

# NEW PRODUCTS

## WARM AS TOAST

HotWired is a new range of comfortable heated clothing for the grounds care professional. The range comprises socks, mittens, overtrousers and working jacket using heating pads sewn into the lining of each garment to provide a soothing warmth just moments after plugging in.

Instead of a single wire running through the garment, there are over 250cm of heated wire in each heating pad, which are strategically placed throughout each garment. Instead of hot spots or cold spots, warmth is evenly distributed throughout. The result is a warm, comfortable ride in even cold, windy, and damp weather. Just plug into a 12-volt power source.

The jacket and trousers are made from 100% nylon with a urethane coating on the inside together with sealed seams. The result is a virtually windproof and highly water resistant garment that keeps the cold and wet out and the heat in.

The mittens are exceptionally light and strong and made from the same nylon material with a waterproof and breathable insert providing exceptional protection from water and wind. The mitten heats the entire length of each finger as well as the back of the hand. They plug into the sleeve plug of the jacket or can be worn by themselves with a purpose-designed harness.

The socks heat from the top of the foot all the way down to the bottom of the toes, surrounding the entire foot with warmth. Similar to the gloves they plug into a socket in the trouser leg or can be worn by themselves with a special harness.

For further information Tel: 01473 270000



## A CUT ABOVE

STIHL launched two new brushcutters, the FS 100 and FS 100 R brushcutters. Employing the new mixture-lubricated 4-MIX engine, the new STIHL brushcutters combine the benefits of two-stroke and four-stroke engines in one, driving high torque and powerful performance through these versatile machines with optimum eco-properties.

On steep slopes and uneven ground the new STIHL FS 100 and FS 100 R brushcutters, cut through long grass, strong weeds and tough scrub. With their powerful performance, operating convenience and environmental compatibility, the new models sit at the top SS of STIHL's light brushcutter range. The machines owe their performance and optimum eco-properties to the newly developed STIHL 4-MIX engine. Unlike a conventional four-stroke engine, the STIHL 4-MIX is fuelled with a mixture of petrol and oil. No need for a separate oil tank, oil pump and oil filter; no need to check oil levels, change or dispose of the oil.

STIHL 4-MIX brushcutters are particularly eco-friendly. The efficient flow of combustion and exhaust gases, thanks to valve control in the 4-MIX engine, eliminates scavenging losses and significantly reduces emission levels; and the new machines already meet the emission ceilings which will apply in the USA from 2005 and in Europe from 2007. They are equally beneficial where noise is concerned. Running on the four-stroke principle, the 4-MIX engine noise is in a lower frequency range than a conventional two-stroke and thus perceived as more pleasant by the human ear.

For further information Tel: 01276 20202.

## HONEY I SHRUNK THE ...

JCB is developing a new Groundcare division, building on the already very successful licensing business that has seen the JCB brand extend into leisure, work wear, safety wear, power tools and garden machinery.

JCB Groundcare will market part of the current product range including the Micro Excavator and Dumpster to specialist Groundcare users and will develop its own range of Groundcare machinery. The JCB Groundcare range will continue to uphold the JCB name for performance, value and reliability.

Marketed through a network of specialist, professionally trained, factory backed dealers.

The smallest machines JCB has ever manufactured were shown at Saltex as the company geared up to grab a slice of a growing market.

As part of its Groundcare division JCB is offering two micro excavators - the JCB Micro and Micro Plus - weighing in at 1,063kg and 1,237kg respectively.

JCB is the first major manufacturer outside of Japan to produce micro excavators and their introduction opens up new markets for the company. The JCB Micro and JCB Micro Plus will be the first micro excavators to be designed to effectively power a breaker. By using high strength componentry from the JCB 8015 mini excavator. JCB HM60 can be used on the Micro and Micro Plus.

JCB Groundcare also brought another miniature machine to Saltex 2003.

JCB is planning to increase its range with the addition of a smaller backhoe.

The machine - which weighs in at 1480kg - will feature:

- A 20hp diesel engine
- A centremount backhoe with a dig depth of 2.54m, 180° slew angle. 1.98m loader
- Single lever loader controls
- JCB Plus excavator controls
- 2 wheel drive single speed hydrostatic transmission
- Maximum shovel height of 2.18m
- Shovel capacity of 0.23 cu metres
- An excavator loader height of 1,96m
- 300mm std. bucket width

For further information Tel: 01889 590312



# NEW PRODUCTS

## ON YOUR BIKE

Making its debut at Saltex was a new all terrain mower from Etesia - the Attila A180. This latest machine, which is unique in the European market, provides commercial end users with an efficient mower for use on areas such as motorway and river banks; industrial estates; or grassed areas around reservoirs. On sites like these, the safe use of grass cutting machinery on banks is an important Health and Safety issue.

With the launch of this new mower, Etesia have addressed the problem. Depending on ground conditions, Attila A180 can be used on slopes up to 27 degrees. The special feature of this mower is its hydraulic automatic self-leveling system which ensures that the operator, engine and controls are always in the vertical position, while the floating cutting units follow the terrain's contours. This provides total comfort and safety for the user during bank work. In addition, there is a fully adjustable suspension seat with armrests and seat belt, together with a Roll Over Protection System. For added safety, an alarm buzzer sounds when the machine is nearing the 27 degree limit.

