



REMOTE CONTROL TECHNOLOGY



Faster, smarter and safer

Perfect for working in the toughest terrains

TAKE CONTROL

McConnel's range of remote control machines is perfect for working in the toughest terrain. Thriving in challenging, hazardous and confined areas, these innovative all-terrain machines reach the parts others can't reach and help you work faster, smarter and safer than ever before.

McConnel's range of remote control machines and attachments enables you to tackle jobs with confidence that used to be labour-intensive, time-consuming and potentially dangerous. With outstanding stability, intuitive finger-tip controls and a safe working range of up to 150m, these high-tech machines allow you to work up to 25 times faster than by hand and deliver an exceptional finish.



A slope that used to take three men more than one and a half days to cut can now be tackled in a couple of hours with ROBOCUT."

Norwegian government contractor Mesta AS





RELIABLE PRODUCTIVE VERSATILE TECHNOLOGY

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ALL-TERRAIN CAPABILITY

Whether you're tackling steep-sided riverbanks, working close to electric pylons, or mowing in restricted areas like railway embankments and military complexes, McConnel's remote control machines deliver perfect results.

“

It's extremely useful when cutting on slopes or in dangerous areas and has proven very popular with my hire customers.”

Phil Liverton, contractor
and plant hire specialist





It can tackle the toughest jobs in a wide range of different work environments, including:

- Highways agencies – handling road and motorway embankments, roundabouts, lay-bys
- Local authorities – parks, schools, footpaths, sports fields
- Waterway and flood prevention – riverbanks, canals, dykes, reservoirs and dams
- Railways – embankments and restricted-access sites
- Secure sites – military bases, airports, hazardous areas
- Commercial and Industrial – factory units, industrial plants
- Leisure – golf courses, landscape gardens, sporting venues
- Heritage sites – National Trust, English Heritage, stately homes
- Woodland – Forestry Commission, estates
- Public utilities – electricity boards, telecommunications
- Winter maintenance – ski resorts, mountain passes, general snow clearance

TASK FLEXIBILITY

From snow clearance to forestry, munitions clearance to quarry maintenance, McConnel can provide a safe and productive remote control solution.

Five distinct machines are available, ranging from ROBOZERO - the world's first remote control zero-turn mower - to ROBOPOWER, a 140hp unmanned tractor with front and rear three-point linkage. McConnel's ROBOCUT machine offers multifunctional capability with a huge selection of attachments including a Stump Grinder, Trencher, and Snow Blower.



“

ROBOCUTS are always popular with my customers because when it comes to safe, productive slope mowing, it's a machine that ticks all the boxes.”

Ray Britland,
Contractor and plant hire specialist

**PERFECT FOR
WORKING IN THE
TOUGHEST TERRAIN**



“

Switzerland has some of the most challenging work environments in the world, so ROBOPOWER's success in tackling verge maintenance and forestry tasks in this country proves it can thrive in the toughest conditions.”

Thomas Hofer, OTT Switzerland



POWER PACK

Created to tackle the toughest terrain, McConnel's remote control range features proven engine technology that really packs a punch.

UNRIVALLED PERFORMANCE

ROBOPOWER leads the way with a 140hp Deutz diesel engine giving it the grunt to drive not just one but two three-point linkage attachments.

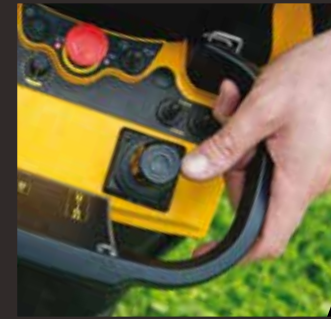
ROBOCUT and ROBOLOAD are powered by a 40hp Isuzu diesel engine that makes light work of slopes, snow and steep-sided embankments, and can power a comprehensive range of attachments.

ROBOMOZ and ROBOZERO are powered by a Yanmar 33hp lean-burn diesel engine. Ideal for green maintenance and fine-turf mowing, the proven powerpack offers a strong combination of performance and fuel-efficiency.



SAFETY FIRST

McConnel's innovative remote control range is built around a low-centre-of-gravity design which makes it ideal for tackling steep-sided banks. Every single component is specially positioned to ensure the machine delivers the best in stability.

