



# RAZORBACK

A GREENER FUTURE





# The Razorback Way

Backed by decades of expertise, the Razorback range is a display of pioneering design with the high quality expected of an established British manufacturer.

## Our evolution

Headed by Martin Lole, a farmer and engineer who has enjoyed a successful career as the driving force behind several leading UK vegetation and conservation agriculture brands, Razorback draws on over 100 years of combined industry knowledge shared by its experienced engineering, sales and service teams.

The innovative range includes state-of-the-art rotary hedgecutting and mowing solutions which are synonymous with quality, durability and ease of use.

By challenging the status quo Razorback continuously pushes the envelope in terms of innovation and offer high-end, user-friendly specification as standard across the whole range.



“ We are passionate about well-engineered, user friendly solutions with aftersales support that gives you total peace of mind ”

*Martin*



## Blade Series

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Rotary Mower

The Razorback Blade's unique semi-mounted headstock delivers an exceptional turning circle, but more importantly protects the PTO shaft from damage during use for a truly operator friendly machine.



## RT Series

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Rotary Mower

The RT Series boasts solid construction and an efficient rotary blade action that make light work of demanding agricultural and amenity operations.



## 57 Series

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Reach Mower

Designed with a unique hitch system, the Razorback 57 ensures superior stabilisation for a balanced operation and represents a marked advancement in hedgecutter mounting.



## Auto-Level Series

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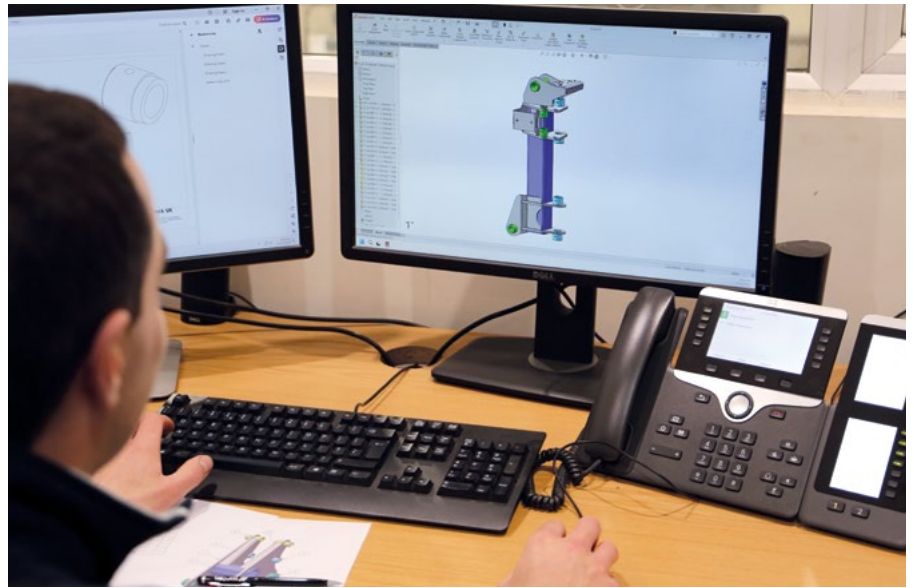
Reach Mower

Incorporating revolutionary technology, the Razorback Auto-Level is a next generation series of reach mowers with a smart self-levelling device.

# Built in Britain

## In-house design

Our whole range is meticulously designed by our in-house team of designers and engineers, who share a renowned heritage in the vegetation equipment industry. Having founded Spearhead Machinery, and now leading the Razorback brand, Head Designer Martin Lole drives forward with his wealth of knowledge as both an engineer and an end user to create innovative solutions, forever evolving to suit the needs of our customers.



## Extensive testing

As part of our delivery from initial idea to product launch, all of our machinery goes through rigorous testing at our dedicated trial farm in Worcestershire. From here we put new ideas to the test, and carry out ongoing trials to continually develop our machines.

