

THE INNOVATOR



New www.barrus.co.uk



Maximum Power Mercury Verado



Cub Cadet Launch The TANKSZ60



MARINER

Cover: The British Antarctic Survey (BAS) has exacting standards when it comes to specifying the choice of RIB and engine. Full story page 14



British Eventing Course Builders Rely On Cub Cadet
Page 17

Yanmar Dealer Meeting - Page 23



Mercury Powers Stingher RIBs
Page 12



Great Value WOLF-Garten
Electric Lawnmowers - Page 18

CONTENTS



Cub Cadet Launches Commercial Zero-Turn - Page 4



**Wilkinson Sword Scissors
Page 5**



Barrus Fun Day - Page 29



**Search For Oldest multi-change™ Tool
Page 16**



**Mercury Mid-Range FourStrokes
Page 12**



**First Toyota Gas Engine Sales
Page 22**



**New Quicksilver 805
Page 8**



New Website - Page 27



Dealer Days - Page 18

- 4 Cub Cadet Launches TANKSZ60
- 4 The Smartest Way To Power Walk
- 5 Barrus Distribute Energizer Batteries
- 5 New Range of Wilkinson Sword Scissors
- 6 Mid Range Mariners for Harbour Authority
- 6 Ibox Award for New MerCruiser 4.5L
- 7 Maximum Power From Mercury 350 Verado
- 7 Mercury Powers Breitling Night Mission
- 8 New Quicksilver 805
- 8 Quicksilver Boats Nominated for Awards
- 9 New Quicksilver 455
- 9 WIN A Quicksilver 455
- 10 Yanmar In 007 Movie
- 10 WOLF and Wilkinson Sword Clean Up
- 10 Ice Cream Boat
- 10 Free Chart Plotter
- 11 WOLF-Garten multi-change™ Sets
- 11 WOLF-Garten - Gardeners' Favourite
- 11 Cub Cadet Power Shops Create WOW Factor
- 11 Facelift For Lawnflite Tractors
- 12 New Mercury Mid-Range Outboards
- 12 Mercury Powers Stingher RIB
- 13 Mercury Powered Record Breaker
- 13 New Mercury Diesel Engines
- 14 Mariner In Hostile Conditions
- 15 Yanmar Hybrid for Luxury Craft
- 15 New Mercury Diesel Outboard
- 16 Search For Oldest multi-change™ Tool
- 16 Tree Care Without A Ladder
- 17 Cub Cadet Helps Build British Eventing Courses
- 18 WOLF-Garten Electric Lawnmowers
- 18 Lots To Look Forward To In 2015!
- 19 Cub Cadet Works For Fox-Pitt Eventing
- 19 Congratulations To George Cann!
- 20 Cobra RIBS Choose Mercury Outboards
- 20 Yanmar Powers Bouncer
- 21 Quicksilver 905 Pilothouse Has It All
- 21 Eton College Chooses Mariner
- 22 First Order For Toyota Gas Engines
- 22 Yanmar Powers Truxta Mini Dumper
- 23 Yanmar Dealer Meeting At Manchester United
- 23 Yanmar Engines Pack A Punch
- 23 Loncin Repower
- 24 Kawasaki Handles All-Terrain
- 24 Loncin Pumps Out The Power
- 25 Bateman Relies On John Deere
- 26 New Tier 4 Yanmar L-Series Engine
- 26 Kawasaki For Power And Performance
- 27 Barrus Launches New Website
- 27 New App Improves Customer Service
- 28 Barrus - A Rewarding Place To Work
- 28 Barrus Apprenticeship Award
- 28 Barrus Support Local Sea Scouts
- 29 Barrus Fun Day!
- 30 Barrus Hunt Comes To Barrus
- 31 Keep In Touch With Us On Facebook
- 31 Follow Us On Twitter



CUB CADET LAUNCHES COMMERCIAL ZERO-TURN TANKS Z60

The new, zero-turn Cub Cadet TANK SZ, has steering wheel control and 4-wheel steering that means there is very little terrain this machine can't handle.