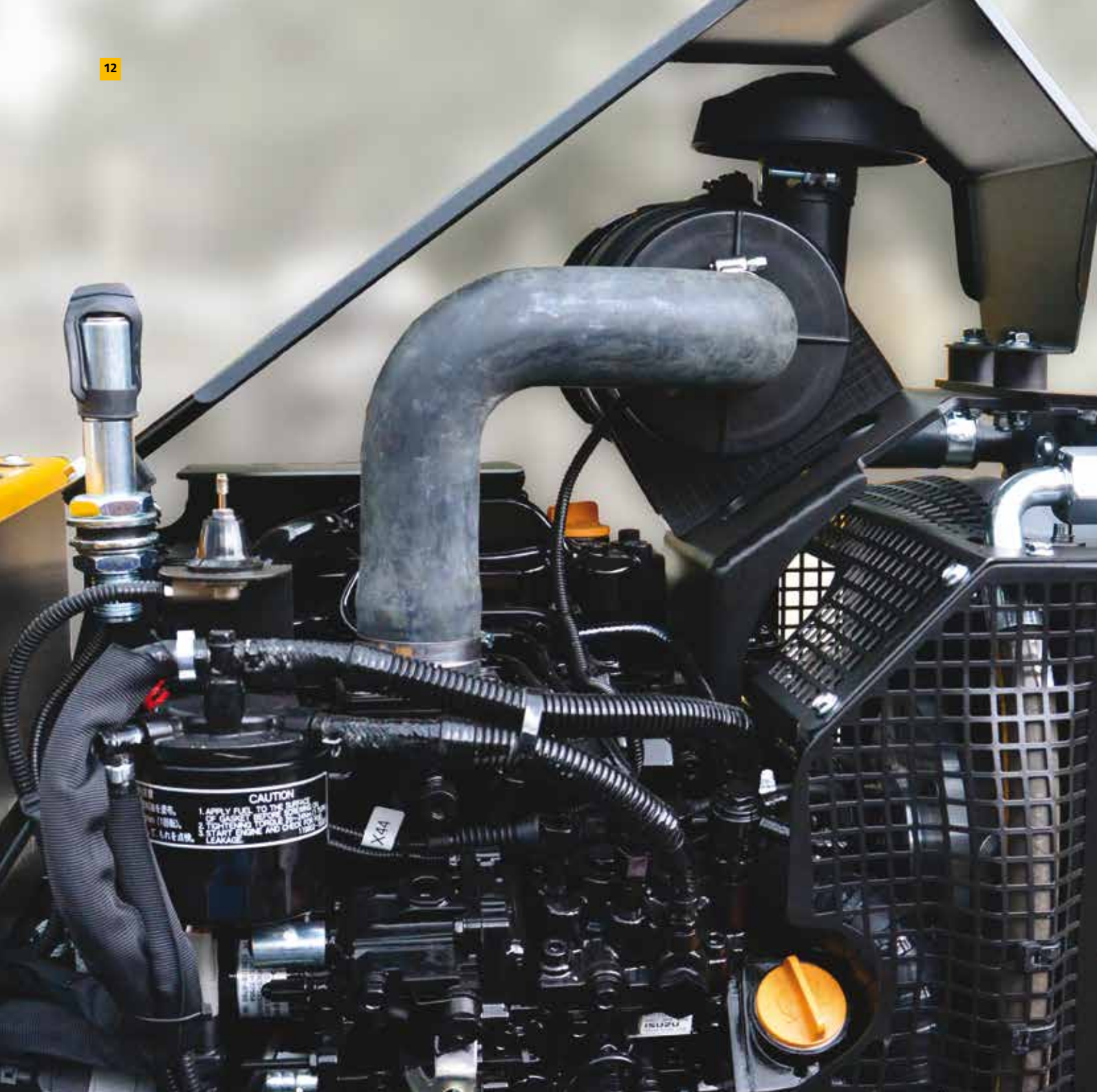


- Tackle slopes up to 55° with ease
- Intuitive potentiometer system ensures precise proportional control from 0 to 100%. The more you press forward on the joystick the faster the machine travels
- Built-in steering bias to the left and the right compensates for bank angles and allows precise straight-ahead carriage.
- The bias can be adjusted manually at the touch of a single button
- Contoured rubber tracks provide extra grip. Self-tightening system ensures consistent reliability and prevents excessive wear and tear
- Optional heavy-duty spike tracks provide extra stability when working on steep-slopes. The spikes come complete with rubber transport blocks to ensure the machine can be used on roads, car parks, and tarmac surfaces
- Tight turning circles allow precise control in confined areas



LOW CENTRE OF GRAVITY - TACKLE SLOPES UP TO A 55° ANGLE

55°





RELIABILITY WHEN YOU NEED IT MOST



BUILT TO LAST

Built to last from super-strength steel, McConnel's remote control range features tried and trusted engine and remote control technology to give you confidence and peace-of-mind.

- Proven engine technology from blue-chip manufacturers
- Remote control units developed by leading industry specialists
- Unique lubrication system ensures the engine is fully protected when working on slopes
- Durable hydraulic systems ensure a consistent and reliable performance

Boasting high-performance engines, outstanding manoeuvrability and innovative all terrain technology, McConnel's remote control machines can tackle tasks that normally have to be completed by hand – dramatically speeding up the job and allowing you to use your time more efficiently.

INCREASED EFFICIENCY



**MOW-AND-GO
– FAST LOADING
REDUCES DOWN-TIME
GETTING TO AND FROM**



“

It's hard to believe a machine that's so productive is cheaper to run than just three petrol trimmers. In the current economic climate, efficiency is vital to success and ROBOCUT lowers my costs while still being highly productive. I would recommend the ROBOCUT to anybody who is serious about grass cutting.”

Shane O'Grady, Clonmel contractor

Designed to deliver the best in fuel economy, McConnel's remote control range is powered by the latest generation of diesel engines. ROBOCUT is so cost effective that it can work for hours on a single 21-litre tank of fuel.

ROBOCUT not only excels in comparison to other similar machines but also against hand cutting where it uses less fuel than a three-man team of trimmers.

- Safer and more productive than cutting by hand
- Huge range of tools and attachments available to suit almost any working challenge
- Work at speeds of up to 10 km/h
- Powerful high-performance engines from blue-chip manufacturers Isuzu, Deutz and Yanmar
- Quick and easy to transport to and from jobs, saving operators time and money

**UP TO 25 TIMES MORE EFFECTIVE
THAN CUTTING BY HAND.**



PRECISION CONTROL

Intuitive and easy-to-master, the controls of McConnel's remote control machinery range are lightweight, easy to learn, and offer a working range of 150m.

“

ROBOCUT offers such a unique range of benefits that it is already an essential tool for the green maintenance market."

Phil Liverton, contractor
and plant hire specialist



The straightforward layout is consistent through the range and enables users to master complex manoeuvres in minutes.

Two large joysticks provide control of motion, steering and attachment control, while key features such as gearing, rotor speed, speed sensitivity, radiator self-cleaning and emergency stop can all be accessed at the touch of a button.

- Featuring state-of-the-art controls, the remote control range offers sophisticated functionality with a simple interface, ensuring operators can start work immediately
- Advanced settings can be customised - allowing speed sensitivity to be tailored to suit the job or personal preference.
- The controls are durable but lightweight and are fitted to a belt attachment boosting operator comfort
- The unit features long-life rechargeable batteries and comes with a fail-safe 'Get-you-home' backup unit
- Full control of the machine and its attachments via the remote control unit



INTUITIVE FINGERTIP CONTROL



 **ROBOLOAD**

 **ROBOPOWER**



THE REMOTE CONTROL RANGE

 **ROBOCUT** **ROBOMOZ** **ROBOZERO**

A total of five different machines and 17 separate attachments are currently available, improving productivity and safety in such diverse sectors as drainage boards and conservation to material handling and forestry - with more in the pipeline.

The full list of machines includes:

ROBOLOAD , ROBOPOWER, ROBOCUT, ROBOMOZ, ROBOZERO

McConel has established itself as a leader in remote control green maintenance technology by offering the most comprehensive range of machines and attachments in the world.



ROBOZERO

The world's first commercial remote control zero-turn mower. ROBOZERO delivers an exceptional finish and is ideal for environments such as urban green areas, parks, and golf courses.

ROBOZERO also excels in confined spaces where its zero-turn capabilities eliminate the need for repositioning and keep it in constant motion.

The machine's low centre of gravity and wide wheels enhance stability and enable operators to work on slopes of up to 35 degrees, while a 33hp Yanmar diesel engine delivers a winning combination of power and fuel economy and enables working speeds of up to 10km/h.



REMOTE CONTROL

ROBOZERO features an easy-to-master control system with precise proportional controls and a working range of up to 150m.



HIGH-PERFORMANCE CUTTING HEAD

A triple-rotor, rear-discharge rotary deck delivers the kind of attractive finish which is ideal for parks and golf courses.

Customers can also opt for a 1.3m heavy duty flailhead.



ALL-TERRAIN MANOEUVRABILITY

ROBOZERO's exceptional manoeuvrability and ability to tackle slopes of up to 35 degrees enable operators to take on hard-to-reach and restricted-access areas, improving safety and productivity.

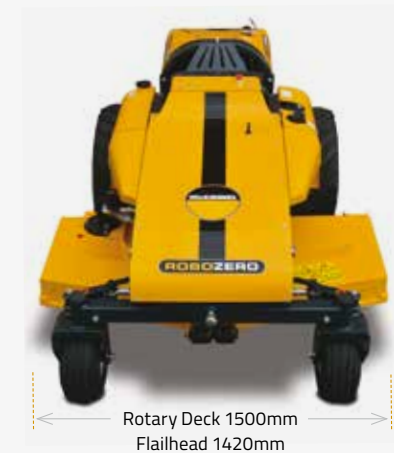
DELIVERS AN OUTSTANDING MOWING PERFORMANCE







ROBOZERO



ROBOZERO

SPECIFICATION

ROBOZERO ATTACHMENTS

ROBOZERO comes with a choice of rotary and flail cutting attachments allowing the operator to tailor the performance and finish to suit specific requirements.