Wider testing is carried out by our network of test users who collaborate with us across industries including agricultural, municipal and aviation. The result is a range of machinery specifically developed with the end user in mind, with emphasis on the quality of controls, increased operator comfort and superior performance.



## Supporting British manufacturing

As a British manufacturer, we are proud to support British industry throughout our manufacturing process.

From our network of local suppliers, to our in-house weld, paint and assembly teams, we are dedicated to crafting a high quality, long lasting machine that will continue to deliver day in day out for years to come.



## Award winning backup and support

At Razorback, we are passionate that excellent support shouldn't end at delivery.

That's why our award-winning team of sales and service support are on hand to support you and your new machine, whether that be for a spare parts enquiry or on-site service support, our team consistently go the extra mile to ensure you get the best out of your Razorback.



# Blade Series

## Rotary Mower



**Featuring Razorback's renowned build quality and attention to detail, the Blade is the culmination of decades of heritage in the vegetation management industry to deliver a simple, hardworking solution to paddock and amenity mowing with an exciting range of new-to-market features.**

### **Low power: Exceptional cut**

A unique twin-compact blade system has been developed to provide exceptional cutting capacity with reduced horsepower requirements. Free swinging through 360 degrees, the small design blades not only reduce cost and wastage at the replacement stage, but also, for the life of the blade, help to reduce the torque strain on clutches resulting in improved overall machine health.

Combined with strategic underside skirting, the Razorback Blade mulches chopped residue

and distributes it evenly across the full width of the mower contributing to a clean, even cut and finish every time.

### **One-touch axle adjustment**

With relative axle control across the width of the machine, operators can quickly and accurately set the cutting height with just one adjustment. The Razorback Blade achieves this through combining a single ram with an integrated axle design for the ultimate simple-setup.

The Razorback Blade can be configured with four, six or eight heavy duty low-profile implement wheels depending on user requirements.

### **Semi-mounted for safe, secure operation and quick touch control**

The Razorback Blade's unique semi-mounted headstock delivers an exceptional turning circle, but more importantly protects the

PTO shaft from damage during use for a truly operator friendly machine. With worker safety paramount, the Blade's unique solution to PTO protection is unmatched in a machine of its kind. In addition to safer operation, the semi-mounted headstock allows for on-the-go quick adjustment of the cutting height thanks to lifting and lowering the link arms ideal for tailoring the cut depending on the residue.





## Key Features:

- Semi-mounted headstock for sharp turning circles and ultimate PTO protection
- On-the-go height adjustment via tractor link arms
- Free swinging twin Blade system delivers an exceptional cut with reduced horsepower requirements
- One-touch cutting height control with integrated axle design, reducing setup time
- High specification 250hp driveline fitted with easy lubrication system and top of the range guards
- A truly easy clean deck for reduced downtime and machine longevity
- Customisable axle available with four, six or eight wheels
- Compact footprint when folded for safe travelling with LED Road Lighting Kit

## Blade Series

### Dimensions

|                          |          |
|--------------------------|----------|
| Working Width            | 5m       |
| Overall Width            | 5.2m     |
| Overall Length           | 5.1m     |
| Transport Width          | 2.4m     |
| Minimum Transport Height | 2.1m     |
| Weight                   | 2,490kg* |

### Cutting Capacity

|                  |           |
|------------------|-----------|
| Cutting Width    | 5m        |
| Cutting Height   | 0mm-400mm |
| Cutting Capacity | 6ha/hr    |

### Driveline

|                         |          |
|-------------------------|----------|
| Splitter Gearbox Rating | 250hp    |
| Rotor Gearbox Rating    | 100hp    |
| Slip Clutch Protection  | Standard |

### Tractor Requirements

|                            |          |
|----------------------------|----------|
| PTO Speed                  | 1,000rpm |
| Minimum Tractor Horsepower | 70hp+    |

### Blade Configuration

|                            |                                  |
|----------------------------|----------------------------------|
| Number of Rotors           | 3                                |
| Number of Blades           | 6 (2 per rotor)                  |
| Blade Design               | Hardened Updraft Swinging Blades |
| Blade Overlap              | 100mm                            |
| Swedish Boron Steel Blades | Standard                         |

