-performance control system ensures precise and reliable operation. Mechanical fuses and switching elements have largely been replaced by short-circuit- and overload-protected electronic solutions. This enables high operational reliability, easy diagnostics, and low-maintenance, comfortable use.

Hydrostatic drive

Innovative all-wheel drive for higher performance

The hydraulic all-wheel drive with radial piston motors was specifically developed for the demanding conditions on steep slopes. It ensures an even distribution of drive forces, offers high starting torque, and simultaneously enables sensitive power control.

Self-braking system

Thanks to the self-locking hydraulic drive, the Vitrac cannot roll downhill uncontrollably. Regardless of the terrain, the vehicle is automatically braked as soon as the drive pedal is released – making even hill starts effortless!

Spring-loaded brakes for increased safety on steep slopes

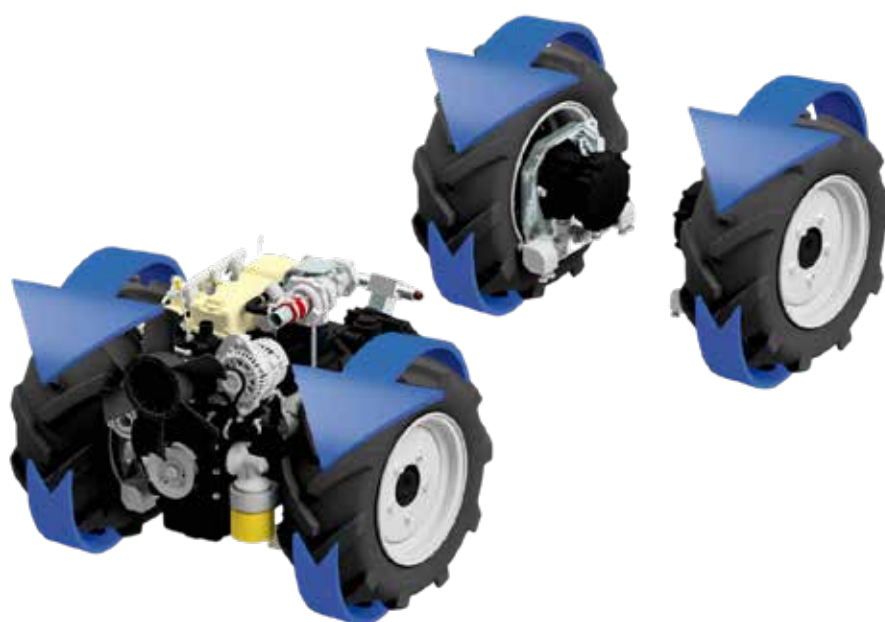
The 4 independent spring-loaded brakes, one in each drive wheel, ensure safe stopping when the direction switch is set to neutral, the driver's station is vacated, or the diesel engine is stopped.

Differential lock

The hydraulic differential lock prevents wheel spin and can be engaged and disengaged in a fraction of a second – even under full load. It operates without any loss of power, ensuring that drive force is evenly distributed to all four wheels, even in extreme situations.

Speed controller

At the touch of a button, the electronic cruise control maintains a constant speed, enabling consistent, precise performance. Regardless of the accessory unit and engine speed, the selected speed is continuously monitored and precisely regulated to enhance comfort, efficiency, and optimal results.



Highlights

Versatility

Quick and easy driver's station rotation and accessory unit changes.



The reversible seat

The reversible seat allows for comfortable and efficient operation of pushed and pulled accessory units. With a 180-degree turn, the entire seat, including all controls, can be switched tool-free and in no time.



Quick change of accessory units

Vitrac offers a versatile range of accessory units, perfectly matched to the most diverse requirements year-round. The assembly and disassembly of the accessory units is fast, easy, and requires minimal effort – this keeps Vitrac flexible and ready for immediate use at all times. The uncomplicated change saves valuable time in everyday work, improves operational comfort, and ensures every task is completed efficiently and reliably.



Automatic recognition of accessory units

Innovative and intelligent: The vehicle automatically detects which accessory unit is attached and perfectly adjusts all unit settings, including oil quantity and operating components. Furthermore, a CAN bus interface enables Vitrac to manage even the most complex accessory units.



High-performance hydraulic PTO

Vitrac is equipped with a high-performance hydraulic PTO as standard. Its pump can supply at 250 bars up to 46 l / 12.2 gal per minute. The diesel engine's power is hydraulically transferred to the accessory unit without turning shafts, eliminating twist torque between the front and rear of the truck and, hence, minimizing the risk of tilting.

