

CHIP 'N' SHRED

The huge range of chippers and shredders available today ensures that whether you need to create biofuel, chips for playgrounds, drainage or bedding, or just want to reduce the volume of wood waste, there is the right machine on the market for you.

Affordable Logsplitters

Affordable Logsplitters have been appointed as distributors for the Pezzolato range of woodchippers. The company, which has been trading for five years, has secured the distributorship for Scotland and Northern Ireland.

The Pezzolato models range from the smallest 4" semi-professional PZ110 to massive drum chippers for the clearance contractor.

The entry level PZ110 is powered by either a 12hp diesel or a 13hp Honda petrol engine.

The PZ140/150/190 models with the respective capacities of 5½", 6" and 7" are designed for tree surgeons requiring a tough chipper that is easy to manoeuvre. A range of engines is offered up to 50hp.

The PZ210 has a capacity of 8" and weighs under a tonne.

Top of the range is the PZ225, a 9" capacity machine, with a double axle road chassis, and engine options from 80 to 108hp.

The company also offers a range of woodchippers designed for the cost effective provision of fuel to the biomass industry. There are three models in the range with capacities of between 8" and 12". The model that has drawn the most interest is

the H880/250. Able to process 10" material and achieve a throughput of between 30 and 40 cubic metres an hour, this unit can be easily operated by one man crane feeding material from a remote position.

In order to support the wide range of Pezzolato machinery that the company offers, a programme of dedicated factory training has been put into place. Affordable Logsplitters is keen to provide full service backup and expect to be able to supply any part within a 24 hour period, stocking a significant number of parts themselves, with the Pezzolato factory on close call.

A full support service is offered for all Pezzolato machines in Scotland and Northern Ireland. Existing owners are invited to contact the company and register their machines

Affordable Logsplitters
0800 0151 078

AT Osborne

AT Osborne are the agents for TP woodchippers. TP offers a range of chippers for various applications ranging from the TP100, available with three-point-linkage or trolley mounted engine, through to the larger crane fed models, the TP 270 and 280. Middle of the range are the TP 150, 200 and 250, three-



The Arborist 19-28 from GreenMech being put through its paces.

point linkage or trailer mounted. Features include built-in air-cooled hydraulic pump, horizontal feed rollers, 90° chipping angle and flexible ejector spout. A large range of further equipment is also available.

The top end of the range models include the TP 230, 270, 280, which are PTO driven with vertical feed rollers, adjustable feed roller speed and a 30/45° chipping angle. Further features include a massive rotor disc and sliver breaker system. Again a large range of extra equipment is available.

AT Osborne 02380 814340

Blue Machinery PLC

The company offers its customers a variety of machines including shredders and wood chippers designed specifically for the timber market. Doppstadt shredders and chippers are specifically aimed at the green and wood waste processing market. The comprehensive range offers a whole series of powerful shredding machines for waste wood, pallets, tree-trunks, roots, green waste, and domestic waste materials. After sales product support is taken care of by Blue Machinery's sister company, Spares UK, which promises a 24/7 service and the speedy supply of spare parts.

Blue Machinery 0845 230 4460.

Chippers International

This company are the UK and Eire suppliers for the extensive range of Gandini woodchippers. All machines are supplied with a choice of tractor or self power, with machine or manual loading. With infeed capacity of 150mm to 450mm, all the brushwood type machines have the standard horizontal twin feed roller system, and the larger infeed capacity units are equipped with vertical feed rollers. This design allows material to be presented to the flywheel at an angle of 30° which greatly reduces power requirements and increases blade life. No-stress

feed monitoring device and rotating turntable are standard fittings. Most machines have a 3 bladed flywheel, but larger units feature 4 blades, which are doubled edged and mounted on twin axles for additional stability when towing.

The Biomatch shredding machines operate on the hammer mill principle, which will process all types of vegetative waste, even if contaminated with nails, wire, or stones. Hammer life is longer than chipper blades, being at least 500 hours with no maintenance. The smallest manually loaded shredders have power requirement of 30hp with infeed capacity of 150mm x 250mm and are equipped with 10 x 2kg hammers. The finely shredded end product is discharged through a chute similar to a chipper. Larger machine loaded shredders give a high output producing an end product for composting or general volume reduction. Power requirement is a minimum of 100hp, again with the choice of tractor or self-power. Various options are available such as discharge elevators, self-propulsion and remote control.

Chippers International
01789 414871

Farmi Forest

Farmi have been developing and manufacturing forestry machinery since 1962 and the new generation of Farmi PTO chippers are the result of long term product development. They are particularly suitable for energy chip production as the chip size is variable from 7 to 25mm and is of excellent quality as chipping takes place in three stages. Angled feeding reduces the power requirement.

The latest CH260 can be fed by crane or manually. The CH160HF is a robustly built medium size chipper for tractors of 35-50hp. The low cost CH140F is suitable for use with any compact tractor or as



The Heizhack HM 400 drum chipper is supplied by Fuelwood.

an attachment for Bobcat or other compact loaders. Farmi chippers can also be used for shredding recycling paper, cardboard and plastics. They are available in Ireland from M Large Tree Services and in mainland Britain from Corwen Forestry.