### Front Hitch

|                                    |              |
|------------------------------------|--------------|
| Semi-Mounted Headstock             | Standard     |
| Parallel Leveling Drawbar          | Optional     |
| Main Driveshaft Joint              | 80° CV Joint |
| Hydraulic Hose Rack and PTO Holder | Standard     |

### Deck Configuration

|                                |                             |
|--------------------------------|-----------------------------|
| Deck Construction              | Double Skin                 |
| Hydraulic Wing Operating Range | 120°                        |
| Front/Rear Guards              | Heavy Duty Close Link Chain |

### Wheel Assembly

|   |                      |
|---|----------------------|
| Heavy Duty Low Profile Implement Wheels | Standard             |
| Wheel Assembly                          | 4 Wheels as Standard |
| Optional Wheel Assembly                 | 6 or 8 Wheel Upgrade |



# RT Series

## Rotary Mower



### The highest standard of British engineering

The RT Series boasts solid construction and an efficient rotary blade action that make light work of demanding agricultural and amenity operations.

Designed and built in the UK, the RT Series is the result of decades of heritage and as a result, culminates a multitude of clever features to improve performance and operator satisfaction.

With features like an easy-clean double skin deck and full-length removable skid shoes the machine is built with strength and durability in mind.

In addition, the RT Series is fitted with high specification gearboxes and driveshafts complete with easy lubrication system. Housed by top of the range guards, the 250 HP driveline assembly provides ample power to the mower's triple-blade rotors.



## Exceptional finish

The combination of the deck's unique shape and the triple blade configuration produces unparalleled updraft to award users a superior cut, across all lengths of swath finishes.

Incorporating a generous overlap the free-swinging blades have been made out of Swedish boron steel to deliver an exceptionally clean cut. Chopped residue is distributed across the entire working width of the machine and debris is contained by the front and rear chain guards.

Four individually pressurised wheel arms fitted with heavy duty wheels on twin axles award superior stability thanks to better cutting height control, contributing towards a smoother finish.

Allowing the machine to closely follow the contours of the ground the RT's wings offer a wide range of movement and an innovative yet simple, wing free float helps to protect rams from excessive wear.

## Built with durability and ease of use in mind

As well as the fine quality of cut, the attention to detail extends to other useful features such as a tight turning circle, MOD approved hydraulic hoses, a PTO driveline rest, full width LED lighting bar and a compact transportation width of just 2.4m.

The high-end specification and exceptional performance in all conditions make the Razorback RT Series a sound choice for farms, airports, racecourses and council and amenity contractors.