ROBOZERO
1.3M FLAILHEAD **24**

ROBOZERO
1.5M ROTARY MOWER **24**

To see the range of ROBOZERO accessories go to **page 52**

ENGINE

Make	Yanmar, naturally aspirated, 3 cylinder	1331 cc
HP	33hp (24kw)	3000 rpm
Torque	86 Nm	
Fuel	Diesel	
Fuel Tank Capacity	25 litres	
Fuel Consumption (maximum)	6.9 l/h	Dependent on workload
Water-cooled Radiator	Standard	
Transmission	Hydrostatic	
Maximum Noise Levels	LpA = 80 dB(A)	Acoustic power level = dB(A)LwA 110

HYDRAULICS

Independent Flailhead Circuit	Closed circuit piston hydraulic system	52 l/min at 3000 rpm
Independent Drive Circuit	1 x Closed circuit hydraulic piston pumps	
Aux Service	None	
Independent Intercooler	Standard	
Oil Tank Capacity	12 litres	

REMOTE CONTROLS

Working Range	150m	
Frequency	434 MHz (Certified by CE legislation)	
Battery	Interchangeable, Rechargeable	Two with each unit
Proportional Joystick	Standard	

PERFORMANCE

Potentiometer Speed Control (0 to 100%)	1st Gear (Low range) Forward and Back	0-10 km/h
	2nd Gear (High range) Forward and Back	0-10 km/h

DIMENSIONS

Overall Width	1420mm
Overall Length	2670mm
Overall Height	1150mm

WEIGHT

ROBOZERO (no equipment)	875 kg
ROBOZERO with Flailhead	1050 kg
ROBOZERO with Rotary Deck	1040 kg

ROBOZERO 1.3M FLAILHEAD

PART NO: 4003951 (GRASS 'Y' FLAILS)

A high-performance 1.3m flailhead that comes with back-to-back 'Y' grass flails, driven by a 3,000rpm energy-efficient spiral rotor and can tackle everything from grass to gorse.

Technical specification

- 1.3m cutting width
- 44 grass cutting 'Y' flails
- 30mm cutting capacity
- 20-85mm cutting height
- Full width rear roller
- Replacement studs
- 165kg weight



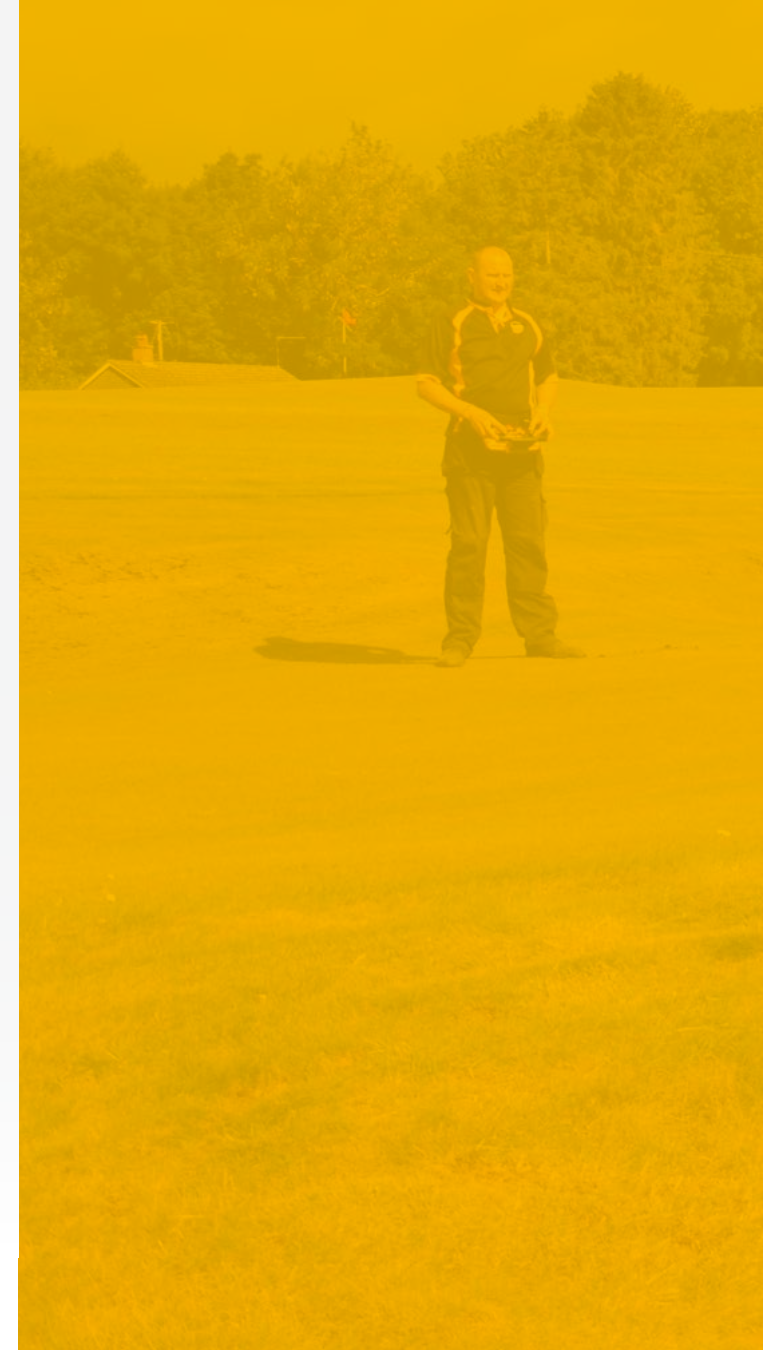
ROBOZERO 1.5M ROTARY MOWER

PART NO: 4003950

A high-performance 1.5m rotary mower. Hydraulically driven with a heavy-duty belt drive and rear discharge, the machine's three rotors propel six cutting blades at 2,200 rpm – delivering a fine cut finish perfect for the horticultural, landscaping and amenities sectors.

Technical specification

- 1.5m cutting width
- Three rotors and six cutting blades
- Rear discharge of debris
- Robust steel construction
- 2200 rpm rotor speed
- 165kg weight



ROBOZERO ATTACHMENTS



ROBOMOZ

Designed exclusively for mowing, ROBOMOZ is a value-for-money alternative to ROBOCUT, and is ideal for those looking to enter the remote control green maintenance sector for the first time.

Eschewing some of the more advanced features of ROBOCUT, ROBOMOZ still offers the same benchmark-setting standards for stability and all-terrain manoeuvrability.

Powered by a 33hp Yanmar diesel engine, ROBOMOZ offers a winning combination of power, fuel efficiency, and value.



REMOTE CONTROL

ROBOMOZ features an easy-to-master control system with precise proportional controls and a working range of up to 150m.



ALL-TERRAIN MANOEUVRABILITY

ROBOMOZ's all-terrain remote control capabilities deliver fast, safe and effective mowing on slopes of up to 50 degrees. High-grip tracks and a low-centre of gravity help operators tackle the parts other mowers can't reach.



