

PRODUCT GUIDE



CAMBRIAN
Chipper Hire

THE PROFESSIONALS' CHOICE

Innovative Engineering

We have a proud heritage of ground-breaking inventions

GreenMech has been creating industry standards for 20 years and constantly brings new ideas to wood chipper production. Our reputation for innovation goes back fifty years to when Tony Turner invented the world's first hydraulic flail mower in 1963.

From dialogue with customers and dealers, ideas are fed to our design and development team who then turn them into reality. The result of this collaboration has been a number of ground-breaking products that allow for safer, faster and less noisy operation.

From the development of quieter machines to the award-winning SAFE-Trak and the revolutionary Disc-Blade cutting system, all have ultimately added value to our customers.

The original SAFE-Trak extension system

In 1999, at the request of several customers, GreenMech produced the UK's first tracked wood chipper. At the time we thought the market would be small, but we were wrong, as significant UK and European sales followed.

Designed on a conventional track carrier - similar to that of mini excavators - we soon found out the limitations and frequently found ourselves stuck on top of tree stumps and unable to climb slopes due to either instability or restrictions with oil flows to the engine.

After further years of research and development, the SAFE-Trak was launched in 2002. This brand-new design broke the mould because it was the first chipper that was both tracked and narrow – increasing accessibility – but which could safely operate on slopes and embankments.

Since its introduction into the professional arb world, the SAFE-Trak has become one of the most popular models in the GreenMech range. A particular favourite with de-veg contractors who work to maintain highways, power lines and railway networks, the SAFE-Trak has the capacity to go virtually anywhere.

Its innovative patented track-extension system extends each track independently to give up to 550mm ground clearance, enabling it to access the most difficult terrain. By extending only one track, slopes up to 35° can be traversed in complete safety, allowing the chipper to be closer to the job in hand, saving both time and money.

One of the SAFE-Trak models has the option to have the rubber tracks fit neatly under the chipper body so that when fully retracted the SAFE-Trak's minimum width is only 740mm, allowing it to fit through a standard 760mm gateway.



Manufacturing Process

Choosing GreenMech means investing in British engineering and skills

Over the last two decades GreenMech has revolutionised the world of wood chippers with numerous innovations in design and technology. In order to do this we have consistently invested in the most up-to-date manufacturing processes to bring a superlative range of quality and value-for-money products to the chipper market.

From a CAD design system, through to the precision of a laser cutter and powder coat system, this investment has allowed our design and manufacturing team to put our customers' ideas into reality.

We are passionate about British engineering and proud to produce the vast majority of component parts at our manufacturing headquarters based in the Midlands. Through fabrication to assembly, from the discharge chute to the steel chassis, a GreenMech wood chipper is created supporting British jobs and British manufacturing.

We are proud of our growth and expansion over the last two decades, and are secure in the knowledge that we are one of the largest chipper manufacturers in Europe. Engineering has been the backbone of the Midlands' economy for more than a century and at GreenMech we are confident we will continue to play a part in its resurgence.



ISO9001 accreditation

GreenMech are proud to be an ISO9001-accredited company giving you the knowledge that the machines you buy are manufactured by a British company to a high-quality international standard.



Environmental credentials

GreenMech prides itself on engineering for a greener environment. Our wood chippers and shredders are designed to help keep as much green waste as possible out of landfill by turning woody waste into a useable asset. As a manufacturing company we are conscious of re-using as many resources as possible, so all our metal off-cuts, waste oil, cardboard and paper are recycled.

Standard Features List

GreenMech - Setting a new standard

Wide infeed chute

All models come with a large infeed chute for easy disposal of awkward bushy brush.



Outstanding Disc-Blade system**

As standard our professional wood chipper range comes fitted with our patented, Disc-Blade system which can give up to 120 hours chipping before re-sharpening and up to 900 hours before replacement.



No-Stress control and hydraulic feed rollers**

GreenMech offer either twin vertical or twin horizontal hydraulic feed rollers to powerfully crush woody material. These are governed by the advanced No-Stress control system, giving effective throughput management which helps prevent blockages.



Letterbox opening*

A letterbox throat enables heavily forked branches and brush to be easily processed, resulting in a significant reduction in the number of chainsaw cuts per day and making the job safer whilst saving you time and money.