Unrivalled stability and precision control gives the TANK incredible manoeuvrability and confidence in operation. Delivering a quality cut at angles other ride on mowers can't match, the TANK is a clear choice in commercial zero-turns.

A Kawasaki FX Series commercial-grade engine delivers higher horsepower and maximum torque for enhanced performance.

The mower features an electronically applied dual layer of e-coat and

powder which provides superior protection against harsh weather and ensures that even the most complex parts are evenly coated.

A smooth ride is achieved with the high-back elasticity vibration control (EVC) comfort seat with armrests. The soft grip steering wheel can be positioned to suit the operator using the quick adjusting steering column.

The Cub Cadet dealers got their chance to get hands-on with the new machine at the launch at The Great Barn at Aynho near Banbury. Taking advantage of the undulating terrain and quite thick brush within the grounds of The Old Barn, the TANK coped admirably, impressing with its manoeuvrability on the sloping landscape and its handling of the long grass.

THE SMARTEST WAY TO POWER WALK



The new Cub Cadet self-propelled, Hi Wheeled, Classic mowers the 46SPBVHW and the 53SPBVHW, feature the innovative, My Speed Drive System.



The mower speed automatically adjusts to the walking speed of the operator once the drive system is engaged, and the handle is pushed forward. If the operator walks faster, the handle is automatically pushed further forward and consequently the speed of the mower increases. If the operator walks slower, the handle is pushed back, and the unit slows down. If the operator stops walking, the lever automatically moves to neutral, and the machine stops.

ENERGIZER CHOOSES BARRUS TO DISTRIBUTE BATTERIES



E. P. Barrus Ltd has been appointed as a new distributor for the Energizer range of batteries and torches.

The relationship with the Energizer Group Ltd started in 2010 with Barrus securing a trade licence agreement to sell and market the Wilkinson Sword range of garden tools in the UK and Eire.

The new distribution agreement between the two companies reflects the growth and continuing success of the Wilkinson Sword brand of garden tools and now enables Barrus to offer an increased range of Energizer products. The primary focus is to supply a range of alkaline, lithium and rechargeable



Energizer batteries and pocket torches into the garden centre sector. This will be extended to Barrus's other dealer networks including garden machinery and marine.

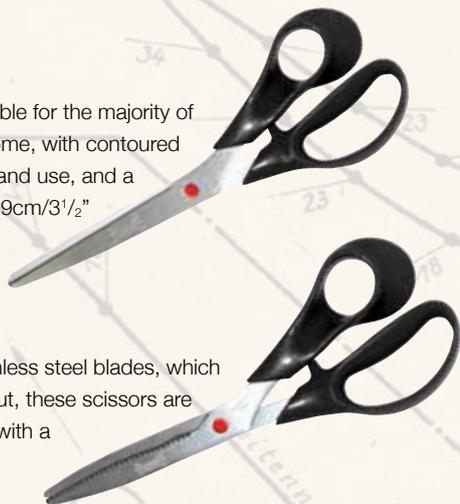
"We are delighted to be able to offer an extensive range of Energizer products providing us with the opportunity of further developing our business with the garden centres, in particular. Our customers will benefit from the same high levels of service that they enjoy with the Wilkinson Sword range with the added convenience of combining their garden tool orders with Energizer batteries and torches," comments Nick Hills, General Manager, Garden Machinery & Tools Division, E. P. Barrus Ltd.

A BRAND NEW RANGE OF SCISSORS FOR THE HOME AND GARDEN!

Wilkinson Sword is expanding its extensive range of essential gardening tools with the launch of its new Garden and Kitchen Scissor collection. The new range includes seven models, all of which feature the highest quality stainless steel blades, perfect for jobs both in and outside the home.

All Purpose Scissor

Straight bladed scissor, suitable for the majority of cutting chores around the home, with contoured handles, moulded for right-hand use, and a choice of two blade lengths: 9cm/3 1/2" and 10cm/4."