HIGH-PERFORMANCE MOWING

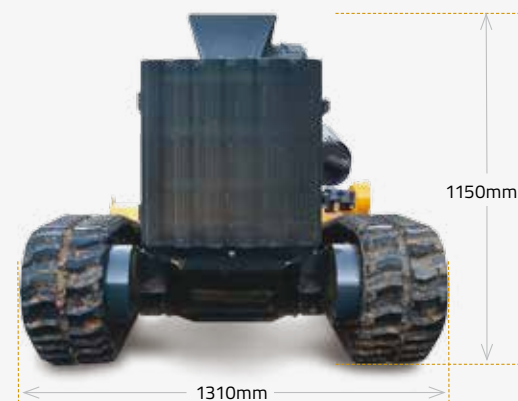
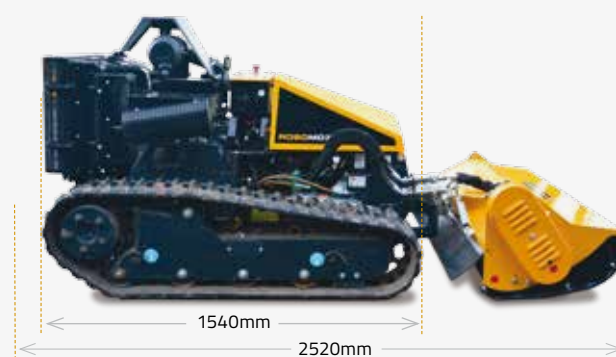
Designed exclusively for mowing contractors, ROBOMOZ is equipped with a lean burn diesel engine, and is up to 25 times more effective than handcutting.

A 1.3m flailhead and a 1.5m rotary deck are both available.

CREATED
FOR GREEN
MAINTENANCE
SPECIALISTS





**ROBOMOZ**

ROBOMOZ

SPECIFICATION

ENGINE

Make	Yanmar, naturally aspirated, 3 Cylinder	1331 cc
HP	33hp (24kw)	3000 rpm
Torque	86 Nm	
Fuel	Diesel	
Fuel Tank Capacity	25 litres	
Fuel Consumption (maximum)	6.9 l/h	Dependent on workload
Water-cooled Radiator	Standard	
Self Cleaning Matrix	N/A	
Transmission	Hydrostatic	
Maximum Noise Levels	LpA = 78 dB(A)	Acoustic power level = dB(A) LwA 110

HYDRAULICS

Independent Flailhead Circuit	Closed circuit piston hydraulic system	Max 55 l/min at 3000 rpm
Independent Track Drive Circuit	2x Closed circuit hydraulic piston pumps	
Aux Service	None	
Independent Intercooler	Standard	
Oil Tank Capacity	11 litres	

TRACKS

Rubber	Standard	Max working angle 45 degrees
Rubber with Spikes	Optional	Max working angle 50 degrees
Self-Tightening	Standard	
Length (Axle to Axle)	1192mm	

REMOTE CONTROLS

Working Range	150m	
Frequency	434 MHz (Certified by CE legislation)	
Battery	Interchangeable, Rechargeable	Two with each unit
Proportional Joystick	Standard	

PERFORMANCE

Potentiometer Speed Control (0 to 100%)	Forward and Back	6-10 km/h
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DIMENSIONS

Overall Width	1420mm
Overall Length (With Attachment)	2520mm
Overall Height	1150mm

WEIGHT

ROBOMOZ (no equipment)	940 kg
ROBOMOZ with Flailhead	1130 kg

**ROBOMOZ
ATTACHMENTS**

Designed to deliver an outstanding mowing performance, ROBOMOZ comes with a choice of flailhead or rotary deck attachments.

ROBOMOZ 1.3M FLAILHEAD	30
ROBOMOZ 1.5M ROTARY MOWER	30
ROBO-RAKE	30
ROBO-FORK	31
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ROBO-CUTTERBAR MD & HD	31

To see the range of ROBOMOZ accessories go to **page 52**

ROBOMOZ 1.3M FLAILHEAD

GRASS Y FLAILS - PART NO: 4000950
HAMMER FLAILS - PART NO: 4000951

ROBOMOZ's tried and trusted 1.3m flailhead has proven its effectiveness all over the world as the main cutting attachment on McConnell's best-selling ROBOCUT machine. With a choice of hammer or back to back 'Y' grass flails, the machine can tackle everything from fine turf to scrub clearance.

Technical specification

- 1.3m cutting width
- 3000rpm cutting speed
- 30mm cutting capacity
- Cutting height range 20-85mm
- +/- 14 degree head angling and floatation
- 170kg weight



ROBOMOZ 1.5M ROTARY MOWER

PART NO: 4000954

Hydraulically driven with a heavy-duty belt drive and a rear discharge, the machine's three rotors propel six cutting blades at 2,200 rpm – delivering a fine-cut finish perfect for the horticultural, landscaping and amenities sectors.

Technical specification

- 1.5m cutting width
- 4 height adjustable castor wheels
- Triple rotor
- Six blades
- 2,200rpm cutting speed
- +/- 14 degree head angling and floatation
- 280kg weight



ROBO-RAKE

PART NO: 4000956

A mobile and manoeuvrable rake attachment designed to thrive in steep-sided terrain, ROBO-rake is ideal for removing cut grass from river banks.

Technical specification

- 1.45m working width
- 40 rotating 250mm steel tines
- +/- 14 degree head angling and floatation
- Powerful dual belt drive
- Manoeuvrable 'zero-turn' wheels
- Height adjustable



ROBOMOZ ATTACHMENTS

ROBO-FORK

PART NO: TBC

Perfect for moving materials in the most challenging environments, the fork attachment enables safe and effective transportation of everything from construction materials to sand bags for flood defence

Technical specification

- Adjustable working width
- 300 kg lifting capacity
- 40cm lift height
- Low maintenance
- Easy to use



ROBO-CHIPPER

PART NO: 4000962

Driven by a powerful hydraulic motor, the ROBO-Chipper attachment makes light work of vegetation clearance and is capable of mulching small branches up to 90mm diameter.

Technical specification

- 90mm cutting capacity
- Powerful motor
- Safety disengagement bar
- Adjustable rotating discharge chute
- Wide inlet chute for easy feeding of material
- 2 blades and 8 hammers
- Folding for ease of travel
- 215kg weight



ROBO-CUTTERBAR MD

PART NO: 4000957

A light and manoeuvrable 1.8m cutterbar that's ideal for maintaining grass and reeds where a close-cut finish is vital.

Technical specification

- 1.8m cutting width
- 40 hard-wearing tungsten carbide teeth
- 20-80mm cutting height
- +/- 14 degree head angling and floatation
- Smooth cutting action
- Reinforced skids

Also available as HD

(PART NO: 4000970)



ROBOCUT

Far more than just an all-terrain mowing machine, ROBOCUT comes with a choice of seventeen new attachments, transforming it into a remote control work platform that boosts safety, productivity and efficiency.

Advanced features include: the ability to mount a wide range of attachments from a stump grinder to a snow blower; heavy duty forestry mulcher with hydraulic front hood; a high-spec multi-function control system; and a clean-fix radiator fan.