Powerful engine

A varied choice of world-class engine makes such as Kubota, Briggs & Stratton, Yanmar and Honda, provides flexibility for each end-user to have a power source and fuel type that matches each application and budget.



Why it's good to Buy Quiet



Wood chippers are some of the noisiest machines working in the urban environment and because of this, GreenMech have long been at the forefront of the technological drive to engineer quieter machines. For several years we have also been keen supporters of the UK Health & Safety Executive's **Buy Quiet** campaign to highlight issues around noise-induced hearing loss in the workplace.

As a result of our ongoing mission, we have produced probably the quietest chippers on the market, achieved in part thanks to the Disc-Blades, the insulated steel chassis that protects the engine, and a novel means of extracting the hot air and exhaust heat from the acoustic engine housing via the chipper chamber.

All new products developed by GreenMech since 2006 have incorporated significant noise reduction features but the noise level on the latest Arborist range is 115dB offering a significant reduction on comparative models.

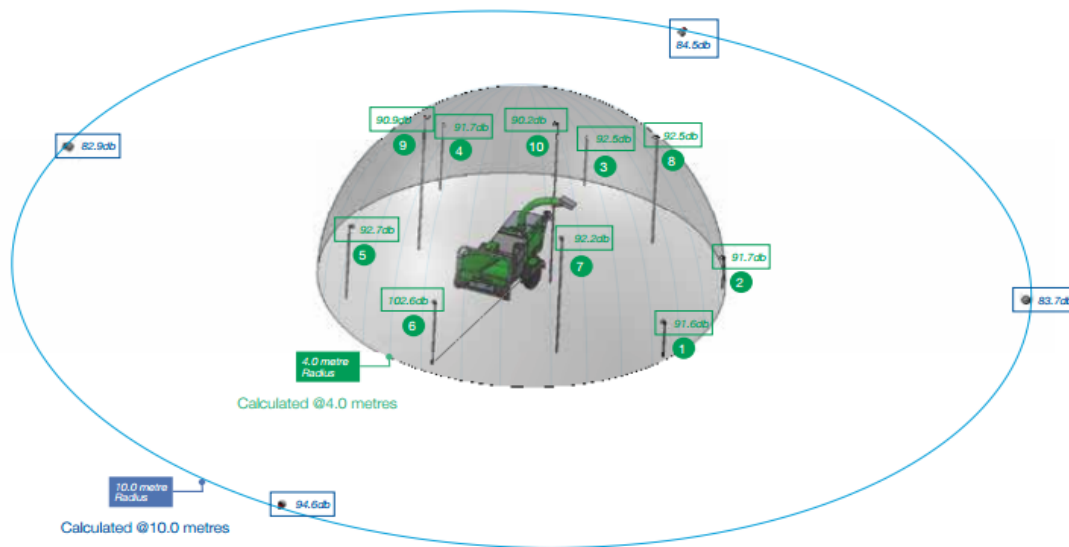
Tony says:

'Greentech will continue to implement design features that will lower noise emissions and ensure that correct and clear noise emission data is available in our sales and technical literature. We expect to achieve further reductions in the future.'

Wood chipper sound levels are required by EU safety standards

Sound measurements taken chipping 2.0m lengths of pine 8-10cm in diameter

10 microphones arranged in a sphere around an Arborist 150, measuring sound levels simultaneously, produced a total Sound Power of Lw(A) 115dB.



Noise is measured in decibels (dB)

0 dB is the quietest sound the human ear can detect
10 dB is a 10 times increase in sound energy
60 dB is a million times higher than 0 dB
Lw(A) dB is the total Sound Power in dB radiating from the source.

Note:
Every 3 dB reduction halves the Sound Power
Every 3 dB increase doubles the Sound Power

Worried about your hearing? For more information go to www.hse.gov.uk/noise/worried

Arborist 130

Key features

- 150mm chipping capacity
- 23hp Honda petrol engine
- Disc-Blade chipping technology
- Twin hydraulic feed rollers
- No-Stress power control
- 670kg weight



← Scan to watch me in action



150 230



Compact without compromise

The low cost entry point for a hydraulic chipper

The compact Arborist 130 is a simple-to-use and cost-effective road tow chipper designed in traditional in-line format. A member of the popular Arborist range, it has been specifically engineered for disposal of waste brush, as over the last few years an increase in the market for firewood means that useable wood is kept for log production.