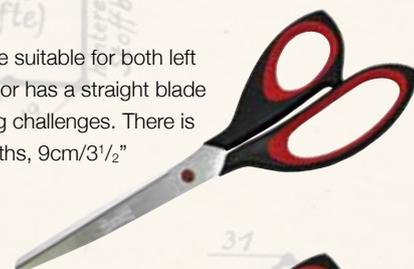


Kitchen Scissor

With 9cm/3 1/2" serrated stainless steel blades, which allow for a more controlled cut, these scissors are designed for right-hand use with a comfort handle.

Comfort All Purpose Scissor

Designed with a soft grip handle suitable for both left and right-handed use this scissor has a straight blade that can undertake most cutting challenges. There is also a choice of two blade lengths, 9cm/3 1/2" and 10cm/4".



Comfort Garden Scissor and Comfort Kitchen Scissor

Both have 9cm/3 1/2" serrated stainless steel blades for a precise, controlled cut. The soft grip handles are designed for left and right-handed use.



The new Garden and Kitchen Scissor range retails from £9.99 and comes with a ten-year guarantee, offering affordable tools without compromising on quality.

SUPERIOR CONTROL WITH THE MIGHTY MARINER COMMAND THRUST



The first of the recently launched Mariner mid-range FourStroke engines to be fitted in the UK is powering a 6m Atlantic Fisher, operated by the Cattewater Harbour Commissioners, who provide harbour facilities for both commercial vessels and leisure craft in Plymouth.

Mariner dealer, Plymouth Marine has had an association with the Cattewater Harbour Commissioners since 2006 in respect of the company's mooring facilities. When Plymouth Marine acquired Quarterdeck Marine, who historically looked after the Harbour Authority boats, they continued to service and maintain their vessels. Plymouth Marine identified that the Mariner engine that was previously fitted in the Atlantic Fisher needed replacing, and suggested installing a new Mariner 115hp Command Thrust model.

Cattewater Harbour Commissioners are required to maintain and order safe navigation for all manner of craft which might present themselves to the harbour by surveying and dredging the channels, maintaining navigation marks and lights, providing pilotage services and traffic regulation within the Cattewater, and pilotage services to the remainder of the Civil port.

"Our aim is to monitor speed and keep wash down to a minimum to avoid accidents and to ensure other water users enjoy the harbour safely, comments Darren Tippett, Marine Engineer, Cattewater Harbour

Commissioners. "The new Mariner engine has proved to be more manageable and predictable when used for towing operations. The new Command Thrust gear case provides smoother, more controllable power making it easier and safer for us to operate the boat," Darren concludes.

The Mariner Command Thrust models use the same bigger gear case housing as the Mariner 150 FourStroke, but with an all-new 2.38:1 gear ratio. It is the first true oversized gear case in the industry for outboards in this horsepower range.

Plymouth Marine has over 40-years' experience in the Marine engine industry, offering a wide range of services from their extensive waterside premises. They have the facilities for launching and recovering boats via a slipway and craning boats ashore straight to three large service bays. Remote servicing is also an option, whether by road or water.

Dennis Mallett, Business Director at Plymouth Marine Centre comments, "We are looking forward to working with the Cattewater Harbour Commissioners on further engine upgrades. We have gained their confidence through timely, professional maintenance and servicing ensuring their vessels remain fully operational at all times."



MERCURY 4.5L 250HP STERNDRIVE ENGINE WINS IBEX INNOVATION AWARD

The 4.5L, 250hp MerCruiser sterndrive engine has been named the top innovative product in its category at the International Boatbuilders' Exhibition and Conference in Tampa, Florida.

The MerCruiser 4.5L sets new standards for acceleration and overall performance, thanks to design innovations such as a long runner scrolled intake manifold and high displacement, which produces an outstanding power-to-weight ratio. The V6 engine weighs 59kg less than a 5.0L, V8 small block, yet provides similar performance.