ROBOCUT's fuel-efficient 40hp diesel engine gives operators the power to tackle the toughest tasks; is up to 25 times more effective than manual cutting, and uses less fuel than a three-man strimmer team.



REMOTE CONTROL

An advanced multi-function controller that offers precise proportional control and a working range of 150m.



UNRIVALLED FUNCTIONALITY

ROBOCUT comes with a comprehensive range of attachments that allows customers to perform a wealth of different tasks - helping operators make the most of the machine's all-terrain remote control capabilities.



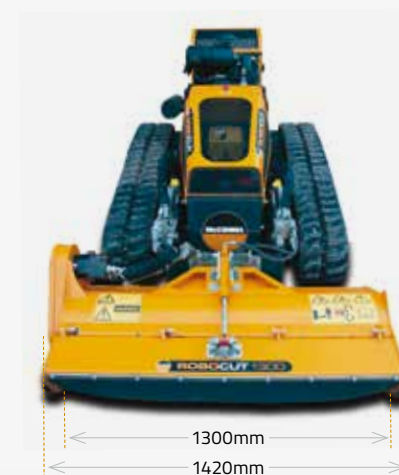
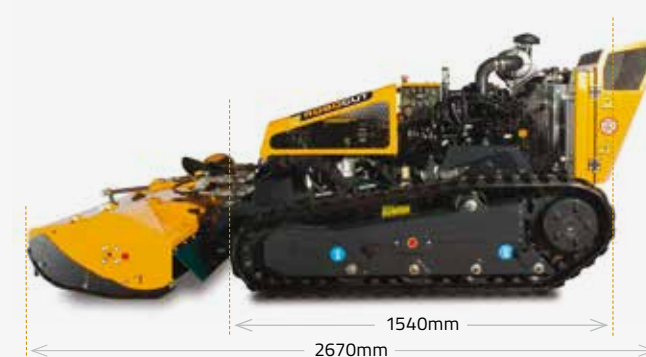
CLEAN-FIX RADIATOR MATRIX

A dual-direction, quick-clear fan clears the vents and radiator - protecting the machine from overheating and maximising performance.

MORE THAN JUST A MOWER





ROBOCUT

SPECIFICATION

ROBOCUT ATTACHMENTS

McConnel's exciting range of attachments makes it easy to transform ROBOCUT into a truly multi-functional machine – bringing all the benefits of remote-control all-terrain technology to a wide range of new jobs.

ROBO-FLAILHEAD 1300	36
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ROBO-CHIPPER	38
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ROBO-SNOW BLOWER	39
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ROBO-AIR BLAST SPRAYER	40
ROBO-FORK	40
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ROBO-LOADER AND BUCKET	41

To see the range of ROBOCUT accessories go to **page 52**

ENGINE

Make	Isuzu, naturally aspirated, 3 Cylinder	1642 cc
HP	40hp (29kw)	3000 max rpm
Torque	104 Nm	
Fuel	Diesel	
Fuel Tank Capacity	21 litres	
Fuel Consumption (maximum)	6.5 l/h	Dependent on work load
Water-cooled Radiator	Standard	Heavy duty build
Self Cleaning (Reversible Fan)	Standard	
Transmission	Hydrostatic	
Maximum Noise Levels	105 dB(A)	Acoustic power level = dB(A) LwA

HYDRAULICS

Independent Flailhead Circuit	Closed circuit piston hydraulic system	max 57 l/min at 3000 rpm
Independent Track Drive Circuit	2 x Closed circuit hydraulic piston pumps	
Aux Service	1 Double acting auxiliary service for additional service	5 l/min a 180 bar, double acting
Independent Intercooler	Standard	
Oil Tank Capacity	16 litres (30 litres held in system)	Biodegradable Oil
Attachment Lift Capacity	320kg	

FLAILHEAD/ATTACHMENT

Oil Flow	50 l/min	
Pressure	320 bar	
Rotor Speed	3000 rpm	
Front and Rear Flaps	Standard	
Flails	Y - Flails	For cutting grass and light wood up to 30mm Diameter
	J (hammer) - Flails	For cutting thick grass and wood up to 50mm Diameter
Roller Width	1.3m	
Roller Diameter	100mm	
Cutting Height Range (via roller adjustment)	20mm, 60mm, 85mm	Flailhead can be lifted to cut higher
Hydraulic Lift	-300mm to +400mm	
Floatation (angle)	14° up and down (+/-)	
Cutting Width	1.3m	
Cutting Capacity	30mm	

TRACKS

Rudder	Standard	Max working angle 50 degrees
Rubber with Spikes	Optional	Max working angle 55 degrees
Self Tightening	Standard	
Length (Axle to Axle)	1192mm	

REMOTE CONTROLS

Working Range	150m	
Frequency	863 - 870 MHz (Certified by CE legislation)	
Battery	Interchangeable, Rechargeable	Two with each unit
Proportional Joysticks	Standard	

PERFORMANCE

Potentiometer Speed Control (0 to 100%)	1st Gear (Low range) Forward and Back	0 - 3,5 km/h
	2nd Gear (High range) Forward and Back	0 - 7 km/h

DIMENSIONS

Overall Width	1420mm
Overall Length (With Attachment)	2670mm
Overall Height	1150mm

WEIGHT

ROBOCUT	1040kg
Flailhead	170kg

ROBO-FLAILHEAD 1300

PART NO: 4000950 (GRASS 'Y' FLAILS)

PART NO: 4000951 (HAMMER FLAILS)

A high-performance 1.3m flailhead that comes with a choice of hammer and back-to-back grass 'Y' flails, the attachment is driven by a 3,000rpm energy-efficient spiral rotor and can tackle everything from grass to gorse.

Technical specification

- 1.3m cutting width
- Choice of grass cutting flails or hammer flails
- Full width rear roller
- 30mm cutting capacity
- 20-85mm cutting height
- +/- 14 degree head angling and floatation
- 3000 rpm rotor speed
- 170kg weight



ROBO-MULCHER

PART NO: 4000964

Ultra heavy-duty 1.25m forestry head that's ideal for tackling everything from heavy overgrowth to small saplings.

Technical specification

- 1.25m cutting width
- 22 ultra heavy duty hammer flails
- Unique high-performance rotor allows flails to swing through 360 degrees
- Hydraulic front hood
- Reinforced steel push bar
- 100mm cutting capacity
- 3000 rpm rotor speed
- +/- 14 degree head angling and floatation
- 315kg weight



ROBO-FOREST

PART NO: 4000968

A high-performance 1.25m fixed-tooth forestry flailhead that has the power to tackle everything from overgrowth to small trees.

Technical specification

- 1.25m cutting width
- 50 hard-wearing tungsten carbide fixed teeth
- Hydraulic front hood
- Reinforced steel push bar
- 100mm cutting capacity
- 3000 rpm rotor speed
- +/- 14 degree head angling and floatation
- 355kg weight



ROBO-ROTARY TURF MOWER

PART NO: 4000954

A high-performance 1.5m rotary mower. Hydraulically driven with a heavy-duty belt drive and rear discharge, the machine's three rotors propel six cutting blades at 2,200 rpm – delivering a fine-cut finish perfect for the horticultural, landscaping and amenities sectors.