Attila A180's 71" (180cm) cutting width comes from two 36" (91.5cm) fully wheeled rotary decks with double acting rams on castor wheels. These rear-discharge cutting units adjust independently to all angles to provide an even finish when mowing in ditches, over crowns and hillocks and on uneven terrain. Hydraulic drive allows them to mow in any position.

Beneath the reinforced steel decks, the cutterbar has swing tips, which can be fixed for use on shorter grass. Concentric design of the cutting units creates a 3cm overlap which ensures that no central band of grass is left uncut.

Designed to cope with a wide variety of grass conditions, Attila A180 has a powerful 3-cylinder 30hp Yanmar liquid cooled diesel engine. The machine is highly manoeuvrable, with easy-to-use hydrostatic drive, power steering and good all-round visibility. This, added to the fact that when in operating mode the central "bike" remains in the vertical position, puts the user in full control, especially in difficult working conditions.

For further information Tel: 01926 403319.



## ORGANIC SUPPLEMENT

Scotts launched a new organic turf supplement at Saltex that enhances sward health and vigour through stimulating soil microbial activity. New Greenmaster Blade is an advanced combination of carbohydrate and seaweed technology which, over a series of independent trials, has resulted in increased turf density and vigour and greatly enhanced disease resistance.

The key benefit of including Greenmaster Blade within an overall turf maintenance programme is the impact on root development. During trials, users reported improved rooting to depths of seven to ten inches. The turf is therefore able to take up nutrients and water more efficiently, resulting in accelerated top growth and sward density.

In practical terms, this means that the turf is harder wearing and resilient, better able to resist the effects of drought and disease and shows improved colour.

Greenmaster Blade works indirectly. Instead of feeding the turf, the carbohydrate and seaweed spray feeds and stimulates the beneficial micro-organisms in the soil surface. Modern turf management often results in a near sterile environment in the

upper inches of the soil, starving the micro flora and fauna and preventing the natural recycling of organic matter into plant nutrients. This has contributed to the increasing problems turf managers experience with thatch build up and conditions such as black layer.

Greenmaster Blade provides an energy source to reinvigorate the activity of these organisms. The result is an acceleration of natural composting - breaking down thatch and black layer, improving air and water flow into the soil and continually releasing new plant nutrients to the turf roots.

This stimulation also benefits turf disease resistance by enhancing the activity of beneficial mycorrhizal fungi in the rootzone. These fungi develop on the outer root surface and work in co-operation with the grass plant, helping in the transfer of nutrients, protecting against disease ingress and also supplying vital vitamins and amino acids.

Greenmaster Blade is an easy to use liquid spray, supplied in returnable containers, and is now available through the Scotts distributor network.

For further information Tel: 01473 830492

## GRADEN ZERO TURN MOWER

2003 will see the launch of the exceptional 'Diesel' Graden Zero Turn mower by Turfmasters. This fast and highly manoeuvrable ride on mower is powered by a 26hp Yanmar Diesel engine, or a 34hp Kubota, and is ideal for cutting cleanly and quickly through tight, restricted areas. The Zero-Turn mower has a forward top speed of over 15kph, and as the rear wheels are independently controlled, this gives a turning radius of ZERO giving the operator full control for manoeuvring in any situation. There are 2 cutting widths available, 62" and 72" with an option of side or rear discharge.

For further information Tel: 01577 863864



## IT SUCKS

Making its first appearance at IOG Saltex was a 2.5m (8ft 2y 2in) wide suction pick-up head for Turfmach's TM5 high-tip vacuum collector.

The development of the 2.5m suction head was prompted primarily by demand from turf growers needing to collect and remove grass clippings quickly from newly-mown turf. Apart from the cosmetic factor, leaving the clippings in place, especially during periods of warm, damp weather, can lead to potential disease problems and unsightly yellowing of the valuable grass beneath.

Fully height-adjustable, the new 2.5m suction head is equipped with a full-width powered debris-loosening brush, of similar design to its narrower stablemate. The combination of agitation brush and powerful suction makes the TM5 ideal for the collection of leaves, litter, grass clippings and other light, loose, damp or dry debris from turf or hard surfaces.

All material picked-up by the head passes through the TM5's impellor before being blown forcefully into the machine's five cu metre capacity hopper. High-tip emptying of the hopper is achieved hydraulically from the tractor driver's seat at a discharge height of 2.35m (7ft 9in), sufficient to clear most high-sided vehicles, skips and refuse containers.

Price of the vacuum collector complete with the wider 2.5m suction pick-up head is £17,330.

For further information Tel: 01889 271503

# NEW PRODUCTS

## NEW PRODUCT LINE FROM B&S

Briggs & Stratton is re-positioning its Power Product line. The product quality by which the company has become renowned is now being extended to end-user products for the very first time. All the petrol-powered products are exclusively equipped with Briggs & Stratton engines.

Briggs & Stratton will position these end products, targeted with their core line of generators, at distinctive market groups, ranging from consumer use to the demanding commercial sector.