The 4.5L also offers Adaptive Speed Control (ASC), which automatically maintains the set rpm regardless of load or condition changes, such as tight turns, tow sports and lower speeds on plane.

The result is increased throttle response, and a 'sportier' feel for the driver, who no longer has to make continual throttle control adjustments.

The engine's newly designed rear-facing throttle body, anti-whistle throttle plate, engine cover and mounts, lightweight flywheel, fuel supply module, and structural oil pan all work together to deliver superior idle and smoothness as well as low noise and vibration for a better boating experience.

The MerCruiser 4.5L is a technology-rich platform that delivers the world's first V6 sterndrive that is compatible with SmartCraft Digital Throttle & Shift

(DTS) for immediate throttle response and smooth shifting throughout the rpm band. An option for the 4.5L V6 with DTS is Joystick Piloting, providing the ultimate in docking experience and manoeuvrability.

Ease of maintenance was taken into account when designing the MerCruiser 4.5L, eliminating the need for the traditional 20-hour service. The engine also boasts a 'season-extending' drain system that can keep you boating during the transition times between seasons.

Available in single or twin installations and compatible with Mercury's full series of Alpha and Bravo drives, the MerCruiser 4.5L offers ultimate flexibility to boatbuilders, marine dealers and consumers by offering the ideal propulsion package for a wide range of boats from runabouts to cruisers.

Brady Kay, Editor of Pontoon & Deck Boat magazine and one of the innovation judges, perhaps summed up the engine's purpose-built nature when he said, "Auto engines are for highways."



THE NEW MERCURY VERADO 350

MAXIMUM POWER FROM A TRUSTED SOURCE

The new Mercury Verado 350hp outboard, launched at the Miami International Boat Show, is now the most powerful engine in Mercury's class-leading family of four and six-cylinder supercharged FourStroke outboards.

Built on Mercury's proven supercharged inline, six-cylinder Verado outboard engine, the Verado 350 delivers unsurpassed speed and overall performance without sacrificing durability and cruise fuel economy.

The highly efficient Verado 350, provides up to 10% greater fuel economy than competitive outboards, which could translate in up to 80 miles in additional range per fill-up. Weighing in at just 303kg's, the Mercury Verado is 43kg's lighter than the nearest four-stroke competitor, and its compact design provides a less-obstructed view and easier water access for fishing.

True to the Verado brand, the new 350 provides class-leading performance. The engine has superior torque across the operating range, creating rocket like holeshoot, faster top-end speed and superb cruising performance.

Mercury's Verado FourStroke engine range is synonymous with supercharged power and torque; industry-leading performance, fuel economy and handling; true power steering, and minimised noise and vibration. The introduction of the high-horsepower 350 Verado is pulling even farther ahead of the competition.

The Verado 350 is available in a choice of colours that will complement almost any boat design or style. In addition to the standard Phantom Black, two shades of white, Cold Fusion or Warm Fusion, are available to special order.



Launched at
Miami Boat Show

MERCURY IN BREITLING EMERGENCY NIGHT MISSION



The stage was set. Under the cover of darkness, the sleek, Stealth 710 vessel fitted with the supercharged, smooth, silent power of a Mercury Verado 150hp outboard made its way up the Thames on a mission to deliver precious cargo.

The Emergency Night Mission was the backdrop for the launch of Breitling's Emergency II wristwatch, the ultimate high-tech survival instrument for all distress situations on land, at sea and in the air. The Stealth 710 equipped with state of the art anti-detection systems,

delivered the watch to the iconic warship HMS Belfast, the venue for the Swiss brand Breitling's launch party.

The event was attended by special guests of the brand including pilots and military personnel as well as adventurers Neil Laughton and Quentin Smith, a pilot rescued from his life raft after he deployed his Breitling Emergency in the Antarctic in 2003.

The Stealth 710 was built by Whitmarsh RIBs, who normally use Mercury engines on their high-performance superyacht tenders.