| RT Series                               | RT 500                           | RT 750                           |
|---|----------------------------------|----------------------------------|
| <b>Dimensions</b>                       |                                  |                                  |
| Working Width                           | 5m                               | 7.5m                             |
| Overall Width                           | 5.27m                            | 7.77m                            |
| Overall Length                          | 5.58m                            | 5.9m                             |
| Transport Width                         | 2.4m                             | 2.4m                             |
| Minimum Transport Height                | 2.15m                            | 3.4m                             |
| Weight                                  | 2,960kg                          | 4,000kg                          |
| <b>Cutting Capacity</b>                 |                                  |                                  |
| Cutting Width                           | 5.0m                             | 7.5m                             |
| Cutting Height                          | 0mm - 400mm                      | 0mm - 400mm                      |
| Cutting Capacity                        | 6ha/hr                           | 9ha/hr                           |
| <b>Driveline</b>                        |                                  |                                  |
| Splitter Gearbox Rating                 | 250hp                            | 250hp                            |
| Rotor Gearbox Rating                    | 100hp                            | 100hp                            |
| Slip Clutch Protection                  | Standard                         | Standard                         |
| <b>Tractor Requirements</b>             |                                  |                                  |
| PTO Speed                               | 1,000rpm                         | 1,000rpm                         |
| Minimum Tractor HP                      | 80hp +                           | 120hp +                          |
| <b>Blade Configuration</b>              |                                  |                                  |
| Number of Rotors                        | 3                                | 5                                |
| Number of Blades                        | 9 (3 per rotor)                  | 15 (3 per rotor)                 |
| Blade Design                            | Hardened Updraft Swinging Blades | Hardened Updraft Swinging Blades |
| Blade Overlap                           | 100mm                            | 100mm                            |
| Swedish Boron Steel Blades              | Standard                         | Standard                         |
| <b>Front Hitch</b>                      |                                  |                                  |
| Parallel Levelling Front Hitch          | Standard                         | Standard                         |
| Main Driveshaft Joint                   | 80° CV Joint                     | 80° CV Joint                     |
| Hydraulic Hose Rack & PTO Holder        | Standard                         | Standard                         |
| <b>Rear Implement Hitch</b>             |                                  |                                  |
| Clevis Hitch                            | Standard                         | Standard                         |
| Rear LED Lighting Kit                   | Standard                         | Standard                         |
| <b>Deck Configuration</b>               |                                  |                                  |
| Deck Construction                       | Double Skin                      | Double Skin                      |
| Hydraulic Wing Operating Range          | 120°                             | 120°                             |
| Front/Rear Guards                       | Heavy Duty Close Link Chain      | Heavy Duty Close Link Chain      |
| <b>Wheel Assembly</b>                   |                                  |                                  |
| Heavy Duty Low Profile Implement Wheels | Standard                         | Standard                         |
| Wheel Mounting & Assembly               | 8 Twin Axle Wheels (2 per Axle)  | 8 Twin Axle Wheels (2 per Axle)  |
| <b>Options</b>                          |                                  |                                  |
| Rear Hydraulic Services                 | Optional                         | Optional                         |

\*All weights, measurements and horse power requirements shown in the specification are approximate



# 57 Series

## Reach Mower



**The Razorback 57 Reach Mower combines modern hedgecutting technology with a passion for improving operator experience from setup to finish.**

**Designed with a unique hitch system, the Razorback 57 ensures superior stabilisation for a balanced operation and represents a marked advancement in hedgecutter mounting.**

### Compact design

Engineered with a compact tank to enhance operator visibility, the sleek and uncomplicated design not only simplifies maintenance but also improves airflow, ensuring efficient heat dissipation for optimal performance.

The compact footprint also improves balance, ensuring better control, especially when working on uneven terrain or at varying angles. This feature ultimately leads to a smoother,

more efficient cutting experience, improving both safety and productivity.

### ACI : Active Contour Intelligence

As standard the Razorback 57 is available with a 1.2m or 1.5m flail head with soft start rotor and heavy duty forged hammer flails offering an exceptional cut across both hedge and verge. In addition, for operators looking to seamlessly control cutting height on the go, the head can be configured with Razorback's Active Contour Intelligence.

The Razorback ACI system is an intelligent active suspension that accurately tracks and reacts to the contours of the verge for hands-free height adjustment.

Coveted by verge mowing contractors, Razorback's ACI technology significantly increases output and productivity while reducing operator fatigue.

The ACI system features a spring suspended rear roller which actively tracks the contours of the ground and adjusts the cutting height according to the parameters set by the operator. This intelligent system ensures operators are in full control of the reaction of the head and can set the scope of movement accordingly, depending on terrain and level of response required.

