



FLAILBOT

REMOTE CONTROLLED MOWING

THE WIRELESSLY OPERATED
TRACK MOWER FOR
CHALLENGING TERRAINS

Proven Landscape Technology





ULTIMATE MOWING CAPABILITY ZERO OPERATOR RISK

Covering challenging, steeply inclined terrain with a traditional man-on-board power mower puts a driver at risk.

Remotely controlled wirelessly, Flailbot provides ultimate mowing capability whilst keeping the operator at a safe distance.

With a powerful 40hp engine, twin-track grip, excellent manoeuvrability and flexible tool attachment options, Flailbot delivers the all-terrain performance you need.



FOR EVERY SITUATION CONFIDENCE ON ANY TERRAIN

Powerful mowing machinery needs to perform consistently.

To navigate variable or vulnerable terrain easily, Flailbot offers different track options: Standard rubber with low impact to limit pressure on the ground; high grip rubber for mixed soils; and, for extreme slopes, steel-linked tracks with inserts and additional studs.

Whilst the engine is running, oil pressure-controlled track tensioners keep both tracks correctly tensioned automatically, preventing track loss and maximising grip on difficult ground. Protected track idler sprockets and wheels further secure the tracks. For particularly difficult or steep conditions, the operator can also remotely extend each track width individually by 250mm / 10", increasing the footprint for added stability and grip.



Above: Individual tracks can be extended by up to 250mm / 10".

Left: For greater control both tracks can be extended to give an additional 500mm / 20" track base.



Standard Track

Rubber track with low impact tread pattern. Ideal for most normal terrain.

Hi-Grip Track

Rubber track with deep tread pattern. Offers enhanced grip for mixed substrates.

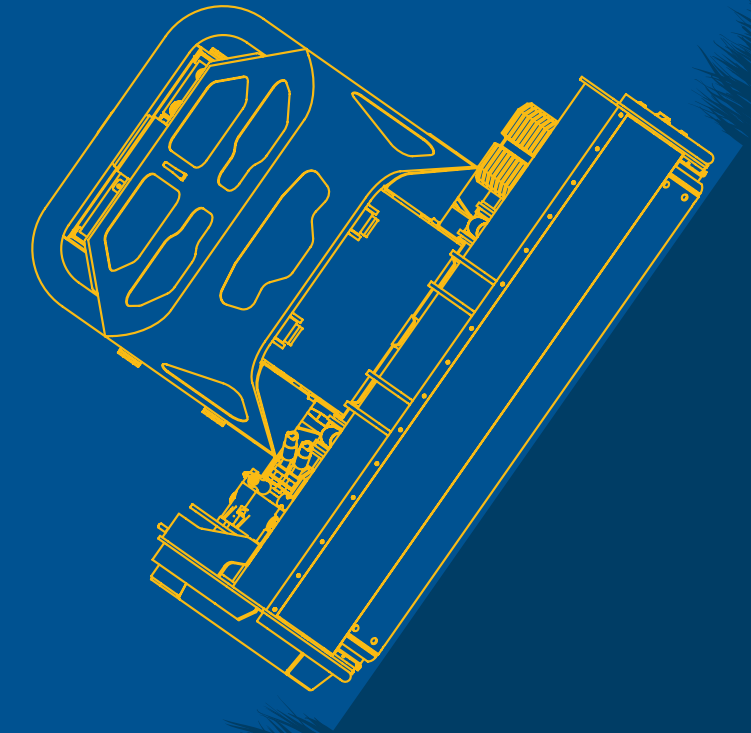
Metal Spiked Track

Steel-linked tracks with spiked studs. Offers maximum traction and stability navigating steep, challenging inclines.

TAKE IT TO THE LIMIT A HEAD FOR HEIGHTS

Flailbot is as at home on steep slopes as it is on flatter areas.

Remote control makes it ideal for use for hilly and mountainous areas; banks, escarpments and highways; near railway lines; military land; industrial and energy plants; public parklands; forested areas; airports, drainage systems and reservoirs; municipal areas; and sports facilities.



**55°
WORKING
ANGLE**



POWERFUL & EFFICIENT ENGINEERED FOR EXCELLENCE

Flailbot boasts a 3-cylinder industrial diesel Perkins engine developing 40 HP.