The product line is established based on usage and audience requirements includes:

**ProClassic:** High performance, value for money, generators for use at home or by professionals; They are maintenance-friendly and powered by quick start Intek 1/C OHV engines.

**ProPlus:** These Synchronous generators designed for maximum performance and endurance and are powered by commercial Vanguard engines. They are suitable for any number of professional applications.

**ProMax:** The ProMax line of generators provides the performance and endurance benefits of the ProPlus line plus long run fuel tanks and accessories for demanding professionals.

**ProSilent:** This innovative line presents generators to be used in places where the neighbour is better left undisturbed: such as camping, catering or near home. They are powered by Vanguard commercial engines for maximum durability and can run for hours without refuelling.

**ProDiesel:** Powered by diesel engines and suitable for professionals, these generators are designed for durability and low operating cost.

**Pro Weld:** For use by consumers or professionals alike, these AC and DC generator-welders are designed for performance, durability and long run time. They come equipped with Vanguard commercial engines.

**ProWash:** These high performance pressure washers powered by Vanguard commercial engines, are suitable for the most demanding consumer and or professional needs.

**Pumps:** Briggs & Stratton's 2 and 3 inch high capacity water pumps are powered by Intek 1/C engines, providing high power to pump water in most conditions. These are suitable for both consumer and professional use.

For further information Tel: 01708335600

## BIG DEAL

David Jenkins Turfcare Equipment has received a substantial order worth in excess of £400,000 from The England and Wales Cricket Board (ECB).

The ECB and Channel 4 will purchase 45 trailer-based turf management systems from David Jenkins having first seen the system at Saltex

David was first approached by Bruce Cruse, ECB Facilities Development Manager last year.

Cruse has been working with a group of 45 County Pitch Advisors for over two years with an objective to create a national network of specialist groundsmen who could assist in the improvement of recreational pitches throughout the country.

Bruce identified that each Adviser needed their own set of equipment to conduct Seminars, Training Programmes and assist with rectification work and realised that the David Jenkins Turfcare Trailer System could be adapted to suit his project perfectly.



## FULLY GEAR UP TO THE HIGH-TECH ERA

Grinding specialists Bernhard and Company has fitted a NEW colour graphical touch-screen to the top of the range Express Dual 3000DX.

Giving improved functionality, a series of coloured icons replace the normal panel with a selection of buttons.

"Operators will find the animated instructions simple to follow," said Managing Director Stephen Bernhard.

"Our philosophy is not to make constant changes just for the sake of it, but only in the interests of end-users.

"We learn most from greenkeepers hosting tournaments and incorporate their constructive comments into upgrades," he said.

"With our Express Dual grinders being used world-wide this new screen means operational instructions can be understood universally."

Just touching the screen to make things happen - at the start of the grinding process, to load the mower on to the grinder, the clear animation displays a picture of a mower on a lift table which moves up.

For further information Tel: 01788 811600.

## STUCK ON YOU

Mag Knife is a revolutionary new system for attaching the bottom blade to a greens or fairway cylinder mower and will inevitably change the face of mower maintenance in the future. Exclusively available from Ransomes Jacobsen, this new system uses powerful magnets with a force exceeding 19kgm together with special locating dowels, to position the bottom blade firmly.

With no screws to remove, the time required to replace worn or damaged bottom blades is reduced from hours to minutes with this new patented technology.

Traditionally, the bottom blade is held in position by up to 18 retaining screws which, as any golf greenkeeper or maintenance technician will confirm, are notoriously difficult to remove, particularly on older machines. When a new bottom blade is fitted using the traditional system, tightening the screws distorts the blade, which then has to be ground true.

Using location dowels and a series of extremely powerful natural magnets MagKnife, the screwless bottom blade, is held firmly in position on the backing plate by a uniform pressure along its full length, eliminating the tedious and time consuming need to grind true using the 'old' system.

During extensive laboratory and field tests in the US, a surprising benefit of the new design was discovered. Fairly substantial objects such as broken tees, twigs, small pebbles, discarded spikes and even coins passed between the cutting cylinder blades and the bottom blade without damage to either during the extensive testing period.

The magnets, with their powerful field, provide enough strength to hold the bottom blade securely to the frame, but allow it to 'give' when an object is encountered, allowing it to pass through harmlessly before snapping back into place.

A special patented removal tool is required to break the magnetic hold and, once done, the process of refitting can be achieved in seconds.



David Withers, Sales and Marketing Director at Ransomes Jacobsen, speaking at the Saltex launch, said, "We are convinced that MagKnife will revolutionise the maintenance of golf mowers as we know it. We have the exclusive use of this patented technology, which has been extensively tested in the USA.

"Jacobsen has always been known for innovation, launching the first hydraulic greens triple, the first lightweight fairway mower, the first and still the only true turf groomer, FlashAttach reels and now, MagKnife.

"We are committed to providing productive, environmentally-friendly products as a continuing company policy and we believe that MagKnife will enhance the productivity of golf courses around the world."

For further information Tel: 01473 270000

MORE SALTEX NEW PRODUCT LAUNCHES FEATURED NEXT MONTH