### Key Features:

- Superior stability using principles of tensegrity
- Low, compact tank to prevent heat build-up
- Quick and easy setup and adjustment
- Efficient flail head with whale tail flails
- Optional Advanced Electronic Proportional Controls





## 57 Series

### Controls

|   |          |
|---|----------|
| Cable Controls                            | Standard |
| Advanced Electronic Proportional Controls | Optional |

### Mounting

|                                     |          |
|-------------------------------------|----------|
| Tensegrity Style Stabilising System | Standard |
| Rear 3-Point Linkage                | Standard |

### Armset

|                       |          |
|-----------------------|----------|
| Parallel Arm Geometry | Standard |
|-----------------------|----------|

### Hydraulics

|                              |          |
|------------------------------|----------|
| Horsepower                   | 68hp     |
| System Type                  | Gear     |
| Pump Type                    | Cast     |
| Oil Tank Capacity            | 200ltr   |
| Oil Cooler                   | Standard |
| Independent Hydraulic System | Standard |

### Safety Equipment

|                       |          |
|-----------------------|----------|
| LED Road Lighting Kit | Standard |
| Safety Breakaway      | Standard |
| Power Slew            | Standard |

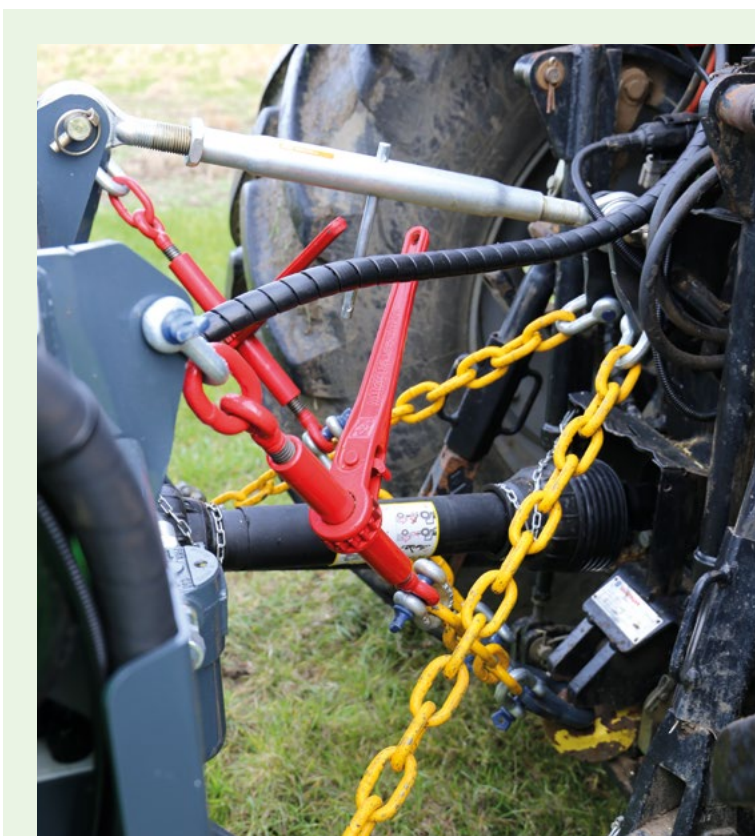
### Tractor Requirements

|                            |         |
|----------------------------|---------|
| Minimum Tractor Weight     | 3,500kg |
| Minimum Tractor Horsepower | 85hp    |

### Specification

|                                   |         |
|-----------------------------------|---------|
| Reach                             | 5.7m    |
| Weight (incl. Oil and Flail Head) | 1,600kg |

\*All weights, measurements and horse power requirements shown in the specification are approximate



### Superior Stabilisation

With the Razorback 57's unique hitch system based on the principles of tensegrity, the hedgecutter is suspended in a state of equilibrium ensuring superior stability across the machine.

This stability translates into a balanced and steady operation, with the hedgecutter no longer acting to twist and lift the tractor link arms which is a common trait of standard 3-point-linkage hitches, and creates a stable relationship between hedgecutter and tractor.

With a series of turnbuckles, setup and adjustment is quick and simple, and allows operators to swiftly and easily swap tractors, or balance the system for optimum control.

Patent application number: 2413276.3

# Auto-Level Series

## Self-Levelling Reach Mower



### A cutting-edge system with decades of heritage

**Incorporating revolutionary technology, the Razorback Auto-Level is a next generation series of reach mowers with a smart self-levelling Co-Pilot device that delivers increased productivity, a superior finish and significant cost savings.**

Highly versatile with a range of head and reach options, the Auto-Level is at home with all types of verge mowing and hedgecutting tasks.