Corwen Forestry 01490 412146

M Large 028 90 342838

Fuelwood (Warwick)

Laimet chippers incorporate a unique and patented system of auger feed where the auger carries out the chipping process. The system is simple and relatively quiet in operation. The chip size can be varied by changing the pitch of the auger helix (also known as spiral blade or conical screw blade), turning waste into product, be it for chip heating systems, bedding in horse exercise areas, play areas and walkways, cattle bedding or for drainage applications.

The smallest unit in the Laimet range is the HP21 model, with a capacity of 17cm and ideally requiring 100hp to run, although it can be operated on lower power outputs. The power requirement is high but so is the output, say Fuelwood.

The HP25 model is a crane fed machine with a capacity of 23cm and a potential output of up to 120 cubic metres an hour.

The model HP35 requires independent drive of 270hp and has a capacity of 28cm.

The largest machine, the HP50, has a capacity of 50cm and requires a minimum of 680hp driving power and is ideal for on site chipping operations. Various drive options are available, together with models for chipping sawmill waste.

Laimet have developed a self-contained unit with a large silo and vibrating conveyor linked to the HP25 chipper, primarily for sawmill waste. It is driven by tractor and requires 160hp. For small woodland and estate work Laimet offer the

PS10 with a capacity of 10cm and requiring 30hp. The chip size on this machine is fixed at 10-15mm.

Fuelwood also supply Heizohack drum chippers, which produce a controlled chip size. They feature a large in-feed conveyor and the capacity to work with low powered tractors. Their screens regulate the chip size, making the chips ideal for auger fed chip-heating systems, and can be changed to suit specification very quickly. Any chips that don't pass through the screen are automatically recycled within the chipper. The wide feed openings suit arborists and sawmill waste operators. The small blades of the chipping drum can be sharpened *in-situ* or quickly exchanged. A stress control system allows the chippers to be driven from tractors of varying power ratings.

The smallest machine, the HM4-300, has a capacity of 30cm (12") and is available with three opening widths with 4, 5 and 6 cutters respectively.

The 400 range starts with a capacity of 450mm in the 5 cutter model, ranging up to a 10 cutter model.

There are also crane fed models with remotely operated long feed intakes and hydraulically controlled output chutes. These models also have extra cutters and wider feeds. A two-wheeled chassis is available as an option for the 300 range for tractor towing. Because of the weight of the 400 range it is recommended they are all chassis mounted.

Homegrown Timber Limited of Horsham, specialists in timber and vegetation clearance, operate the top of the range HM14-800-K, and with their specialist knowledge they act as the agent for this machine.

Fuelwood 01926 484673

GreenMech

GreenMech introduced two new chippers last year: the Eco 150

Arborist (15-23) with a 6" by 9" infeed, and the Arborist 19-28, which was launched at Saltex.

The Arborist 19-28 has a 19cm x 28cm (7½ x 11 inch) feed entry with a 50hp water-cooled diesel engine and four disc-blades. The 19-28 is equipped with the latest combined no-stress and engine controller, together with full road lighting and brakes, plus a storage flap on the infeed chute. Its slightly lower infeed hopper – at 580mm (23") – takes it into the HSE's B category for a 'top and side' safety bar, eliminating the need for the loathed bottom bar that causes so many nuisance roller stops.

GreenMech 01789 400044

Landforce

Landforce has seen many changes over the past few years, and Richard Morss, the managing director of the company, is keen to ensure that his products continue to build on the foundations already laid down.

Landforce machines now range from 165 mm (6" inch) capacity chippers to 235 mm (9 inch) models, which have the ability to shred and chip material, an option that has proved popular with local councils.

Richard Morss said, "I am looking forward to being able to offer the market a range of machines that will perform as well as any competitors', concentrating on productivity, quality and reliability. Landforce products will always focus on health and safety to protect our customers. The machines still use the Deutz engine which gives very good power to the flywheel, 40hp on the 6" inch machine."

Richard says he is confident that the machines on demo at the forthcoming ATF and Saltex shows will show that Landforce is certainly a force to be reckoned within the arboricultural machine market.

Landforce 01476 515408

Liston Equipment

Liston Equipment supplies American built Carlton chippers and shredders. The company supplies two models of chipper: the 12" machine, which was launched in 2003 in the USA, and the 1790, a 9" chipper launched last summer. The 1790 will make its UK debut at some of the exhibitions in 2005, but the first 1790 is already on its way to the UK – ordered by a Carlton stump grinder user.

The chipper has an 80hp Kubota diesel engine coupled to a heavy-duty clutch. Other features are: a one inch thick chipper disc, AR400 anvil, 10" x 17" infeed rollers with 'Auto feed plus', a feed-roller top lift system and adjustable feed rates. The estimated UK price will be £19,500.

Liston Equipment 01273 891890

OBMtec

American company Morbark claims to be the largest producer of wood processing machinery in the world. The European representative is OBMtec BV in the Netherlands, who recently set up a division in the UK which is led by Richard Smith.