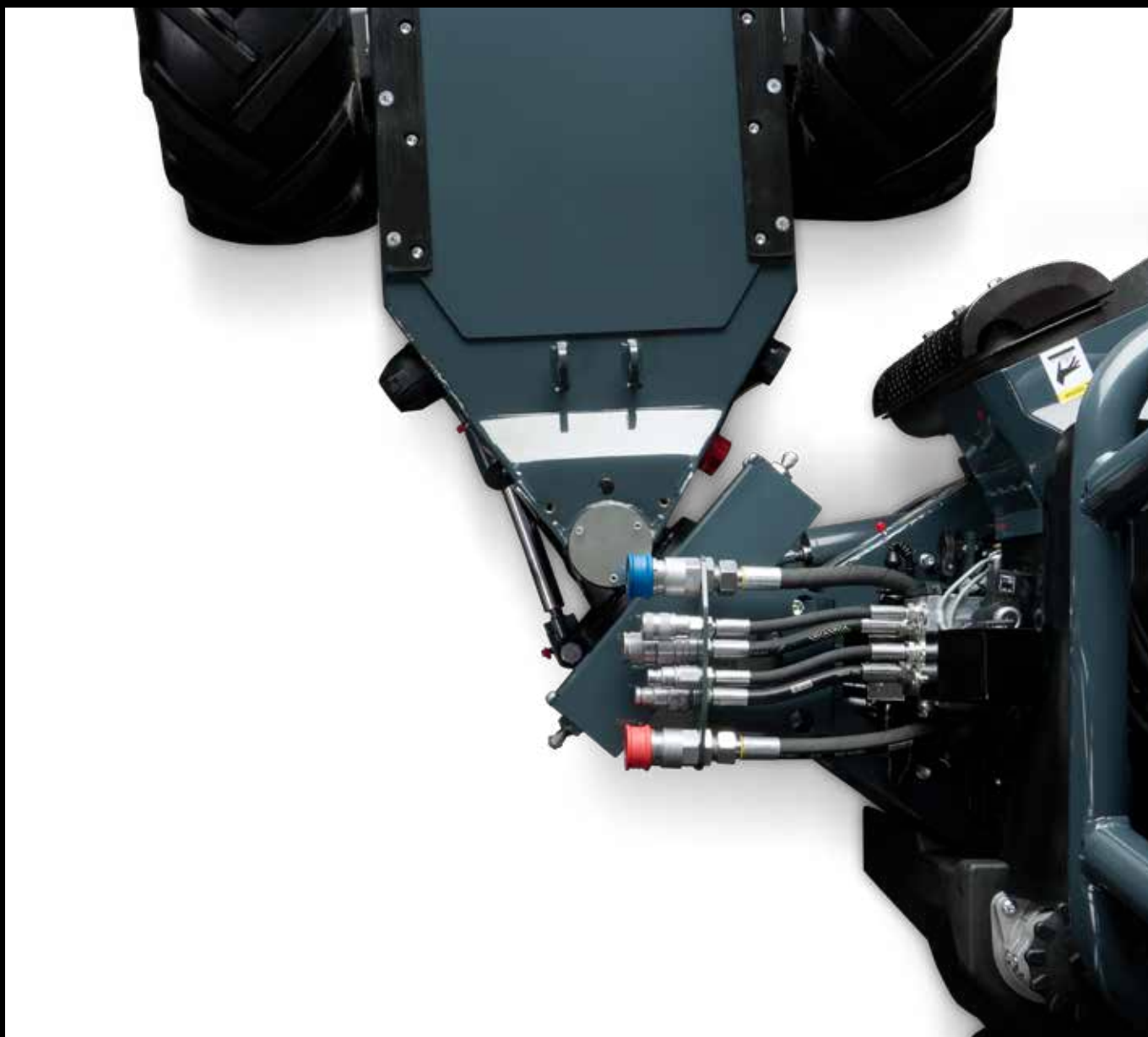
Safety

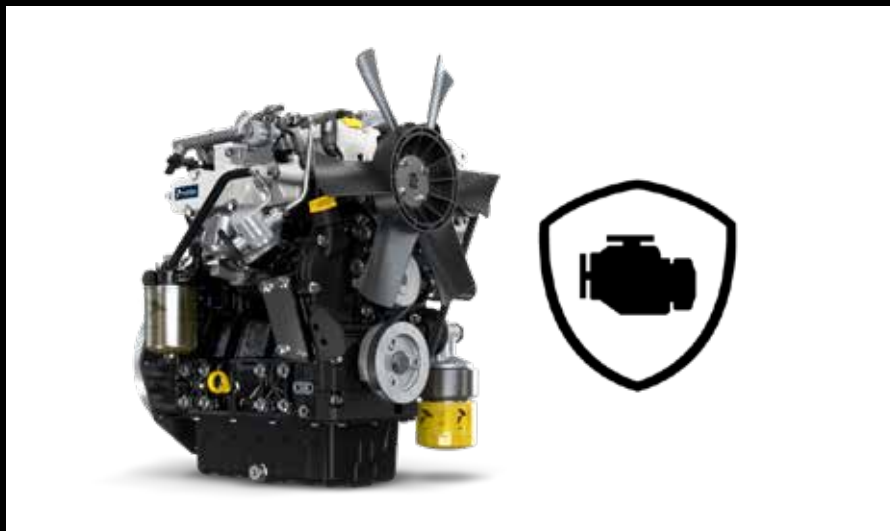
Active stabilization via **lockable central pendulum joint** – maximum tilt stability in off-road terrain.



№ EP2777965A1

An intelligent control system detects a dangerous situation at an early stage. For this purpose, sensors continuously monitor the load on each individual wheel. As soon as a loss of ground contact is detected on a wheel, the control system automatically locks the pendulum joint to increase vehicle stability. At the same time, the operator is alerted to the critical situation by an acoustic warning signal.





Engine protection switch

If the tool carrier should tip over in an extreme situation, the diesel engine is switched off immediately and automatically. This prevents the uncontrolled suction of engine oil and significantly reduces the risk of serious engine damage. Additionally, a specially developed float mechanism in the hydraulic tank cap reliably prevents hydraulic oil from leaking, even if the vehicle is tilted.



Protective roll cages

Two different roll cage designs offer optimal protection for the driver and the tool carrier in the event of a rollover. A high version is available for maximum safety in the head area. For use in pergola systems, a lower variant has been developed that ensures effective protection even with limited clearance height. When rotating the driver's seat, the roll cage can be quickly and easily moved to the required position without tools.



Robust underbody protection

Protected all around: High-strength steel plates on the vehicle underside reliably protect all mechanical and electrical components from damage caused by stones, branches, and other obstacles. The enclosed wheel arches also effectively prevent grass, dirt, and plant residues from entering the engine compartment. This protects sensitive components and increases operational safety, even under demanding operating conditions.



Maximum stability on steep slopes

The exceptional stability of the Vitrac is based on its consistently low center of gravity – a crucial prerequisite for safe and efficient work on steep terrain. To keep the center of gravity as low as possible, the diesel engine and all hydraulic components are positioned deep within the vehicle. The load-bearing platform is made of high-strength steel, while lightweight materials are used for higher-positioned components. This design principle, which is also applied in aviation, improves driving stability and increases safety, even under the most demanding operating conditions.



Emergency exit on both sides

Access to the driver's station is via the left side of the vehicle as standard. For emergency situations, an exit is also provided on the right side. By simply folding the armrest outwards, a quick and safe emergency exit is enabled.

Customer satisfaction

Simple maintenance. Increased productivity.



Maintenance in an instant

Never has it been easier to perform maintenance work in the engine compartment. Simply slide the driver's seat back – entirely tool-free and without demounting any attached accessory units.

This makes all critical service points quickly and easily accessible, reducing maintenance times and maximizing the machine's operational readiness.



Comfortable service intervals

The Vitrac also impresses in terms of maintenance costs, thanks to a well-thought-out concept. Following initial maintenance at 100 operating hours, regular service work is required only every 250 operating hours or once a year.

A notification on the display reminds the driver of the next service date in good time. High-quality components, generously dimensioned filters, and a service-friendly design ensure reliable operation and predictable maintenance requirements.



Simple fault diagnostics

Should a malfunction occur, the intelligent diagnostic system immediately informs the driver via the display. Error messages are displayed clearly and understandably, allowing causes to be identified quickly and resolved in a targeted manner.

This reduces troubleshooting time, shortens downtime, and ensures high machine availability for daily use.



Spare parts always available

With the digital WORKspace, ordering spare parts is easier than ever before. Thanks to clear exploded-view drawings and digital component views, the required spare part can be identified quickly and unambiguously. The desired part can be ordered directly with just a few clicks – without tedious catalog searches or time-consuming inquiries. This saves time, reduces downtime, and ensures the machine is quickly ready for operation again. You benefit from fast, uncomplicated spare parts supply and maximum availability of your machine.



Quality guarantee

The Vitrac is entirely developed, manufactured, and assembled by WM technics. Through this high level of vertical integration, we keep every production step under control and can ensure the highest quality standards. From design to final assembly, the machine is created from a single source. This guarantees consistently high quality, short reaction times, and reliable adherence to delivery dates. Our customers receive a durable, reliable, and thoughtfully designed machine – built with the quality standards of WM technics.

Facts & figures



Vitrac

Engine	Kohler diesel KSD 1403TCA
Weight	Basic machine 875 kg / 1,929 lbs
Perm. total weight	1,600 kg / 3,527 lbs
N. of cylinders	3
Performance / rpm	18,9 kW (25,7 HP) / 2,600 rpm / 120 Nm at 1,400 rpm
Displacement	1,391 ccm / 84.8 in ³
Drive	Stepless, hydraulic all-wheel drive (0.2 - 12 km/h / 0.1 - 6.2 mph) with electronic speed control
Axles	Hydraulic single-wheel drive radial piston motors
Differential lock	Powershift hydraulic differential lock

Steering	Double articulation (+/- 82°)
Central joint lock	Central location with patented joint lock system and independent wheel monitor
Service brake	Hydrostatic
Parking brake	Hydraulically controlled negative brakes on all 4 wheels
PTO	Can be regulated hydraulically via piston pump in both directions 250 bar from 0 to 46 l / 12 gal
Working hydraulics 1	Gear pumps max. 17 l / 4.5 gal and 160 bar, electrohydraulic proportional valves
Working hydraulics 2	Gear pumps max. 28 l / 7.4 gal and 180 bar, single-acting