With robust construction the Auto-Level series combines efficiency, power and usability making it appealing to farmers and contractors alike.

### Smart self-levelling Co-Pilot\* system

The Auto-Level Series features revolutionary self levelling Co-Pilot technology which ensures that the main frame of the machine remains level at all times, irrespective of the tractor angle in relation to undulating ground.

This unique feature awards an exceptionally smooth finish regardless of the terrain, making for a more comfortable and effortless experience.

Operation is simple and precise thanks to the advanced electronic proportional controls which incorporate a 3-axis joystick. The main control box features rotor on/off, level sensitivity and Auto-Level Co-Pilot on/off functions.

### Key Features:

- Auto-Level Co-Pilot technology keeps the machine level at all times
- Advanced electronic proportional controls as standard
- Oil cooler and angle float kit as standard
- 5.5m and 6.8m telescopic models available



## Features & head options

High specification comes as standard with the Auto-Level series, however there's still multiple opportunities to customise the machine specific to the individual operators requirements, including two head options, a quick attach kit and an optional lift float.



## Flail Head series

- SoftStart rotor available in 1.2m and 1.5m widths, fitted with heavy duty forged hammer flails
- Unique hood design allows for better trash flow and efficient cutting action
- Adjustable front hood and rear roller suits both hedge and verge mowing operations



| Auto-Level Series                                    | 550  | 680      |
|--|--|----------|
| <b>Advanced Controls</b>                             |  |          |
| Advanced Electronic Proportional Controls            | Standard   | Standard |
| Auto-Level Co-Pilot                                  | Standard   | Standard |
| <b>Mounting</b>                                      |  |          |
| Rear 3-Point Linkage                                 | Standard   | Standard |
| Rear 3-Point to 4-Point Hitch Stabiliser Kit         | Standard   | Standard |
| <b>Armset</b>  |  |          |
| Parallel Arm Geometry                                | Standard   | Standard |
| <b>Hydraulics</b>                                    |  |          |
| Horsepower   | 68HP   | 68HP     |
| System Type  | Gear   | Gear     |
| Pump Type  | Cast   | Cast     |
| Oil Tank Capacity                                    | 220ltrs  | 220ltrs  |
| Oil Cooler   | Standard   | Standard |
| Independent Hydraulic System                         | Standard   | Standard |
| <b>Safety Equipment</b>                              |  |          |
| LED Road Lighting Kit                                | Standard   | Standard |
| Safety Breakaway                                     | Standard   | Standard |
| Power Slew   | Standard   | Standard |
| <b>Tractor Requirements</b>                          |  |          |
| Minimum Tractor Weight                               | 3,500kg  | 4,500kg  |
| Minimum Tractor Horsepower                           | 85HP   | 95HP     |
| <b>Specification</b>                                 |  |          |
| Reach  | 5.5m   | 6.8m     |
| Weight (including the Rotary Head and 220ltr of oil) | 1,880kg  | 2,050kg  |
| <b>Options</b>                                       |  |          |
| Lift Float Kit                                       | Optional   | Optional |
| Quick Attach Kit                                     | Optional   | Optional |
| Angle Float Kit                                      | Optional   | Optional |
| <b>Head Options</b>                                  |  |          |
| Flail Head 120                                       | 1.2m cutting width with belt driven SoftStart rotor. 18 heavy duty forged hammer flails. |          |
| Flail Head 150                                       | 1.5m cutting width with belt driven SoftStart rotor. 22 heavy duty forged hammer flails. |          |

\*All weights, measurements and horse power requirements shown in the specification are approximate



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The right to change specification or equipment at any time is reserved.  
Orders are accepted subject to our standard conditions of sale; a full copy  
is available on request. A twelve month warranty is available to customers  
directly from Mzuri. Further details and copies of these documents are avail-  
able on request. All weights, measurements and horse power requirements  
shown in the literature are approximate.