Morbark produces a very wide variety of chippers, from modest pto driven machines, right up to whole tree chippers, with infeed opening of 52" x 33"! They also produce stationary machines for use in sawmills.

OBMtec UK 07841 530713

Timberwolf

2005 has started very well at Timberwolf with new links made with some of the UK's top hire and utility management companies and record production levels to meet the demand from the dealerships. New for 2005 will be the revised versions of the TW150TR 6" tracked machine. Four versions will now be available, with prices starting from £15,995 plus VAT.

Timberwolf has put new proce-



(Left) Carlton's 9 inch 1790 which was launched last year. (Right) The Vermeer BC1400XL from B-Trac has an in-feed opening of 15" x 20".



The crane-fed Laimet HP25 is supplied by Fuelwood.

dures in place to record and list all comments from their customers to ensure a professional service at all times. Timberwolf will be exhibiting at shows throughout the country. For a list of these events and for information on all Timberwolf products please call the number below.

Timberwolf 01449 765806.

Vermeer

UK and Ireland distributor B-Trac Equipment supplies Vermeer chipper ranging from 6" infeed up to a 22". They report growing interest in models such as the BC1400, BC1800, the BC1000 and the new BC2000XL.

The largest chipper in the range is the 22" capacity BC2000XL. The drum style chipper has a choice of three engine options – 200hp, 225hp and 250hp, making it an ideal choice for landscapers and arborists looking to take on larger projects. Lifting heavy loads into the chipper is made easy with an optional heavy-duty loader capable of lifting up to 1360kg and rotating 220 degrees around the machine. The loader is controlled by two joysticks, located at the protected control station, which swings out at a 45 degree angle to improve visibility of the in-feed area. The machine features a Smart-Feed system, which senses feed roller jams or material bridging conditions and automatically cycles the material back and forth until the material is repositioned, thus reducing manipulation of the manual top feed control bar and saving the operator time.

"The BC2000XL's large output and size and quality of the chip produced is generating lots of interest from end users," said Martin Wright, Managing Director of B-Trac Equipment. The unit is also available on tracks for users working in more difficult conditions.

B-Trac 01933 274400

Westcon Equipment

Westcon Equipment are agents for the German built Jenz chippers in the UK. Jenz specialise in large bio-fuel chippers which are widely used in Europe. Westcon anticipates a growing market for these machines in the UK and has just delivered two new models. The first was a 450hp HEM 700 model for George Duncan Groundworks in Surrey. This model is capable of producing 150 cubic metres of chip an hour and is currently supplying Slough power station. The second machine is an HEM 560 pto chipper complete with crane which is operating behind a Fendt 930 tractor belonging to a Yorkshire based contractor.

Westcon director Neil Bond said, "Both of our customers are very pleased with the performance of the machines, but more importantly, their customers like the quality of the chips and are willing to pay good prices for consistent chip quality."

"The machines have a high build quality, often being double the weight of similarly specified machines. Chipping logs up to a metre in diameter is hard on machines, and ultimately the heavier build will lead to greater reliability, lower maintenance costs, less down time and higher resale value. Apart from that, the high capacity, and consistent chip quality through the use of a sizing screen, create a good income for the operator."

For the last 13 years Westcon have been selling Jenz shredders, but as the market for large chippers grows, the company believes that the Jenz chippers are now set to make a large impact. As Neil Bond explained, "A range of three pto chippers and four self-powered chippers, including 600hp models, means we have a chipper to suit most customers' requirements."

Westcon 01202 880380



Morbark Model 30/36 whole tree chipper from OBMtec UK

Wilkie Recycling

Wilkie Recycling supply Premier wood chippers by Schliesing. They were first introduced to the UK in 1988, and the company claims that despite a general trend to reduce the weight and keep prices low, Schliesing has stayed loyal to their background of being blacksmiths and agricultural engineers. "The machines have actually become heavier since I first met Hans Schliesing all those years ago," said Jim Wilkie, "but all that metal makes them so robust. The machines are still all built by hand and that helps to ensure the quality."

While the majority of tree surgeons are looking for 6" capacity machines, contractors on railway work seem to want larger machines with grab loading capability. "Over the last few years, our 10" diameter capacity 550 series has increased in popularity," said Jim Wilkie, "while the 880 series, with a 13" capacity, is also becoming accepted."

These are the largest models in the range and Schliesing have just announced some improvements. The 550 models now have a stated diameter capacity of 11" and the 550ZX-C model has been introduced. This is built on a single axle chassis with a 40km/hr (25mph) road speed and a hydraulic front support. The universal mounting plate allows a crane to be fitted and the chip discharge/deflector is hydraulically operated. Air brakes can be fitted if required and a radio remote control facility is available.

As the standard 880ZX weighs some 2950kg, it takes considerable lift capacity. However, it is now available on either a 40 or an 80km/hr chassis, with air brakes and a forestry crane as optional extras.

Three sets of the patented 'Whisper Cut' V-blades are used in the 880 and the chipping disc thickness has been increased from 45 to 50mm.

Wilkie Recycling 0118 981 6588



The new 550ZX from Schliesing, supplied by Wilkie Recycling.