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loglogic™



AUTOTRACK



MOBILE WIDE BAND SAW



British designed and built, the **Loglogic Autotrek Mobile Sawmill** is one of the largest capacity mobile sawmills of its type. Using wide-band saw technology with 101mm [4"] wide stellite tipped saws (remains sharper in abrasive timbers) to allow all timbers (including Greenheart) to be cut accurately and efficiently up to 1000mm wide.

The saw head is hydrostatically powered, one of the safest



forms of power for any mobile sawmill. This can start or stop the saw blade in less than five seconds. It is well known that the majority of accidents happen while moving timber in the proximity of a live blade. Besides the safety benefits, direct hydrostatic drive has become more flexible than ever for mobile and portable equipment. The **Autotrek** has been proven on some of the most demanding projects, with contractors and the British Army using the **Autotrek** throughout the world. Operating in temperatures up to + 40c in Africa & South America down to -20c in Russia.

The **Autotrek** is fitted as standard with the 'Boardset' digital measuring system, which measures both board thickness and absolute height from the log decks at both ends of the mill. This allows boards to be cut accurately and even measures tapered boards if required. On each saw-cut the 'Boardset' system resets the board thickness deducting the blade kerf automatically.



Timber weighing up to 4 tons can be loaded onto the mill using the heavy-duty log loading forks. The integral hydraulic jacks ensures stability with even the largest logs. The log loading forks are also very useful for stacking cut boards before offloading or re-stacking on the mill for re-sawing. The forks are quickly folded for transport to minimise travel width.



The **Autotrek** log rolling system enables the operator to position the log on the mill, using the hydraulically powered rollers, or, by adjusting the roller height, allow for taper of the log.

The log turning system allows even the largest logs to be manoeuvred into position before sawing, and can also be used as an additional clamp when cutting oversize logs.



Logs are clamped against the fully adjustable squaring arms, using the log dogging system. The dogging clamp can be hydraulically adjusted both vertically and laterally allowing both large logs and cut timber to be clamped securely.

The 65hp turbo diesel power pack, fitted as integral unit on the **Autotrek**, provides all the power requirements of this fully mechanised sawmill system. With the power pack sited over seven metres away from the operating station, this minimises noise and emissions exposure for the operator. The engine is fitted with an automatic shutdown system to prevent damage to the engine due to low oil pressure, overheating or fan belt breakage. The powerful engine means that is never over stressed and maintains blade speed even when cutting hardwoods to it's full capacity.

The mobile **Autotrek** is fitted as standard with heavy duty, twin axles with Land Rover wheels and tyres, auto-reversing brakes, full road lighting and spare wheel and has full European Type Approval for road going trailers. At an all up weight fo pproximately 2650 kg the



Autotrek can be readily towed behind 4wd vehicles with a suitable towing capacity. With a setting up time of around 15 minutes the saw is ready for production quicker than many other mobile sawmills of this size.

Cutting capacity

Maximum overall log diameter	1.32 m
Maximum log length.....	6.5 m
Maximum cutting depth related to board width.	
• 980mm wide	110 mm
• 850mm wide	250 mm
• 520mm wide	300 mm
Minimum length	1.2 m
Minimum cutting height from log deck	25 mm

Saw Head technical data

Pulley diameter	560 mm
Pulley width	90 mm
Blade length.....	5.0 m
Max blade width	101 mm
Min blade width.....	76 mm
Blade speed	36.6 m/s
Max power rating	29 kw
Blade kerf	1.8 mm
Pulley Speed	1250 rpm

Engine

Lombardini water-cooled 4 cylinder Turbo diesel.	
Power (2204T)	48 kw (65hp)

Capacities etc.

Fuel tank capacity	45 l
Hydraulic oil	90 l
Operational height at maximum cutting depth	2.6 m
Towing height	2.0 m
Operating width (head in operational position)	2.3 m
Towing width	2.1 m
Weight (6.5m)	2650 kg





The Loglogic Saw Blade Range

Loglogic recommend wide band saws for their proven performance, cutting speed and economy. Autotrek is one of the few mobile sawmills capable of taking these high performance blades.

A choice of blades is available to cover most timbers encountered from temperate hardwoods to European, African and South American hardwoods

The Autotrek features an innovative rotary stainless steel pressure guide to deflect the blade downwards. This provides a path for the blade between the pressure guide rollers this well proven design allows the Autotrek to use smaller diameter pulleys. The 16mm deflection stiffens the leading edge of the blade and when under tough cutting conditions retaining the blade tension. This system gives a very output combined with a constant cutting accuracy. The Autotrek system provides a noticeable performance gain over other mobile saw milling systems with very low maintenance.

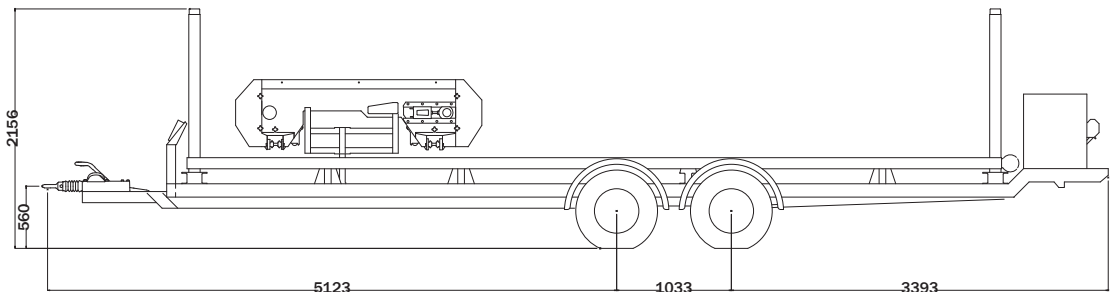
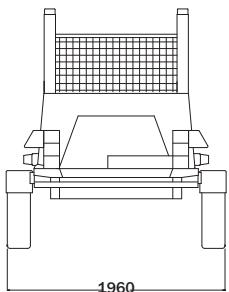


Cutting Performance

A typical feed rate in European oak.

Board Width 1 meter = 2.5/3 meters per minute

Board Width 500mm = 5.5/7 meters per minute



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