Technical specification

- 1.5m cutting width
- Three rotors and six cutting blades
- Rear discharge of debris
- Robust steel construction
- 2200 rpm rotor speed
- +/- 14 degree head angling and floatation
- 280kg weight

ROBO-CUTTERBAR MD

PART NO: 4000957

A light and manoeuvrable 1.8m cutterbar that's ideal for maintaining grass and reeds where a close cut finish is vital.

Technical specification

- 1.8m cutting width
- 40 hard-wearing tungsten carbide teeth
- 20-80mm cutting height
- +/- 14 degree head angling and floatation
- Smooth cutting action
- Reinforced skids

ROBO-CUTTERBAR HD

PART NO: 4000970

Heavy duty 1.75m cutterbar designed to tackle thick vegetation with ease, leaving behind a close-cut finish.

Technical specification

- 1.75m cutting width
- 40 heavy-duty tungsten carbide teeth
- 20-100mm cutting height
- +/- 14 degree head angling and floatation
- Durable side panels
- Heavy-duty frame



ROBO-RAKE

PART NO: 4000956

A mobile and manoeuvrable rake attachment designed to thrive in steep-sided terrain, ROBO-rake is ideal for removing cut grass from river banks.

Technical specification

- 1.45m working width
- 40 rotating 250mm steel tines
- +/- 14 degree head angling and floatation
- Powerful dual belt drive
- Manoeuvrable 'zero-turn' wheels
- Height adjustable



ROBO-STUMP GRINDER

PART NO: 4000958

A robust stump grinder featuring a high-speed cutting wheel armed with heavy duty tungsten teeth. The machine can handle tree and bush roots and is ideal for dealing with unwanted stumps in previously inaccessible areas.

Technical specification

- 12 hard-wearing tungsten carbide teeth
- High-performance 1800rpm rotor
- 370mm cutting wheel diameter (inc teeth)
- Automatic head oscillation
- Reinforced steel protective hood cover
- Protective skirt
- 92kg weight



ROBO-CHIPPER

PART NO: 4000962

Driven by a powerful hydraulic motor, the ROBO-Chipper attachment makes light work of vegetation clearance and is capable of mulching small branches up to 90mm diameter.

Technical specification

- 90mm cutting capacity
- Powerful motor
- Safety disengagement bar
- Adjustable rotating discharge chute
- Wide inlet chute for easy feeding of material
- 2 blades and 8 hammers
- Folding for ease of travel
- 215kg weight



ROBOCUT ATTACHMENTS

ROBO-TRENCHER

PART NO: 4000961

Ideal for laying pipes or cables, the Trencher will enable operators to dig narrow channels with minimal damage to the ground.

Technical specification

- Choice of standard and heavy-duty tungsten carbide teeth
- Digs to a depth of 0.9m and a width of 120mm
- Adjustable boom angle controls the depth of the trench
- Reinforced steel safety guard
- Powerful hydraulic motor



ROBO-BLADE

PART NO: 4000953

The Universal Blade is equally at home clearing snow or grading soil. It features a hydraulically adjustable blade angle and a replaceable steel blade face.

Technical specification

- 1.7m working width
- Hydraulically adjustable blade angle
- Choice of standard plastic blade or optional steel blade (4000295 steel blade)
- 0.6m blade height
- +/- 20 degree blade oscillation
- +/- 14 degree head angling and floatation
- Replaceable blade edge
- 170kg weight (steel model)
- 95kg weight (plastic model)



ROBO-SNOW BLOWER

PART NO: 4000952

Armed with a high-velocity ejection unit, the Snow Blower provides a safe and effective solution when clearing roads and paths in hard-to-reach and potentially dangerous locations.

Technical specification

- 1.3m working width
- High-performance 520rpm rotor
- Full rotation chimney
- Powerful full-length cutting ring
- Hydraulic deflector from 0-45 degrees
- Protective throwing guards
- 290kg weight



ROBO-BRUSH

PART NO: 4000955

Robo-Brush helps operators clear up debris quickly and easily. With a working width of 1.5m, it's fast and effective in even the most challenging terrain.

Technical specification

- 1.5m working width
- Hydraulically adjustable sweeping angle
- Powerful 400rpm rotor
- +/- 14 degree head angling and floatation
- Hard-wearing brush
- Simple height adjustment via swivel wheels
- 190kg weight



ROBO-AIR BLAST SPRAYER

PART NO: 4000963

The Air Blast Sprayer has been designed to protect crops in orchards and vineyards. Powered by a 16kw motor, the machine features a 600mm high-performance fan and a 215-litre tank.

Technical specification

- 600mm high-performance fan
- 215-litre tank
- Ideal for orchards, polytunnels, nurseries and vineyards
- Robust construction
- Highly manoeuvrable



ROBO-FORK

PART NO: TBC

Perfect for moving materials in the most challenging environments, the fork attachment enables safe and effective transportation of everything from construction materials to sand bags for flood defence.

Technical specification

- Adjustable working width
- 300kg lifting capacity
- 40cm lift height
- Low maintenance
- Easy to use



ROBOCUT ATTACHMENTS

ROBO-TOE-TIP BUCKET

PART NO: 4000965

The toe-tip bucket attachment enables safe working in a range of restricted access and hazardous environments. Rugged and reliable, the new attachment is ideal for construction, demolition and military installations.

Technical specification

- 1.3m working width
- Heavy-duty build
- 516kg lifting capacity (HD model)
- 452kg lifting capacity (SD model)
- Ideal for work in quarries, culverts and construction sites



ROBO-LOADER AND BUCKET

PART NO: 4000966

Available as an attachment or as a designated machine, ROBOLoad features self levelling parallelogram arm geometry, heavy-duty build quality and is designed to thrive in potentially hazardous suites such as quarries, culverts, and mines.

Technical specification

- 1.3m working width
- 1.0m maximum lifting height
- 300kg lifting capacity
- Powerful hydraulic rams
- Self levelling parallelogram geometry
- *Recommended with ROBO-WEIGHT BLOCK (4000967)*



ROBOLOAD

ROBOLOAD is a compact remote control material handler for use in hazardous and restricted access areas such as culverts, mines and demolition sites.

Boasting a 150m working range, it boosts safety by removing operators from the danger zone while enabling precise fingertip control of all key manoeuvres and operations.



REMOTE CONTROL

ROBOLOAD features an easy-to-master control system with precise proportional controls and a working range of up to 150m.



HIGH LOADING CAPACITY

ROBOLOAD is equipped with a large loading bucket which can carry up to 300kg and raise to a maximum height of 1.0m. The machine is fitted with four powerful hydraulic rams, integrated rear ballast weights as standard, and features the best in self-levelling parallelogram geometry.



EASY-FIT BRACKET

A click-on, click-off bracket ensures the loader bucket can be safely mounted or removed in seconds. The entire loader can be demounted quickly, transforming the machine into a ROBOCUT and enabling compatibility with McConnel's full range of attachments.