NEW QUICKSILVER ACTIV 805 CRUISER SETTING THE STANDARD FOR LUXURY PERFORMANCE

Two new additions have joined the Quicksilver Activ line-up offering an extended choice at both ends of the range. The recently launched Activ 805 Cruiser is a luxury, high-performance cruiser that features numerous superior design features. It is set to become the craft of choice for those looking for uncompromising style and exclusivity in fast, comfortable cruising and exciting water sports.

Refined comfort, performance and safety

Designed for fast and stable cruising, the Activ 805 Cruiser has high performance, navigation equipment fitted as standard. The high-specification design pilot and passenger seating and refined on-board accommodation all combine to provide the complete luxury package.

The spacious double forward cabin and twin, mid-berth cabin sleeps 4 in elegance and style, while the robust and practical galley with refrigerator, fresh water system and stove, and a practical, yet private marine toilet complete the comfortable design.

Safety on board is provided by double swim platforms and a sturdy foldable ladder to ensure easy stern access from the water and land, while full width companionway steps to the foredeck guarantee safe passage to the bow area, itself complemented by a stainless steel guardrail.

Powerful Mercury single or twin-engine options up to 350hp deliver great

acceleration and top speed, while Verado technology ensures safe and precise handling.

Design and versatility

With its sleek, fluid lines, the Activ 805 Cruiser's perfect proportions create a powerful presence on the water, while its versatility offers multiple configurations for overnighting and leisure use with family and friends.

The Activ 805 transforms from a stylish performance Cruiser for up to nine people to an overnight cruiser accommodating four people in no time at all. There are three different cockpit configurations from comfortable cockpit seating and dining area for nine people, to spacious sun lounge, to a multi-purpose swim and sports activity area.

High-specification exterior fittings and intelligent design elements are complemented by high-end finishing. The elegant and stylish interior is fitted with luxury upholstery, cabinets and wooden trim.

According to Ben Allen, General Manager, Marine Leisure Division, E. P. Barrus Ltd, "The new Activ 805 Cruiser is both a luxurious and stylish performance Cruiser, offering multiple configurations for leisure use with family and friends. In addition, it's excellent sea handling and intelligent options enable the Activ 805 Cruiser to be enjoyed throughout the year."

The Activ 805 is also available in Open, Sundeck and Fish options.

QUICKSILVER BOATS NOMINATED FOR AWARDS



NAUTIC DESIGN
AWARDS 2014
DAY BOAT CATEGORY

Organised by the Paris Boat Show in partnership with Moteur Boat, Neptune and Sports & Style.

QUICKSILVER ACTIV 805 SUNDECK



EUROPEAN POWERBOAT
OF THE YEAR 2015
UNDER 35 FEET CATEGORY

Initiated by Boote magazine of Germany and judged by Europe's top seven motor boat magazines from Norway, Italy, France, the Netherlands, Switzerland, Austria and Germany.

QUICKSILVER ACTIV 805 SUNDECK



MOTOR BOAT
AWARD 2015
STARTER BOAT CATEGORY

Organised by Motor Boat & Yachting magazine

QUICKSILVER ACTIV 855



YANMAR CAST IN BOND MOVIE ROLE

With the news that the new James Bond film 'Spectre' will be released this year, here is a quick throw back to Daniel Craig's first film as the 007 agent in the film 'Casino Royale'.

The scenes filmed in Venice featured James Bond, and co-star Eva Green on-board his luxurious personal yacht. When choosing a suitable yacht for the world's best-known agent, the producers of the film wanted to find one that would reflect 007's style and desire for speed. The Spirit 54 ticked all the right boxes. Built by a British company, Spirit Yachts of Ipswich and powered by a Yanmar 54hp inboard diesel engine, it made the perfect casting choice in one of the most watched Bond films ever.



WOLF AND WILKINSON TOOLS CLEAN UP

A Ground Force team made up of teachers, parents and children from the Heyford Park Free School, transformed an unused, and overgrown tennis and netball court with the help of WOLF-Garten and Wilkinson Sword garden tools.