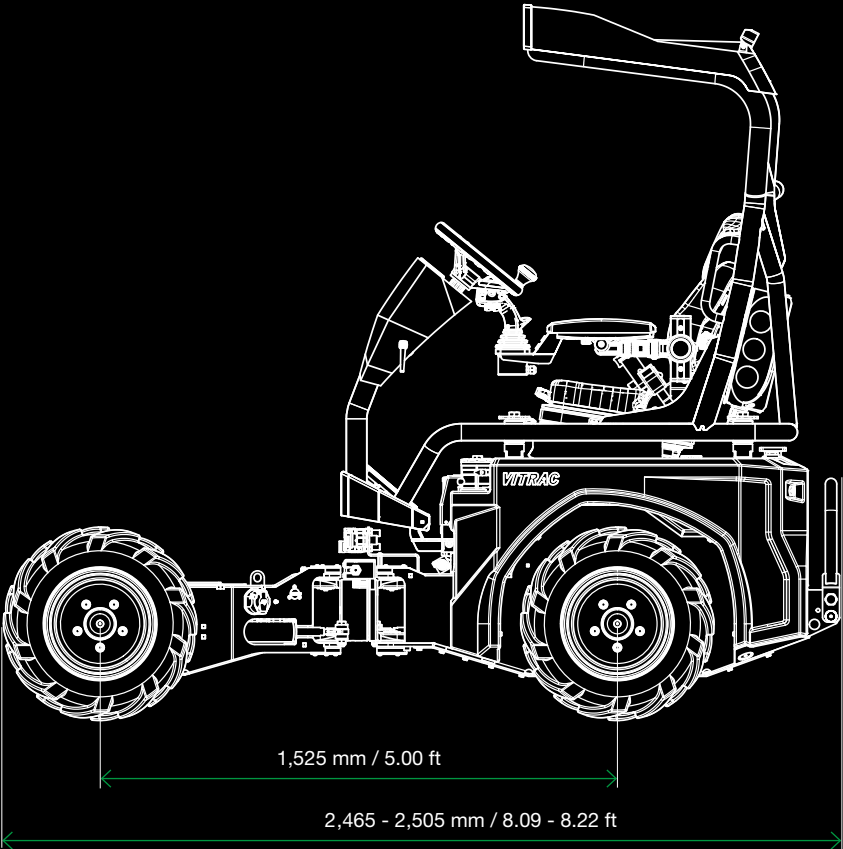
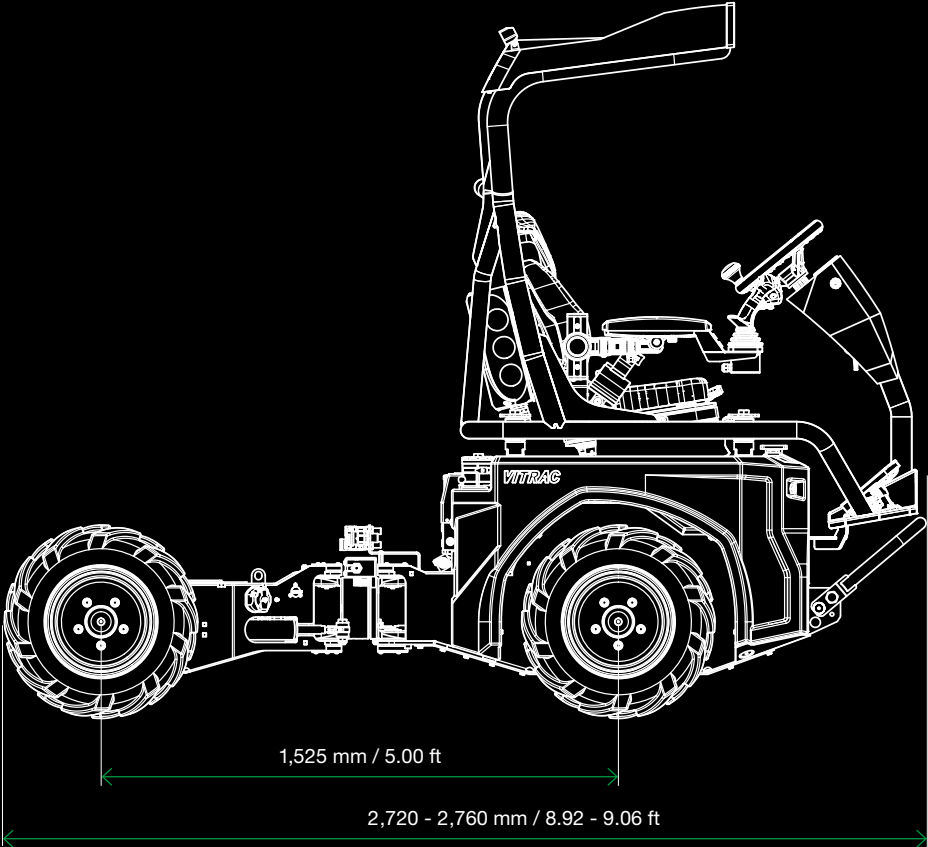
General

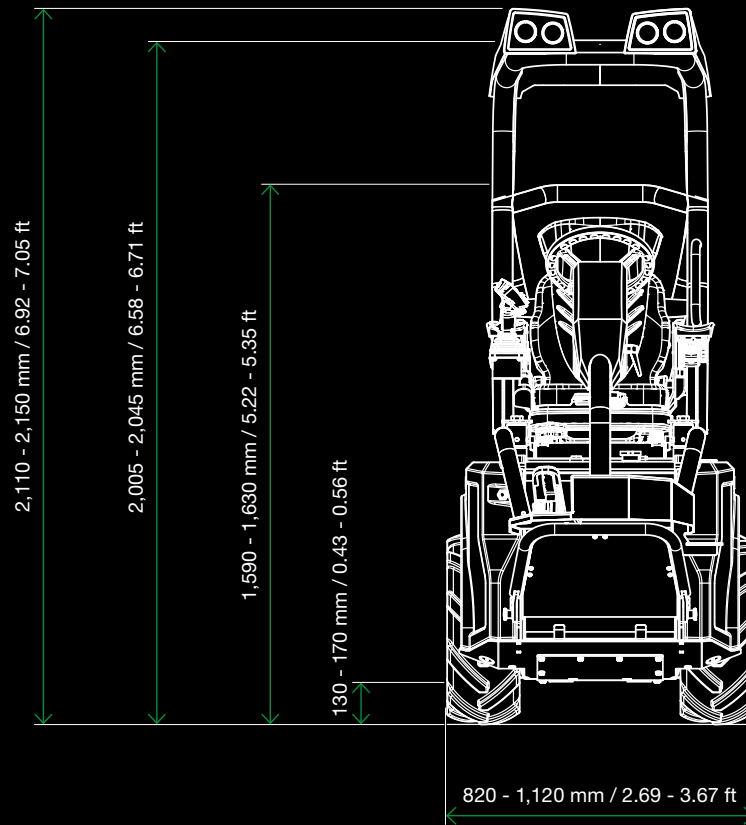
Driver's station	Supported by 4 rubber buffers, rotatable by 180°, adjustable steering wheel, multifunction joystick for operation.	Tires	23 × 8.50 - 12 10PR with 1,5 bar air pressure (Width 91 cm / 36 ft)
Seat	Air-cushioned, longitudinally and height adjustable, synthetic leather cover, back height and incline adjustable, armrest: height, length and side-way adjustable.	Optional	5.70 - 12 8PR mit 3,0 bar air pressure (Width 82 cm / 32 ft) 185/65 - 15 4PR with 3 bar air pressure (width 86 cm / 34 ft) 185/65 - 15 4PR with 3 bar air pressure (width 95 cm / 38 ft) 23 × 10.50 - 12 10PR with 1 bar air pressure (width 104 cm / 41 ft) 26 - 12.00 - 12 8PR with 1 bar air pressure (width 110 cm / 43 ft)
Instruments	All relevant operating data is clearly displayed on the 4.3-inch screen. Functions can also be controlled and operating parameters individually adjusted.	Wheel base	1,525 mm / 5 ft
Hand-arm vibrations	< 2.5 m/s ² / < 8.2 ft/s ²	Total length with tires 23 x 8.50 - 12	2,720 mm / 8.9 ft with seat in the standard driving direction 2,465 mm / 8.0 ft with seat in the reverse driving direction
Whole-body vibrations	< 0.5 m/s ² / < 1.6 ft/s ²	Height with tires 23 x 8.50 - 12	- with low roll bar: 1.590 mm / 5.2 ft - with high roll bar: 2.005 / 6.6 ft - with high roll bar and roof 2.110 mm / 6.9 ft
Electric system	12V 44Ah, light system 45A, electronic control unit with outputs/inputs for accessory units.	Operating temperature	-15 °C to +40 °C / 5 °F to 104 °F
Fuel tank	22 l / 5.8 gal	Outer turning circle with tires 23 x 8.50 - 12	- Outer turning circle: 810 mm / 2.6 ft - Outer turning circle: 2.695 mm / 8.8 ft
Hydraulic system	24 l / 6.3 gal (type HVLP 46)		



All information is provided without guarantee; errors and changes reserved.