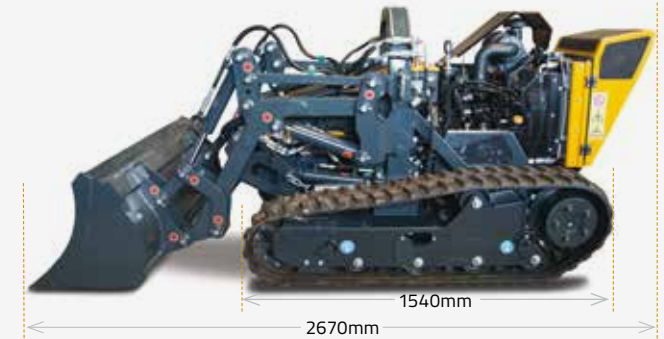
**DELIVERS
OUTSTANDING
LOADING
CAPABILITIES**







ROBOLOAD



ROBOLOAD

SPECIFICATION

ENGINE

Make	Isuzu, naturally aspirated, 3 Cylinder	1642 cc
HP	40hp (29kw)	3000 max rpm
Torque	104 Nm	
Fuel	Diesel	
Fuel Tank Capacity	21 litres	
Fuel Consumption (maximum)	6.5 l/h	Dependent on work load
Water-cooled Radiator	Standard	
Self Cleaning (Reversible Fan)	Standard	
Transmission	Hydrostatic	
Maximum Noise Levels	105 dB(A)	Acoustic power level = dB(A) LwA

HYDRAULICS

Independent Flailhead Circuit	Closed circuit piston hydraulic system	max 57 l/min at 3000 rpm
Independent Track Drive Circuit	2 x Closed circuit hydraulic piston pumps	
Aux Service	1 Double acting auxiliary service for additional service	5 l/min a 180 bar, double acting
Independent Intercooler	Standard	
Oil Tank Capacity	16 litres (30 litres held in system)	Biodegradable Oil
Attachment Lift Capacity	320kg	

TRACKS

Rudder	Standard	Max working angle 50 degrees
Rubber with Spikes	Optional	Max working angle 55 degrees
Self Tightening	Standard	
Length (Axle to Axle)	1192mm	

REMOTE CONTROLS

Working Range	150m	
Frequency	863 - 870 MHz (Certified by CE legislation)	
Battery	Interchangeable, Rechargeable	Two with each unit
Proportional Joysticks	Standard	

PERFORMANCE

Potentiometer Speed Control (0 to 100%)	1st Gear (Low range) Forward and Back	0 - 3,5 km/h
	2nd Gear (High range) Forward and Back	0 - 7 km/h

DIMENSIONS

Overall Width	1420mm
Overall Length (With Attachment)	2670mm
Overall Height	1150mm

WEIGHT

ROBOCUT	1040kg
Loader	TBC

Roboload with parallel lift capability



To see the range of ROBOLOAD accessories go to **page 52**

ROBOPOWER

The latest addition to McConnel's remote control range, ROBOPOWER is part of the new generation of unmanned tractors, offering three-point linkage front and rear and compatibility with a comprehensive range of agricultural and industrial machinery.

Equipped with a high-performance 140hp Deutz diesel engine, ROBOPOWER has the working capabilities of a traditional tractor and yet its high-grip tracks, low centre of gravity, and high-stability design allow it to work safely on slopes of up to 45 degrees.

With almost limitless functionality, ROBOPOWER is one of the toughest, most powerful and most productive remote control machines anywhere in the world.



REMOTE CONTROL

ROBOPOWER features an easy-to-master control system with precise proportional controls and a working range of up to 150m.



SAFE, PRODUCTIVE WORKING

With a safe working range of 150m, high-grip tracks and a low centre of gravity, ROBOPOWER boosts productivity by opening up previously hazardous and hard-to-reach areas.



WORK LONGER AND HARDER

Front and rear halogen lights improve safety and visibility and open up opportunities for evening and night work.

OUTSTANDING ALL-TERRAIN PERFORMANCE







ROBOPOWER



ROBOPOWER

SPECIFICATION

ROBOPOWER ATTACHMENTS

With front and rear three-point linkage and PTO, ROBOPOWER is compatible with a massive array of agricultural and industrial attachments.

ROBOPOWER
FRONT LINKAGE AND PTO **50**

ROBOPOWER
REAR LINKAGE AND PTO **50**

ROBOPOWER
MAGNUM MULCHA
225 FM **50**

To see the range of ROBOPOWER accessories go to **page 52**

ENGINE

Make	IDEutz, naturally aspirated, 4-cylinder	4038cc
HP	140HP (103kw)	2300 rpm
Torque	520 Nm	1600 rpm
Fuel	Diesel	
Fuel Tank Capacity	125 litres	
Fuel Consumption (maximum)	28 l/h	Dependent on workload
Water-cooled Radiator	Standard	
Self-Cleaning Matrix	Standard	
Transmission	Hydrostatic	
Maximum Noise Levels	LpA = 71 dB(A)	Acoustic power level = dB(A) LwA 102

HYDRAULICS

Transmission	Closed circuit tandem piston hydraulic system	Max 100 l/min at 420bar
PTO rear	Closed circuit hydraulic piston pumps	Max 180 l/min at 350bar
Utility	Gear pump	Max 35 l/min at 350bar
Fan Drive	Gear pump	Max 35 l/min at 350bar
Independent Intercooler	Standard	
Oil Tank Capacity	75 litres	

TRACKS

Rubber	Standard	Max working angle 40 degrees
Rubber with Spikes	Optional	Max working angle 45 degrees
Self Tightening	Standard	
Length (Axle to Axle)	1926mm	

REMOTE CONTROLS

Working Range	150m	
Frequency	434 MHz (Certified by CE legislation)	
Battery	Interchangeable, rechargeable	Two with each unit
Proportional Joystick	Standard	

PERFORMANCE

Potentiometer Speed Control (0 to 100%)	1st Gear (low range) Forward and Back	0-10km/h
	2nd Gear (High range) Forward and Back	6-10km/h

DIMENSIONS

Overall Width	1900mm
Overall Length	2750mm
Overall Height	1620mm

WEIGHT

ROBOPOWER (no equipment)	4620kg
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ROBOPOWER FRONT LINKAGE AND PTO

Technical specification

- Cat II linkage
- Fold-up link arms
- 4,600kg lift capacity
- 2 x Double-acting hydraulic services
- 1 x High flow, low pressure service
- 540 and 1,000 PTO speed (hydraulic)
- Clockwise or anti-clockwise direction



ROBOPOWER REAR LINKAGE AND PTO

Technical specification

- Cat II linkage
- Fold-up link arms
- 4,600kg lift capacity
- 2 x Double-acting hydraulic services
- 540 and 1,000 PTO speed (mechanical)
- Clockwise direction



ROBOPOWER MAGNUM MULCHA 225 FM

PART NO: 1098900

An ultra heavy-duty forestry mulcher with 2.25m working width, the Magnum Mulcha is armed with free-swinging hammer flails and can shred vegetation and tree stumps up to 200mm thick.