Heyford Park Free School is a small and inclusive, all-through Free School that takes students from the age of 4 through to 19 and encourages them to flourish, recognise their strengths, and identify their own aims and aspirations.

Located on the site of a former RAF and US Air Force base at Heyford Park in Oxfordshire, close to Barrus's distribution warehouse, the school is built on the site of the old officers mess which offered limited sporting facilities.

Children of Barrus employees attend and play sport for the school which forged a local connection, resulting in the donation of a large amount of WOLF-Garten and Wilkinson Sword tools including loppers, brooms, saws, spades, gloves and secateurs.

Gerald Daniels, Secretary of Friends of Heyford Park Free School comments, "We very much appreciate the kind donation of the tools by Barrus to help with the tennis court project clean up. The children now have the opportunity to play competitive games a short distance from the school without having to travel to other locations."



NO NEED TO LEAVE THE BEACH IF YOU FANCY ICE CREAM!

Two Dolphin 455 ice cream boats are the novel idea of entrepreneur, Tim Morris, who set up Ice Cream Boats Ltd.

The boats cruise up and down the beach in Poole Harbour serving Cadbury ice cream. "The boats have proved very popular during the summer. We chose the Mariner 25hp outboards for their renowned quality and reliability and because of their long association with the RNLI," comments Tim Morris. The engines were supplied by Mariner dealer, Yellow Penguin, based at Parkstone Bay Marina in Poole.



FREE CHART PLOTTER

A FREE Lowrance Elite-4M, HD Chart Plotter worth £249.99, will be given away with selected Mariner and Mercury mid-range FourStroke engines registered between 1st April and 31st May 2015.

The new, easy-to-use, 4.3 inch chart plotter has a superbright, LED backlit colour display, built-in GPS antenna and support for high-definition mapping. Perfect for all boats including open boats and RIB's.

This offer is available on all Mariner 75hp, 90hp, 115hp and 150hp models including Command Thrust and Mercury 80hp, 100hp, 115hp and 150hp including Command Thrust.

For further information contact your local Mariner or Mercury Dealer.



WOLF-GARTEN GARDENERS' FAVOURITE

Voted for by experienced and novice gardeners alike, WOLF-Garten is proud to take third place in the Best Garden Tools category in the Great British Growing Awards 2014.

Organised by Grow Your Own magazine and sponsored by the Edible Garden Show, the awards reflect the most popular choices across the growing community including favourite products or brands, gardening heroes, books and events.

The awards were presented in March at the Edible Garden Show, Alexandra Palace in London, which is a popular national event for grow your own, fruit, vegetables and home produce.



GREAT WOLF TOOL COMBINATIONS

The WOLF-Garten multi-change® promotional sets are the ideal introduction to the multi-change® tool concept.

Barrus has created a number of 'tool sets' that comprise two different tool heads and a handle to tackle a variety of jobs around the garden and home. Two of the most popular sets include the cultivation set, consisting of a soil rake, a dutch hoe plus a 150cm handle and the weeding set includes a weeding brush, scraper and handle. These sets offer great value for money and offer customers a starter kit from which they can build their tool collection.



CUB CADET POWER SHOPS CREATE THE 'WOW FACTOR'



The first snap shot of the new Cub Cadet Power Shop concept has been taken at Revill Mowers in Coleford, Gloucestershire.

This is the first installation of the Power Shop in the UK which has been designed and developed by MTD to promote a consistent brand image and presentation throughout Europe. This innovative, modern 'look and feel' will help dealers to create

a strong Cub Cadet presence in their showrooms. The system includes a raised platform with graphics and logos to provide definition for the machines, a logo banner, a graphic backdrop and an interactive touch screen to show videos and product images.



FACELIFT FOR LAWNFLITE TRACTORS



The Lawnflite SMART tractors, the LRF125, 603RT and the 703RT have been updated and refreshed for 2015. They now sport the signature Lawnflite design features that are found in the rest of the range.