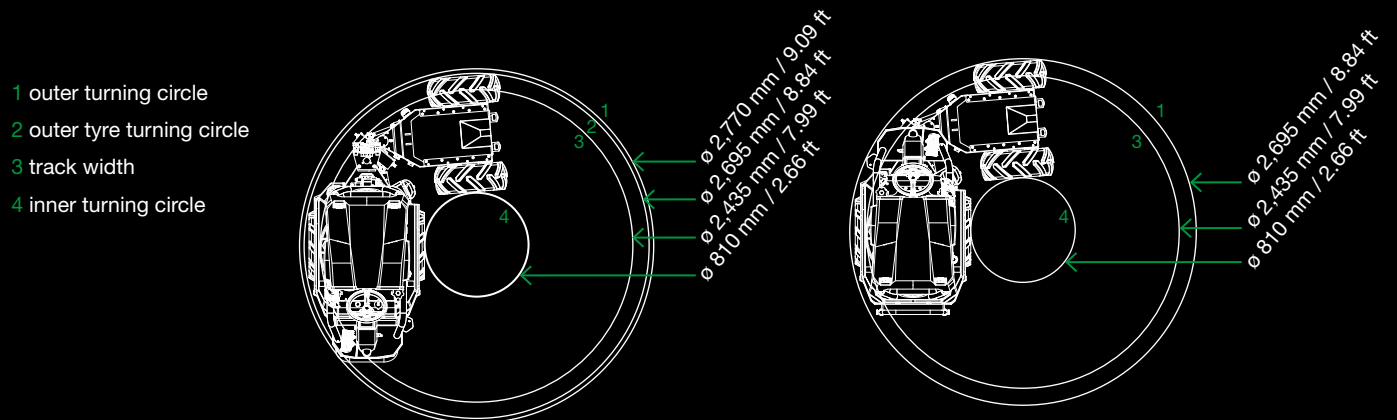
Dimensions





Turning circle

Width Vitrac 91 cm / 2.99 ft

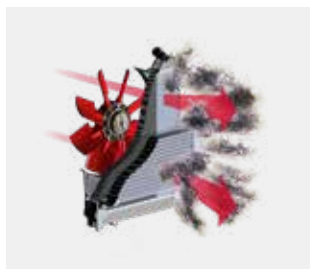


Vitrac

Every farm is different – which is why the Vitrac can be customized to suit your specific requirements. With a wide range of optional equipment, you can configure your machine to meet your exact needs. The result: enhanced comfort, higher productivity, and a machine that makes every workday more efficient and rewarding.



Optionals



Cleanfix
reversible fan



Additional
hydraulic pump



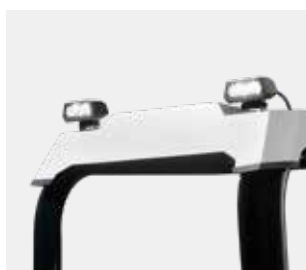
Roof



2 front LED
work lights



4 front LED
work lights



2 rear LED
work lights



Front & rear
reflectors



Transportation
box



Low roll cage



High roll cage



Product warranty
extension

12 + 12 calendar months
max. 1,000 operating hours

Tires





Dual tires



On the tool carrier (1)



Sprayer SP 200-60Q



Sprayer HSQ 200-60



Implement mast



Transportation platform



Dumper skip DPK 540



With other manufacturers



Rear mounting area (2)



Linkage



Flail mower SM



Trimmer LSU



Loader bucket



Rotary plough



With other manufacturers



Accessory

Linkage

Standard linkage, mount plate with quick-release hook cat. 1 - 2, hydraulic system.



2,700 mm / 8.9 ft

Technical data

Lifting capacity

500 kg / 1,100 lbs

Configuration



Linkage



Hydraulic distributor with 1 free cylinder for additional movements



Hydraulic top link



Mounting frame Cat. 1



Three-point mounting frame Cat. 1, pivotable ($\pm 8^\circ$)



Three-point mounting frame Cat. 1, pivotable ($\pm 15^\circ$) and with side shift



Quick-release hooks Cat. 2S, Ø 22



Quick-release hooks Fendt Ø 22



PTO OMP 100 cc



Parking jacks

Linkage available with

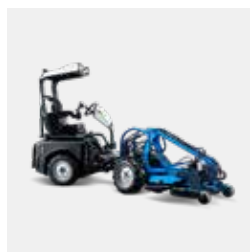


Loader bucket



Rotary plough

Linkage compatible with other manufacturers

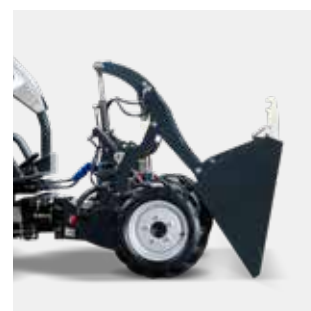
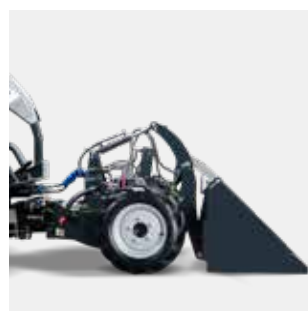


Loader bucket

Vitrac linkage + loader bucket



3,145 mm / 10.3 ft



Technical data

Width	900 mm / 35.5 in
Volume	0.16 m ³ / 5.5 ft ³



Rotary plough

The rotary plough is the ideal solution for soil cultivation in terraced systems. Specifically developed for use on narrow terraces and headlands, it enables efficient and thorough cultivation even under demanding conditions. Thanks to its compact design and high maneuverability, even hard-to-reach areas can be cultivated quickly and easily. Thus, the rotary plough ensures optimal soil preparation combined with a high area coverage performance.



Technical data

Width	800 mm / 31.5 in
Side shift rotary plough	± 100 mm
Side shift with three-point mounting frame pivotable and with side shift	additional ± 150 mm / 5.9 in
Inclination with three-point mounting frame pivotable and with side shift	± 15°
Required hydraulics	40 l/min at 200 bar / 10.5 gal/min at 200 bar
Necessary hydraulics for cylinder movement	min. 10 l/min at 130 bar / 2.5 gal/min at 130 bar
Rotational direction	Left & right
Weight	165 kg / 365 lbs



Accessory

Sprayer SP 200-60

The SP 200-60 sprayer stands out with its compact design, a 200-liter tank, and a powerful fan. Thanks to its low weight, the machine remains exceptionally maneuverable and easy to handle even with the sprayer attached. The sophisticated construction allows for comfortable operation and efficient use even under demanding conditions. As a result, the SP 200-60 offers a powerful and practical solution for a wide range of applications in fruit and viticulture.

For a long service life and high corrosion resistance, both the fan and the supporting metal structure are completely made of stainless steel. The spray tanks are made of high-quality polyethylene, combining low weight with high durability.



Technical data

Capacity	200 l / 53 gal
Pump	26 l/min at 40 bar, 3 membranes / 7 gal/min at 40 bar, 3 membranes
Aspiration filter	Arag 312
Pressure filter	Braglia M144 with automatic return
Agitator	Hydraulic
Nozzles	10 pieces Albuz
Air flow rate	22,500 m³/hour / 793,000 ft³/hour
Maximum pressure	40 bar
Required hydraulics	30 - 35 l/min / 7.93 - 9.25 gal/min at 250 bar
Illumination	Optional, powerful LED lighting
Weight	when empty 140 kg / 309 lbs when full 390 kg / 860 lbs

Products

Round-flow fan

The round-flow fan is designed to meet the unique requirements of low pergola systems.