Technical specification

- 2.25m working width
- 200mm cutting capacity
- Robust and durable design
- Full width push bar
- 20 heavy-duty hammer flails
- 1,000 PTO speed
- 1,850kg weight



ROBOPOWER ATTACHMENTS



OPTIONS & ACCESSORIES

McConnel’s range of accessories enables operators to customise their machine to match the job, the conditions, and personal preferences. Three different types of tracks are available – including heavy-duty spike kits for work in the most challenging terrain. Customers can also equip their machine with extra protection – adding a reinforced steel roll-bar, and boost productivity by adding high-visibility night lights.



	ROBOZERO	ROBOMOZ	ROBOCUT	ROBOPOWER	ROBOLOAD
Accessories					
Track options		■	■	■	■
Halogen night lights			■	■	■
Trailer	■	■	■		■
Flashing beacon		■	■	■	■
Air filter protection		■	■		■
Hydraulic side-shift			■		
Roll bar		■	■		■
Tow bar		■	■		■
Ballast weights			■		■



REPLACEMENT STANDARD TRACK

PART NO: 4000263

- Suitable for mowing up to 40 degrees
- Low ground disturbance
- Hard-wearing rubber compound
- (Two tracks to be ordered)

TRACK OPTIONS



REPLACEMENT SUPER RUBBER TRACK

PART NO: 4000333

- Suitable for slopes up to 55 degrees
- Angled contours for extra grip
- Hard-wearing rubber compound
- (Two tracks to be ordered)



REPLACEMENT STUDED TRACK

PART NO: 4000290

- Suitable for steep slopes and testing conditions such as snow and slippery ground
- (Two tracks to be ordered)

PART NO: 4000264

- Available with optional spike kit
- Only one spike kit required per machine



ENHANCED VISIBILITY



HALOGEN NIGHT LIGHTS

PART NO: 4000334

- Enhances safety and productivity when working at night or in poor visibility
- Easy to fit

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FLASHING BEACON

PART NO: 4000294

- High-visibility flashing warning light
- Enhances visibility
- Complies with safety-at-work regulations

IDEAL FOR MOW-AND-GO

ROBO TRAILER

PART NO: 4000959

- 4.55m length / 2.2m width
- 2,100kg carrying capacity
- Beam axle
- Leaf-sprung suspension
- Heavy-duty tailboard
- Spare wheel and carrier
- Road lighting kit
- Secure tailgate locks and lashing rings
- Prop stands
- 585kg weight



AIR FILTER PROTECTION

PART NO: 4000335

- Robust build quality
- Quick and easy fitting
- Protects your machine from contact damage



HYDRAULIC SIDE-SHIFT

PART NO: 4000969

- Easy attachment
- 275mm side-shift
- Aids manoeuvrability



ROLL BAR

PART NO: 4000152

- Protects the machine in the most challenging conditions
- Robust steel construction
- Quick and easy attachment



TOW BAR

PART NO: TBC



BALLAST WEIGHTS

PART NO: 4000967

- Rear ballast weight - 128kg

WHY MCCONNEL?

When you buy a McConnel remote control product, you're not just getting an exceptional machine – you're also getting a first-class aftercare package that supports you throughout the lifespan of your product. So whether you need an urgent part; service assistance; or online information on how to get the best from your machine, McConnel should always be your first choice.

Key benefits of buying your machine from McConnel include:

- An international network of dealers and distributors provides full service and support in 40 countries across the globe
- Every machine is subjected to an exhaustive performance test before being released to a customer
- A comprehensive stock of genuine replacement parts can be sent to dealers around the world via international couriers
- A proven product with ROBOCUTs working successfully everywhere from Papua New Guinea to New Zealand, Canada to China
- Our highly-skilled team of service professionals train hundreds of dealers every year and can offer expert support if you have an issue that can't be resolved quickly by your local team
- A fast-growing range of attachments and accessories dramatically expand remote control functionality, transforming the machine into a wood chipper, stump grinder, trencher, snow blower....
- Customisation is fully supported with McConnel working with customers to help them create bespoke machines.
- An online library of essential information including Operator's Guides, Parts Books, and multimedia product information is available.



No other company in the mainstream remote control sector can match the product range, after-care and international reach of McConnell, so if you're keen to take advantage of the very latest all-terrain remote control technology, **can you afford not to choose McConnell?**

POWER ARMS

McConnel offers a comprehensive selection of Power Arms with 12 different series and 38 different models. Customers can choose from thousands of different build variations enabling them to create a personalised spec that is ideal for their needs. A wide selection of working attachments is also available from tree saws to ditch cleaners.



For more information on McConnell's full machine line-up **please visit www.mcconnel.com**

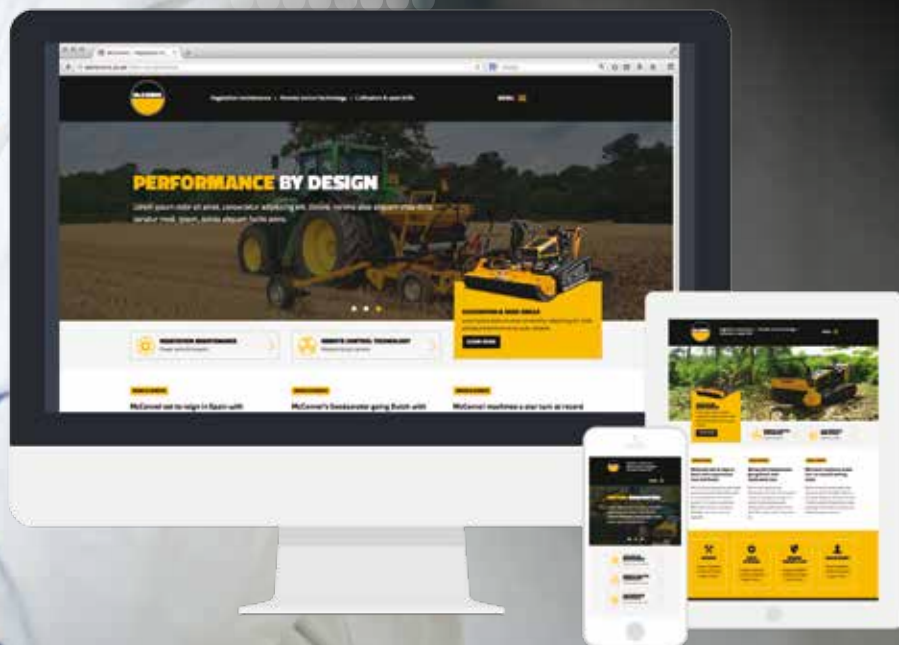
FLAIL AND ROTARY MOWERS

Whether you are looking for a flail or rotary mower, McConnell has a machine to match your needs with a choice of 10 different series and 24 machines available. The choice includes everything from 1.3m compact flail mowers to 8.2m high-performance flex-wing rotary mowers.



CULTIVATION AND GRASSLAND

McConnel has invested heavily in expanding and evolving its cultivation and grassland range – offering a selection of popular soil conditioners, aerators, stubble and deep-soil cultivators. The 2014 launch of the SEEDAERATOR marks the company's entry into the fast-growing seed drill sector.



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