There are also two new Lawnflite OPTIMA models, the 703LH and the 908LH. Both models feature hydrostatic transmission making them easier to operate, and a stylish, black hood. The 703LH has a cutting width of 92cm and the 908LH is 105cm making them ideal for larger lawns up to 3000m².

MERCURY'S LATEST MID-RANGE OUTBOARDS

Mercury's world-renowned engineering team has packed incredible power into the new, lighter, and compact, mid-range FourStroke outboards. Available in 80hp, 100hp and 115hp models there is also an option of Command Thrust on the 115hp version.

The new engines feature a 2.1 litre, four-cylinder, eight-valve, single-over-head-cam design that delivers more torque for less weight than competing engines. They don't have to work as hard as heavier engines or those with lower displacement, making boats plane faster, accelerate better and provide optimal efficiency at cruising speed.

They are built with the same architecture as the extraordinarily reliable and extremely popular Mercury 150 FourStrokes to ensure they start and run consistently and last longer no matter what conditions they face.

The new engine line-up has been engineered and manufactured to provide the smoothest, quietest ride. Mercury has successfully reduced noise and vibration in these next-generation FourStrokes to provide a more pleasant boating experience.

These new outboards are also the easiest to maintain in the industry, with an exclusive lifetime maintenance-free valve train, no mess oil change system, no tools required fuel filter, colour-coded maintenance locators and an up-front freshwater valve flush system.

The 115hp Command Thrust gear case creates a larger footprint in the water, which provides more leverage to control the boat. This is ideal for heavier boats with a recommended horsepower range of 115hp to 150hp for

improved overall performance, docking manoeuvrability, added thrust and holding power for low planning speeds or overall holding in rough waters.

There is also an 115hp Command Thrust model with left-hand rotation for improved handling and docking in dual-engine installations.

Ben Allen, General Manager, Marine Leisure Division, E. P. Barrus Ltd, comments, "The introduction of these new FourStroke outboards represent an important development for Barrus in this key industry horsepower sector. This brings our FourStroke offering right up to date and provides us with a real opportunity to further grow our business."



MERCURY'S SOPHISTICATION AND STINGER'S ITALIAN STYLING - A PERFECT MATCH

Mercury Verado outboards have been chosen to power the latest model in the Stinger RIB range.

This beautiful craft built in Milan is the creation of world-renowned designer Giuseppe Risola who has gained his skill and knowledge from over ten years racing experience. Two years in the making, the Stinger 9m Cabin has certainly been worth waiting for with its superb build quality and standard equipment second to none.

The cabin has a seating area that converts into 2-3 berths. There is a full height shower and sea toilet fitted in the corner, along with a wealth of storage space underneath the beds. LED mood lighting, a stereo headset that incorporates an iPod player and a fully lockable tinted door all combine to make life on board comfortable.

The rear deck has a horseshoe shaped seating area for six people around a central dining table that can be stowed when not in use. Fitted in the deck dining area are an electric fridge, calor gas cooker and sink with electric pumped water.

The Stinger benefits from the power of the most sophisticated propulsion system on the water, the FourStroke Mercury Verado engines. Edward Pedley, Managing Director of MRL Marine Ltd, the sole UK importers and distributors of Stinger RIBs comments, "The Mercury 200hp Verado engines are very light and compact providing excellent performance, whilst returning a low fuel consumption. Add this to features including Electro Hydraulic steering and electronic throttle, and you have the perfect combination."





RECORD BREAKER

FOLLOWING IN FATHER'S FOOTSTEPS

Sam Whittle, the son of Keith Whittle, Managing Director of Mercury Racing dealership Powertech Marine of Hayling Island, achieved a World and National record during the 44th Annual Coniston Powerboat Records Week.

Sam, in his Mercury powered Molgaard Catamaran hull, set a new World and National Water Speed Record of 70.45mph in the S1000 Class. His father took part in the 2013 records week achieving five speed records

and had a lucky escape when his boat left the water and flipped one and a half times backwards and landed stern first, upside down!