SP 200-60R



Cross-flow fan

SP 200-60Q



Configuration



Sprayer



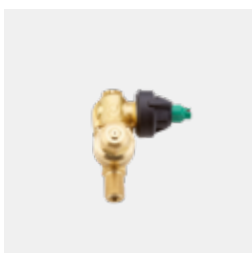
Radial cross flow
SP 200-60R



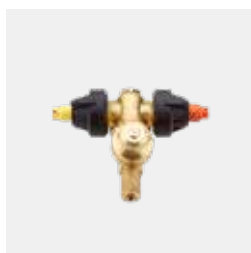
Low cross flow
SP 200-60Q



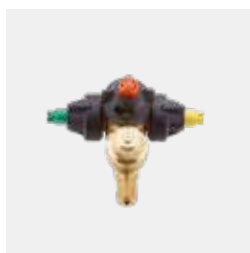
Spraying equipment
from other
manufacturers



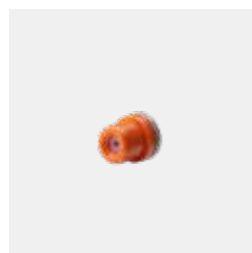
Nozzle holder
single
(Quick Cap System)



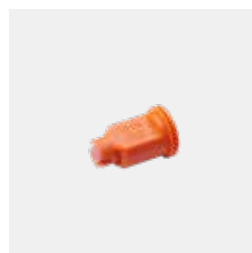
Nozzle holder
double
(Quick Cap System)



Nozzle holder
triple
(Quick Cap System)



Nozzles Albuz
ATI 80°



Nozzles Albuz
CVI 80°
(drift reduction)



Angle sensor



Work light



Pressure sensor



Pressure sensor &
electric pressure
regulator



Tank drain valve



Rear light bracket



Parking jacks



Accessory

Sprayer HQS 200-60

The HQS 200-60 sprayer creates a uniform airflow over a vast area. The elevated fan position prevents the intake of foreign particles. With minimal overhang and optimized weight distribution, it's ideal for use on highly steep terraced slopes. The fan and metal frame are made of stainless steel, while the tank is crafted from PE.



Technical data

Capacity	200 l / 53 gal
Pump	26 l/min at 40 bar, 3 membranes / 7 gal/min at 40 bar, 3 membranes
Aspiration filter	Arag 312
Pressure filter	Braglia M144 with automatic return
Agitator	Hydraulic
Nozzles	14 pieces Albuz
Air flow rate	22,500 m³/hour / 793,000 ft³/hour
Maximum pressure	40 bar
Required hydraulics	30 - 35 l/min / 7.93 - 9.25 gal/min at 250 bar
Illumination	Optional, powerful LED lighting
Weight	when empty 180 kg / 397 lbs when full 430 kg / 948 lbs



Configuration



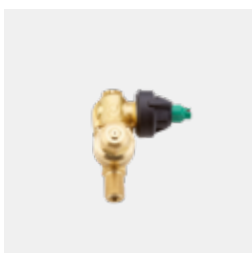
Sprayer



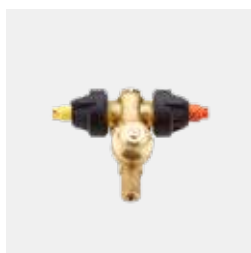
High cross flow
HQS 200-60



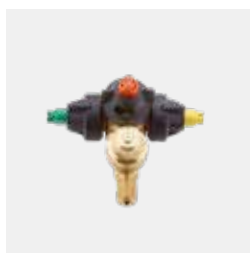
Spraying equipment
from other
manufacturers



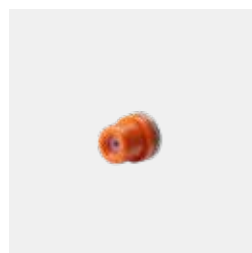
Nozzle holder
single
(Quick Cap System)



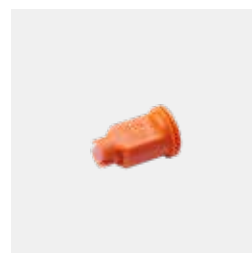
Nozzle holder
double
(Quick Cap System)



Nozzle holder
triple
(Quick Cap System)



Nozzles Albus
ATI 80°



Nozzles Albus
CVI 80°
(drift reduction)



Angle sensor &
hydraulically
adjustable flaps



Work lights



Pressure sensor



Pressure sensor &
electric pressure
regulator



Tank drain valve



Rear light
bracket



Parking jacks



Implement mast

The implement mast raises the multifunctionality of Vitrac to a new level. Whether flail mower, trimmer, or other attachment units – numerous tools can be quickly mounted and precisely adjusted to the desired working position. In this way, a single machine becomes a versatile system solution for a wide range of applications. This saves time, reduces investment costs, and increases productivity for every task.



Technical data

Stroke length of the main telescope	500 mm or 1,000 mm / 1.6 ft or 3.3 ft
Tilt angle of the swivel system	$\pm 90^\circ$
Stroke length of the 2 nd telescope	500 mm / 20 in
Weight small mast	170 kg / 375 lbs
Weight high mast	190 kg / 419 lbs

Configuration



Implement mast
with hydraulic block
unit



Swivel system with
500 mm telescope



Quick-release
system for
the telescope



Parking jacks

Available with the flail mower



Mower model SM80
with a working width
of 80 cm / 2.6 ft



Mower model SM90
with a working width
of 90 cm / 3.0 ft



Hydraulic shoot
remover
(on request: individually
controllable brush)