With a 23hp Honda petrol engine, the Arborist 130 is value-engineered for quality, performance and economy. Fabricated with a deep-beam high tensile steel chassis construction for strength, the engine is protected by insulated steel panels giving robustness and lower noise emissions. These panels are designed to be easily removed, enabling good access for routine care and maintenance.

A generous 970mm x 790mm infeed hopper which aids bushy brush reduction, coupled with a 150cm x 230cm letterbox-style throat enables heavily forked branches to be fed in easily. This reduces the number of chainsaw cuts by hundreds per day, and thereby increases output.

The twin vertical hydraulic rollers efficiently crush the material with minimal lateral movement. The electronically controlled No-Stress feed system reverses the feed rollers to relieve the chipper blades, allowing the rotor speed to recover quickly, once again increasing output.

As standard the Arborist 130 comes fitted with our patented Disc-Blade system which gives up to 150 hours of chipping before requiring re-sharpening.



Arborist 150

Key features

- 150mm chipping capacity
- 26hp or 34hp Kubota diesel engine
- Disc-Blade chipping technology
- Twin hydraulic feed rollers
- No-Stress power control
- Sub 750kg weight



Scan to watch me in action



The everyday chipper that ticks all the boxes

Value-engineered for strength, performance and economy

The popular Arborist 150 is a simple-to-use and cost-effective road tow chipper designed in a traditional in-line format. Part of GreenMech's much-admired Arborist range, the Arborist 150 has been particularly designed for disposal of waste brush, as an increase in the market for firewood means that useable wood is kept for log production.

With a choice of either a 26hp or 34hp Kubota diesel engine, the Arborist 150 is value-engineered for quality, strength, performance and economy. Designed with a deep-beam high tensile steel chassis construction for strength, the Kubota engine is protected by insulated steel panels providing robustness and lower noise emissions. These panels are designed to be easily removable enabling good access for routine maintenance.

A generous 970mm x 790mm infeed hopper which aids bushy brush reduction, coupled with a 150mm x 230mm letterbox-style infeed throat opening enables heavily forked branches to be fed in easily. This has the effect of reducing the number of chainsaw cuts by hundreds per day and thereby increases output.

The twin vertical hydraulic rollers efficiently crush woody material with minimal lateral movement. The electronically controlled No-Stress feed system reverses the feed rollers to relieve the chipper blades, allowing the rotor speed to recover quickly, once again increasing output.

As standard, the Arborist 150 chipper comes fitted with our patented Disc-Blade system, giving up to 150 hours of chipping before requiring re-sharpening.



QuadChip 160

Great from any angle

Key features

- 160mm chipping capacity
- Full 360° turntable
- 34hp Kubota turbo diesel engine
- Disc-Blade chipping technology
- Twin hydraulic feed rollers
- No-Stress power control
- Sub 750kg towing weight



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The ultimate choice for roadside performance

The innovative QuadChip 160 is the ultimate road tow chipper with a 360° turntable allowing definitive positioning of infeed chute for convenient and safe loading at the kerb-side and in restricted spaces. Engineered with a world-renowned 34hp Kubota diesel engine and a high tensile steel chassis, you know that the QuadChip 160 has the power to tackle any task safely, efficiently and effectively.

The QuadChip 160 comes fitted as standard with the patented Disc-Blade system, which offers a simple maintenance process and increased time period between rotations, giving dramatic cost savings.

The high throughput of this machine is provided by powerful twin vertical feed rollers and a 160mm x 230mm letterbox infeed throat. This offers exceptional crushing capacity for awkward forked branches and fast processing of bushy, leafy brash. This road tow chipper comes with a discharge chute that rotates 280° and folds down for compact transport and storage.

GreenMech has long been at the forefront of a technological drive to engineer quieter machines and is a keen supporter of the HSE's Buy Quiet campaign to highlight issues around noise-induced hearing loss. As a result of this ongoing drive, at GreenMech we are proud to state we believe the QuadChip 160 is one of the quietest chippers in its class on the market today.