Robust and delivering ample power and torque, it performs reliably, under arduous or extended duty, without overheating. The whole powertrain has been designed and tested to work continuously, even on gradients of up to 55°.

ADVANCED COOLING

A Flexxaire fan ensures a safe operating temperature in all conditions. In reverse operation, debris is blown clear from the engine.



FLASHING LEDS

40HP ENGINE

ROBUST ROLLBAR

POWERFUL HEADLIGHTS

REMOTE CONTROL RECEIVER IN PROTECTIVE HOUSING

STRONG GRIPPING TREADS

TOUGH CHASIS & UNDERBODY

DURABLE & ROBUST BUILT TO LAST

To protect the engine, bearings and components, a tough underbody skin is structurally integrated into the frame, preventing ingress of debris, fragments and grit.

A robust roll bar, integrated into the chassis, can also be used to hoist the vehicle if needed. In addition to a 4-point attachment system for lifting, the frame includes front and rear fastening systems for optional tools and equipment. Flashing LEDs and powerful headlights ensure high visibility during operation.

THINKING AHEAD

To reduce the risk of flying debris when reverse rotation is selected, the front hood of the cutting head is held closed by an electronic interlock. Pressure sensors, meanwhile, electronically control flail head float via lift rams.

PRECISE & UNIFORM THE PERFECT CUT

To maintain the optimum cutting height and angle the cutting head floats over the terrain, constantly adjusted automatically via hydraulic actuators.

An adjustment system allows Flailbot to be calibrated to match the tool heads in use. The high strength steel cutting head has a cutting width of 1500 mm / 59". For constant uniform coverage of the mowing area, the cutting rotor has multi-purpose flails arranged in a helical pattern.

MULTI-PURPOSE FLAILS

Multi purpose cutting knives for grass and scrub, giving a fine cut finish.



RESPONSIVE & INTUITIVE ULTIMATE CONTROL

The remote control, operating all Flailbot functions, has a range of up to 150m / 42'.

Joysticks provide precise control of forward or reverse track speeds from 0-7 km/h / 0-4.5 mph. Real-time critical machine data, including incline, attitude and speed, is fed to a visual display on the controller. When working on slopes, the operator can adjust the offset needed to maintain direction. A service assistant function assists routine maintenance and diagnostics.



TOOLS & ACCESSORIES

ULTIMATE FLEXIBILITY.

A comprehensive range of tools and accessories allow Flailbot to be easily configured for a wide range of applications.

Green Maintenance

- Shredder with a 150 cm / 6" cut and multipurpose flails.
- Forestry shredder with trailblazer rotor, interchangeable with other cutter types.
- Forestry head with pushing frame.
- Dish mower, cutter bar, loppers bar and stump grinder.

Earthmoving works

- Shovel, Dozer Blade.

Path Clearing & Winter Operations

- Brush, Snow Blade, Ploughshare and Snow Cutter.

Agricultural Processing

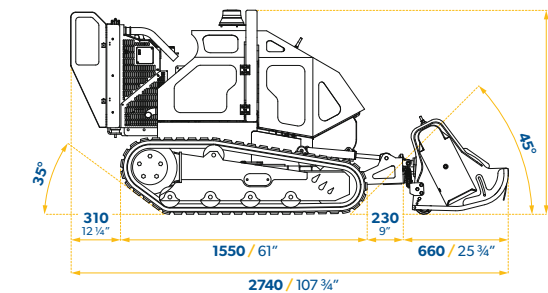
- Haymaking Bar, Rake, Atomizer, Sprayer, Olive Shaker and Forklift.

CUSTOMISATION OPTIONS AVAILABLE

A variety of options allow further customization. Examples include an extensible wagon with independent widening tracks; Remote Control System R-Eye; rear winch; front plate holder, the back attack for equipment or ballast and customised colours. Ask for more details.