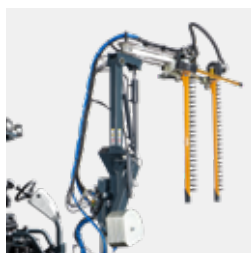


Parking jacks

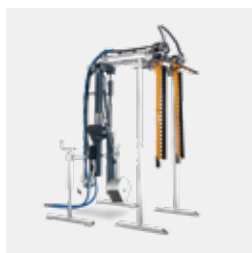
Available with the trimmer



Trimmer LSU with
hydraulic functions

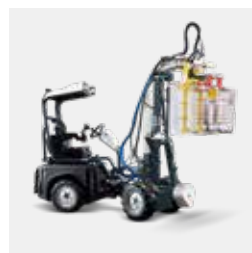


Pellenc cutter
bars



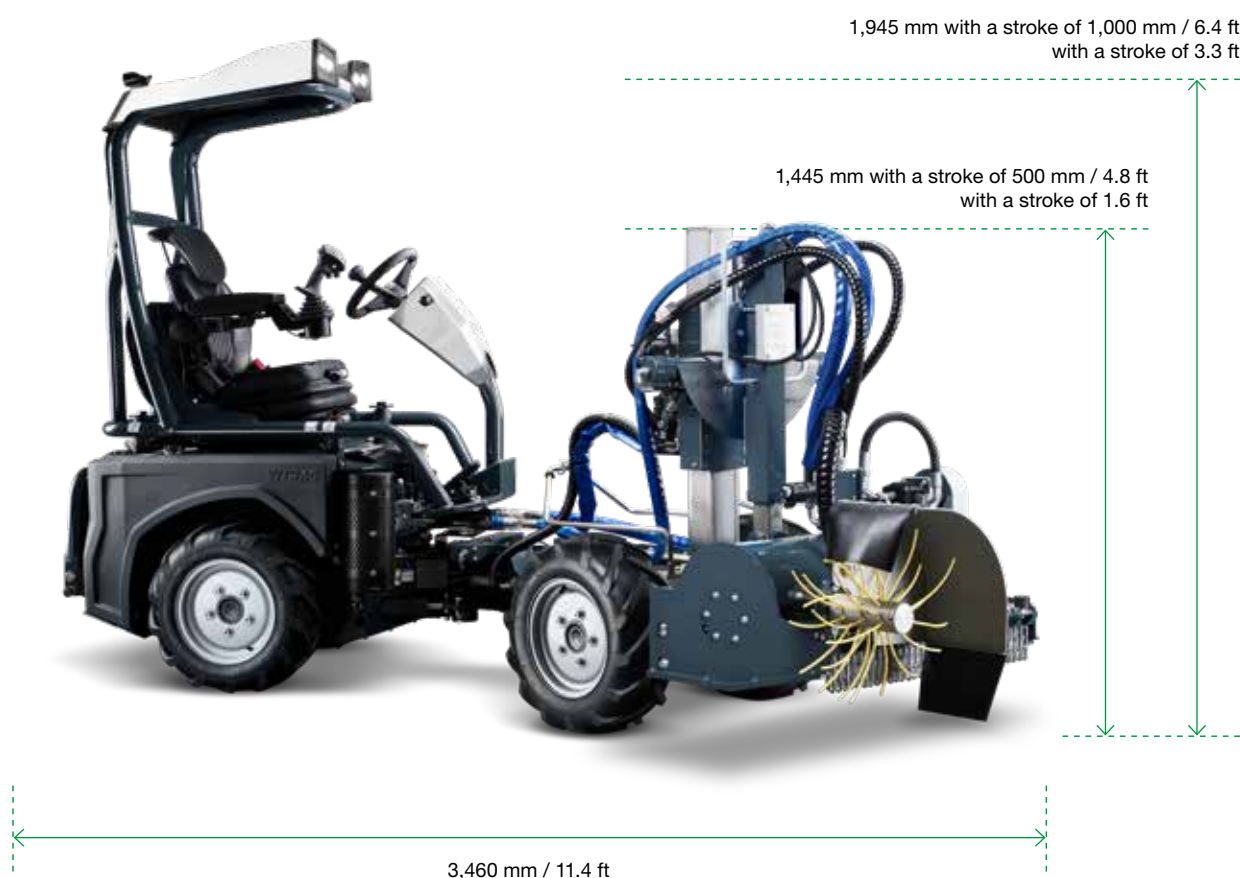
Parking jacks

With other manufacturers



Flail mower SM

The SM flail mower, mounted on the implement mast, works with Vitrac as a multipurpose mower for vineyards on steep slopes. It is equally well-suited for level terraces and banks. The housing is made of high-strength steel to keep weight low. With the flail mower's compact length relative to the loader, Vitrac remains especially stable and easy to maneuver.



Technical data

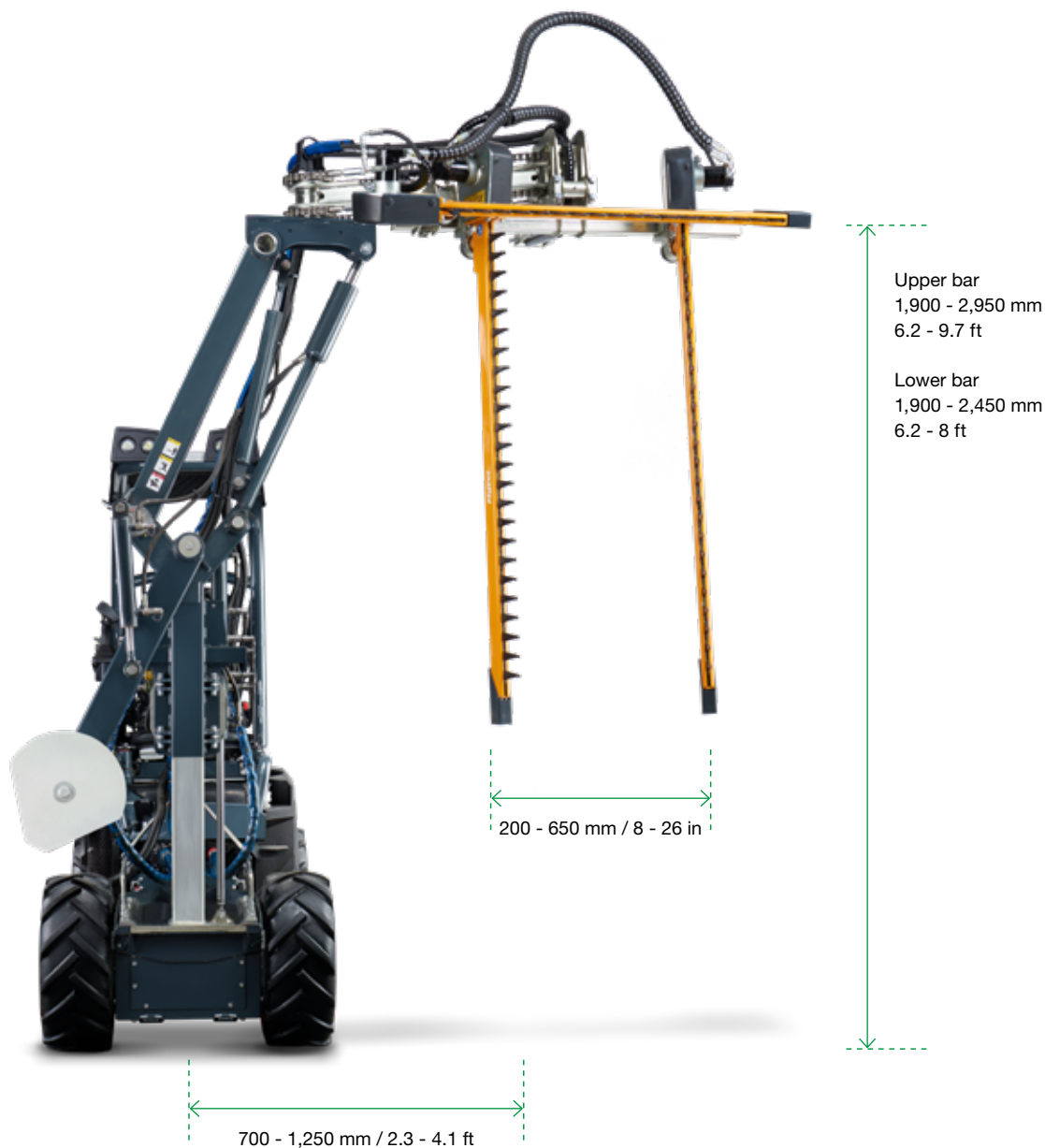
Operating width	800 mm or 900 mm / 31.5 in or 35.5 in
Working rpm	2,000 - 3,000 rpm
Hydraulic system for flail mower axle	30 - 35 l/min / 7.93 - 9.25 gal/min at 250 bar
Hydraulic cylinder	10 l/min / 2.64 gal/min at 130 bar
Weight	340 - 360 kg / 750 - 794 lbs



Accessory

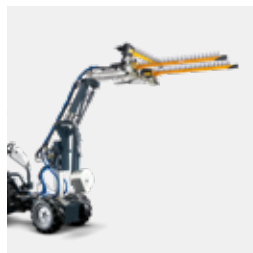
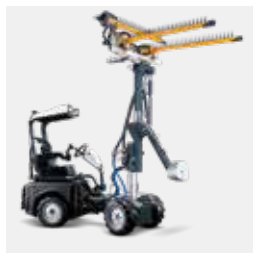
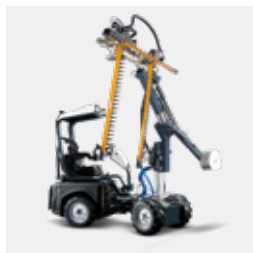
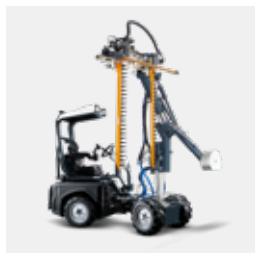
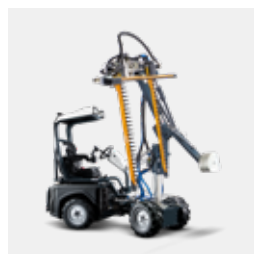
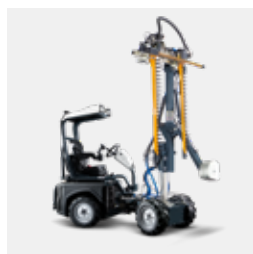
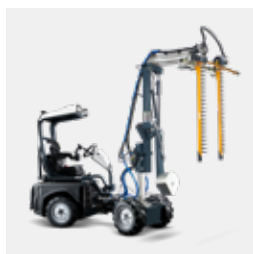
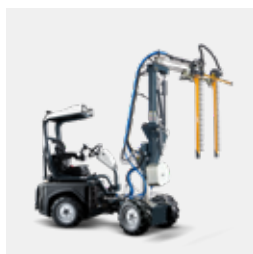
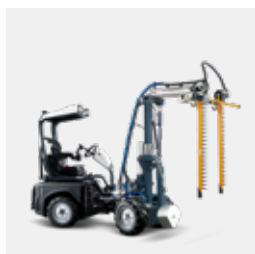
Trimmer LSU

The LSU trimmer was developed for narrow spaces and steep terrain. The deep-set, hydraulic-swivel counterweight guarantees high stability in all working conditions.