I love it!
It is loads quieter than comparable machines and quicker processing awkward branches too.
I don't know how I've managed without a turntable before now

Oliver Marks, Branch Off Tree Services, UK



Arborist 190

Generous chipping capacity at a modest price

Key features

- 190mm chipping capacity
- 45hp Kubota turbo diesel engine
- Disc-Blade chipping technology
- Twin hydraulic feed rollers
- No-Stress power control
- Top control bar
- 1260kg weight

Big brother to the established Arborist 150

The cost-effective and simple-to-use Arborist 190 is a traditional in-line format road tow chipper. It is built from deep beam high tensile steel to give a strong chassis construction. Part of GreenMech's much-admired Arborist range - all value-engineered for quality, strength, performance and economy - the Arborist 190 takes up where the Arborist 150 leaves off. A generous 1200mm x 840mm infeed hopper aids bushy brush reduction and leads to a generous 190mm x 280mm letterbox-style infeed throat opening.

Owing to an increase in the market for firewood, the Arborist 190 has been designed for rapid disposal of the waste brush stripped from useable wood destined for log production. Heavily forked branches can easily be fed in reducing the number of chainsaw cuts by hundreds per day and thereby increasing output.

The twin vertical hydraulic rollers, powered by a 45hp Kubota turbo diesel engine, efficiently crush woody material with minimal lateral movement. The engine is protected by insulated steel panels, easily removed for routine maintenance, to provide robustness as well as lower noise emissions.

The electronically controlled No-Stress feed system reverses the feed rollers to relieve the chipper blades, allowing the rotor speed to recover quickly - once again increasing output. As standard, this model comes fitted with our patented Disc-Blade system, giving up to 150 hours of chipping before requiring re-sharpening.



190 280



SAFE-Trak 19-28

For safe working across banks up to 35°

Key features

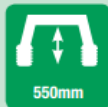
- 190mm chipping capacity
- 50hp Kubota diesel engine
- Disc-Blade chipping technology
- Twin hydraulic feed rollers
- No-Stress power control
- Patented SAFE-Trak system
- 2000kg weight



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SAFE Trak



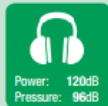
550mm



190 280



Disc



Power: 120dB
Pressure: 96dB



7" x 190mm



2000kg

The ultimate tracked chipper for highways and railway cuttings

The SAFE-Trak 19-28 is designed with GreenMech's award-winning patented track extension system, allowing massive ground clearance of up to 550mm enabling access across the most difficult terrain. This pioneering feature makes it a popular machine for de-veg contractors working on power line and railway track maintenance.

Also, by extending only one track at a time, embankments up to 35° can be traversed in complete safety, allowing the chipper to get to the material to be chipped. In addition, a twin pump system, delivering a flow of 90 litres per minute, gives swift tracking speeds of up to 6km per hour.

Fitted with a 50hp Kubota diesel engine and a 4 Disc-Bladed flywheel, the SAFE-Trak 19-28 is an impressive work-horse and comes with all the standard features expected of a GreenMech chipper. These include a 190mm x 280mm letterbox-style infeed throat and powerful twin hydraulic feed rollers that drag even the most awkward forked material effortlessly to the chipping system. In total, this gives the SAFE-Trak 19-28 a performance far in excess of a comparative chipper.

This ground-breaking machine is engineered with an all-electric control system including a reset button at the driving end of the machine for user comfort. For security, this can be hidden by the driving platform when the machine is not in use. This feature also allows for remote throttle control at the working end.

For additional user friendliness, GreenMech has included in the design a support leg to aid track belt replacement, a jerry can for emergency fuel and vibration isolation on the stand-on platform. This model also comes with the option of an electric winch.



Our guys love this machine!
It's very reliable and relentlessly tackles all tasks.

Yvonne Hayes, MD, Hayes Forestry Ltd, UK

CAMBRIAN

Chipper Hire

Cambrian Chipper Hire
Riverside Works
Ely Bridge
Cardiff
CF5 5XA

029 2056 9311

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www.cambrianchipperhire.co.uk