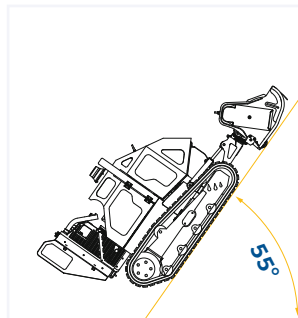
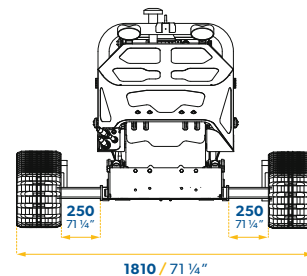
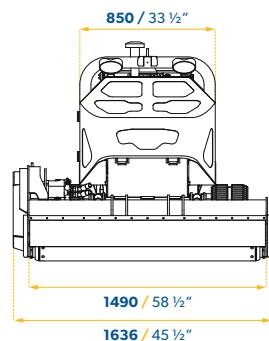
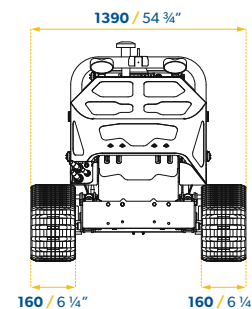
DIMENSIONS & WORKING ANGLES



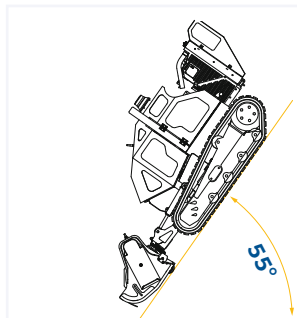
FLAILBOT STANDARD WEIGHTS

Flailbot with Oil & Fuel
1280 kg / 2822 lbs

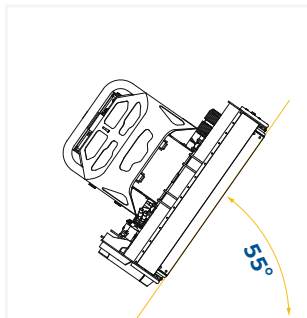
1500 Flail Head
225 kg / 496 lbs



55° MAX CLIMB ANGLE



55° MAX DESCENT ANGLE



55° MAX WORKING ANGLE

FEATURES & SPECIFICATION

● Features that come as standard — Not Available / Not Applicable

FLAILBOT		METRIC	IMPERIAL
Flailbot Vehicle			
Tracked vehicle with 10 wheels of which four toothed to step rollers	●	—	—
Patented system to prevent track loss	●	—	—
Automatic hydraulic tensioning of the tracks	●	—	—
4-Point attachment system for machine lifting	●	—	—
Roll-bar with high visibility LED headlights	●	—	—
Flashing LED	●	—	—
Underbody cladding to protect engine and systems	●	—	—
Quick front attachment system for changing tools	●	—	—
3-Cylinder 40 hp industrial diesel Perkins engine	●	—	—
Cleaning system for cooling radiators	●	—	—
Fuel tank	●	23 Litre	6 USG (Gallons)
Closed-circuit radial piston motors for forward movement	●	—	—
Locking track system onto motors	●	—	—
Closed-circuit piston motor on tool head	●	—	—
Variable-capacity closed-circuit piston pumps	●	—	—
Gear pump for services	●	—	—
Electro-hydraulic distributor for services	●	—	—
Electro-hydraulic distributor for tool head function	●	—	—
Cooling circuit with reversible fan	●	—	—
Hydraulic oil tank	●	50 Litre	13.2 USG (Gallons)
High strength steel cutting head	●	1500mm	59"
Motion transmission by multi-groove track	●	—	—
Support roller and side skids height adjustment	●	—	—
Cutting rotor with multi-purpose flails	●	—	—
Remote Control with Graphic Display			
Forward / Reverse speed	●	0 - 7 km/h	0 - 4.5 mph
0 to 100% variable forward movement speed control	●	—	—
Correction for forward movement direction (offset) on slopes	●	—	—
Track speed control display	●	—	—
Cable connection for radio control in case of emergency	●	—	—
Sonic and visual alarms for: Slope incline, system overheating, engine overheating, engine oil pressure, radio control range, driving control reverse.	●	—	—

The above features come as standard. There are some additional options available on request. Please contact us to discuss these further and any additional requirements or questions you may have about Flailbot.

Left: EASY TO LOAD AND UNLOAD AS WELL AS OPERATE

Flailbot can be operated by a single operator from a van or other suitable vehicle. Easily pulling up in a suitable layby or parking area to unload, mow and reload, leading to greater flexibility and productivity.



WANT TO KNOW MORE ABOUT THE FLAILBOT?

Scan the QR code to the left with a smart phone or tablet and compatible app to instantly view the page. Alternatively visit:
<http://www.bomford-turner.com/remote/flailbot/>



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