Technical data

Requisite hydraulics for cutter blades	min. 20 l/min at 160 bar / min. 5.5 gal/min at 160 bar
Hydraulic tilt cylinder	7.5 l/min at 130 bar / 2 gal/min at 130 bar
Length of cutter bars	900 - 1,200 mm / 35.5 - 47.5 in
Weight	410 kg incl. counterweight / 900 lbs incl. counterweight



Transportation platform

Infinitely adjustable, hydraulic tilt.



Technical data

Width	adjustable from 700 mm to 1,100 mm / adjustable from 27.5 in to 43.5 in
Length	adjustable from 1,050 mm to 1,250 mm / adjustable from 41.5 in to 49 in
Panel height	150 mm / 6 in
Optional	Hydraulic tilt
Weight	110 kg / 243 lbs

Configuration



Transportation platform
(adjustable in length & width)



Frame with manual tilt function



Frame with hydraulic tilt function



Parking jacks



Accessory

Dumper skip DPK 540

The dumper skip transports bulk materials, leaves, or other items. For easy unloading, it can be hydraulically tilted.



Technical data

Width	800 mm / 31.5 in
Length	1,100 mm / 43.5 in
Panel height	760 mm / 2.5 ft
Capacity	530 l / 140 gal
Weight	180 kg / 397 lbs

Configuration



Dumper skip



Frame with hydraulic tilt function



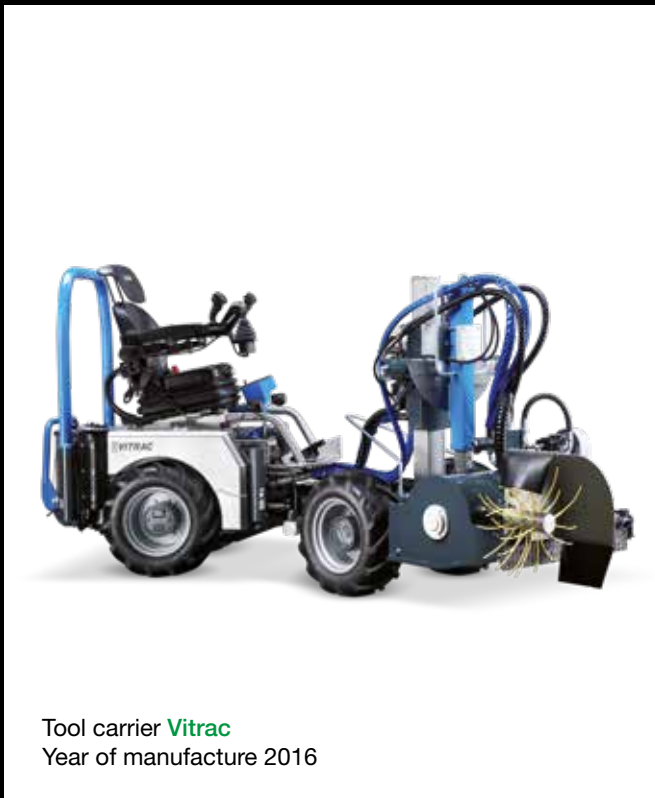
Parking jacks



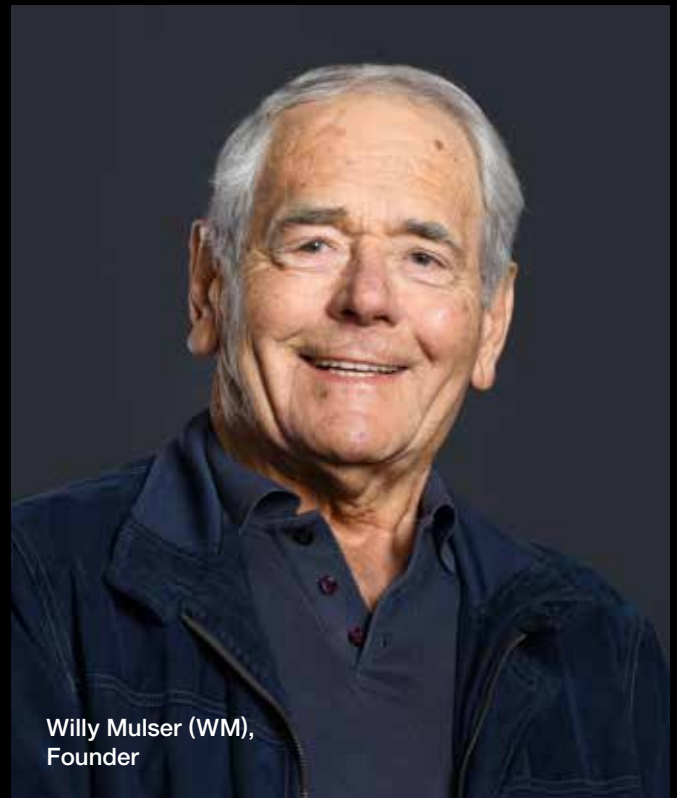
COMPANY

Young, dynamic, and innovative:
At WM technics, progress is our
top priority – both for us and for
our customers.

Since 1986, WM technics has been developing and manufacturing **high-quality machinery** for agriculture, urban applications, and ice resurfacing. Our innovative models stand out with advanced technology, ease of use, certified safety concepts, and modern design.



Tool carrier **Vitrac**
Year of manufacture 2016



Willy Mulser (WM),
Founder

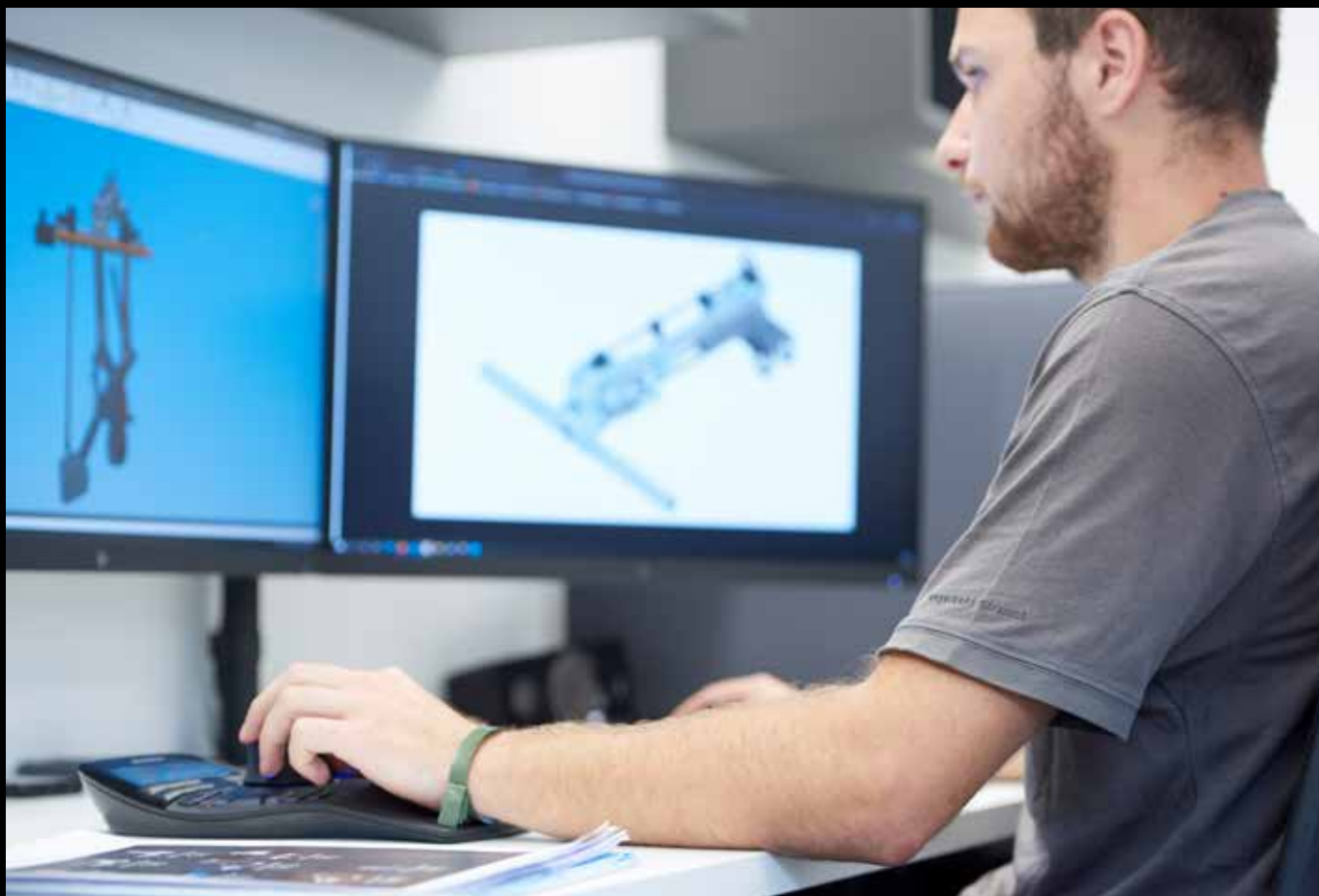
What we offer

From the narrowest vine rows to the most rugged terrain, WM technics provides the ideal solution for any challenge you face. Our unwavering commitment to product excellence is setting new industry benchmarks, making us a top player on the global stage. Powered

by advanced digital know-how, our design, parts production, and machine assembly are all conducted at our plant in South Tyrol, Italy – guaranteeing absolute premium quality. Bespoke solutions, reduced maintenance needs, and reliable support make WM technics your strong, customer-centric ally.



Markus
Developer





Advanced innovative power

We approach research and experimentation with meticulous care, always prioritizing networking. Our employees' competence and decades of experience in development, production, and assembly come together in perfect synergy.



Certified safety

Safety is our top priority. Vitrac is based on a well-thought-out safety concept, is type-tested, and meets stringent requirements for safety and reliability. Technical protection systems support the driver and reduce risks, even under demanding conditions.



Focus & user centricity

With self-motivation at our core, we independently design tool carriers for agricultural and urban use. Our approach remains customer-centric and with a constant focus on the complete value chain.



Precise production

Every turning and milling component is produced with utmost precision in our facility. We procure standard parts solely from renowned suppliers. Never forgetting about its function and each little detail, each component is carefully crafted.



Efficient assembly

Thanks to tightly organized processes, WM technics manufactures tool carriers in record time. Every step is documented in detail and maintained with transparency. The assembly is performed with precision and accountability, reducing regular as well as unexpected maintenance needs.



It's all about quality

WM technics represents innovative tool carriers that redefine standards in efficiency, reliability, and ease of use. Serial production and in-house manufacturing guarantee seamless oversight of all manufacturing processes and components.



Future-focused sustainability

Our tool carriers are built to last: Starting from the initial sketch, we prioritize the durability of our machines and consistently keep an eye on maintenance and operating expenses. Energy efficiency, low consumption, and optimal profitability converge with the highest performance.



Service driven by dedication

As our machines are dedicated to meeting your professional needs, we nurture our relationship with customers—before, during, and after the purchase. Your specific requirements are integrated into the manufacturing process to provide tailored solutions.

At WM technics, we strive for excellence in everything we do. Our machines, led by Vitrac, are the result of high-quality components and thoroughly thought-out designs. Developed, manufactured, and assembled in our facilities, we ensure the highest quality, timely deliveries, and low maintenance costs throughout their lifecycle. From individual components to the final product, every step is carefully monitored to deliver **your tool carrier of the future.**

Ease of use



Using premium components and a well-thought-out design minimizes the need for service work.

Quality guarantee



Vitrac is a product designed, produced, and assembled within our facility. So we can ensure that we provide the best quality and on-time delivery.

Where practice meets innovation



Our machines are born from real experience: field-tested and developed in collaboration with viticulture professionals to deliver practical solutions, premium quality, and maximum efficiency in operation.

Series production



Every machine manufactured by WM technics is built in series. We keep track of the components used in each batch and can supply the appropriate spare parts whenever necessary. At the same time, different optional features can be easily added even years later.

Service & support



Our experienced service team is always at your side with technical expertise and practical know-how. Through regular training and continuous professional development, our technicians stay up to date with the latest technology. Whether you have questions regarding operation, maintenance, or require technical support, you receive fast, competent, and solution-oriented assistance. This is how we ensure your machine remains reliable and productive at all times.

Expertise & competence



Each step is meticulously traceable, from producing individual components to the final quality check. All team members are well-trained in their specialized roles and perform their tasks with great care. The advantage for our customers: You receive a technically sophisticated product manufactured to the highest quality expectations.

PRODUCTS

WM technics represents carefully engineered technology, precision in development, and solutions shaped around real user needs. Every machine is designed with technical rigor, a strong commitment to quality, and a drive for innovation – delivering dependable performance over the long term.

Vitrac

Diesel engine with 120 Nm of torque, increased tractive force and a top speed of up to 12 km/h: Vitrac delivers maximum power, control and efficiency for professional viticulture. You can operate even complex and demanding implements without sacrificing comfort, handling or manoeuvrability. The extended wheelbase provides noticeably greater stability and traction, while the optimized steering system with steering wheel performs reliably even in the tightest conditions. A ROPS-certified roll-over protection structure and ergonomically arranged controls ensure safety and working comfort in terraced vineyards, on extreme steep slopes and in narrow passages.



	Weight	Basic machine from 875 kg / 1,929 lbs
	Performance	18.9 kW (25.7 hp) / 2,600 rpm / 120 Nm at 1,400 rpm
	Steering	± 82°

Viroc Urban

With Viroc, a new era of multifunctional tool carriers for urban applications begins. You benefit from a versatile machine designed to handle a wide range of tasks with ease—from street cleaning and snow removal to the maintenance of parks and green spaces.

Its innovative design concept spans from the advanced, ergonomic cabin to a flexible system for connecting multiple implements, all the way to a chassis engineered for smooth operation on challenging terrain and in urban environments alike. The multifunction joystick ensures intuitive, comfortable, and precise control at all times.



	Weight	Basic machine from 1,270 kg / 2,800 lbs
	Performance	Up to 55.4 kW (75 hp) / 2,250 rpm / 244 Nm at 1,600 rpm
	Steering	± 82°

Viroc

Viroc is a highly advanced, multifunctional specialist tractor with a clear focus on the operator and their safety.

It represents a new approach to agricultural work by combining technological innovation with expertise rooted in one of Europe’s most traditional wine-growing regions, shaped by the innovative spirit of WM technics.

Developed specifically for viticulture, Viroc performs reliably on steep slopes and in confined crop environments. These characteristics have also made it suitable for use in other agricultural sectors.



	Weight	Basic machine from 1,270 kg / 2,800 lbs
	Performance	Up to 55.4 kW (75 hp) / 2,250 rpm / 244 Nm at 1,600 rpm
	Steering	± 82°

Mammoth

Developed specifically for use in stadiums and on large ice surfaces of up to 2,600 m², this autonomous iceresurfacers combines performance with efficiency.

Maintenance-free AC motors, generously sized snow and water tanks, and a quick blade-change system ensure short resurfacing times and smooth daily operation. Thanks to its compact design and the ice edger integrated directly into the frame, the machine also delivers outstanding stability and exceptional maneuverability—even on large rinks.



	Snow tank volume	3 m³ / compacted 3.6 m³ 106 ft³ / compacted 127 ft³
	Water tank volume	1,000 l / 1,350 l / 1,750 l 264 gal / 356 gal / 462 gal + snow tank-water tank connection 2,000 l / 2,350 l / 2,750 l 528 gal / 620 gal / 726 gal
	Blade width	2,100 mm / 2,300 mm / 2,500 mm 82 5/8 in / 90 1/2 in / 98 1/2 in Blade change < 60 seconds
	Fields of operation	Pro / Ice stadiums

The historic St. Magdalena wine-growing region
(north-east of Bozen)





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