A total of 6 World Records and 16 national records were broken during the 44th Records Week, an event run solely by volunteers and takes the participation of over 60 individuals to enable this great British tradition to take place and the records to be broken.

NEW TIER 3 MERCURY DIESEL ENGINES

Mercury Diesel has now launched two new Tier 3 diesel engines at 150hp and 170hp. They offer the ultimate combination of power and thrust, unsurpassed fuel economy, extreme reliability and smooth, quiet operation - all in a lightweight, compact package.

With the introduction of these new engines, Mercury Diesel now offers a seamless range of Tier 3 diesel engines from 115hp to 370hp. They have state of the art, common rail fuel injection technology and the 150hp and larger horsepower models are equipped with variable geometry turbochargers (VGT) that significantly reduce time to plane of a vessel by eliminating turbo lag. Both the 150hp and 170hp are available as sterndrive and inboard options.

The new, 2.0 litre diesel engines are fitted with SmartCraft technology as standard. Digital throttle and shift are available as options for both the inboard and sterndrive models as well as joystick steering Axis models.



HOSTILE CONDITIONS CALL FOR THE RELIABILITY OF MARINER

British Antarctic Survey (BAS) has a long and distinguished history of carrying out research and surveys in the Antarctic and surrounding regions, undertaking most of the British research on the frozen continent.

Their requirements are very specific when it comes to specifying the choice of RIB and engine for their important work in such extreme conditions, which is why they rely on the support of Humber RIBs. Humber has a wealth of experience in the supply of RIB's to commercial survey organisations and universities.

Rob White, Senior Marine Engineer for BAS explains the considerations when choosing a suitable engine. "We have two main issues with engines for the boats that we use; the first being able to start them in cold climates and the second is to reduce emissions whilst operating south of 60 degrees in the Antarctic territories."

"The choice between a cleaner 4-stroke and an easier starting 2-stroke has to be weighed up. Our boating operations below 60 degrees, within the Antarctic territories, are less frequent, and the risks of a non-starting boat could be quite severe in such hostile areas. Consequently, we have chosen the 2-stroke over the 4-stroke engine. The size of the engine is a compromise between having enough power to operate in and around the island bases, where kelp beds can be quite large, and being able to manhandle engines on and off boats whilst on deck. The evolution over a



25-year period and the importance of reliability has led the ships to choose Mariner 40hp, 2-stroke engines, which also have the advantage of being lighter than a 4-stroke of the same size."

The RIBs transport passengers or cargo to island bases that have no other means of access and the inflatable boats are used for deploying science parties on islands around Antarctica that are uninhabited. The Humber inflatable boats have evolved in design to the present day with additional strengthening and support to enable the operations in these extreme conditions.



YANMAR HYBRID ENGINE CHOSEN FOR LUXURY CRAFT

Hybrid Marine Ltd and Barrus have been working together since 2008 which resulted in the first Parallel Hybrid Saildrive system based on the Yanmar marine diesel engine range. There was little early reaction from boat builders, but with the familiarity of hybrid cars, there came a rapidly increasing interest in Hybrid installation amongst boat owners.

A parallel hybrid system can be fitted to a vessel during its initial construction or retrofitted to an existing diesel installation. Suitable for vessels up to 50 feet this approach brings key advantages including built-in redundancy should either the diesel engine or the electric drive fail.

Based on Yanmar engines from 30hp to 110hp, the system offers many advantages including improved fuel consumption and an extended cruising range on limited fuel resources. Controlled by innovative electronic technology, the complexity is hidden away, and a user-friendly control panel provides simple system operation. Additional functionality allows the system to be used as a standalone diesel generator even when the vessel is stationary, eliminating the need to purchase a separate, expensive and heavy diesel generator.



The need to work closely with boat builders to design hybrids that meet their individual requirements is very important. An example of such collaboration is Isara Yachts, based in Hong Kong, who build their luxury leisure craft in Taiwan. Graeme Hawksley, Managing Director of Hybrid Marine, takes up the story. "We have worked with Isara every step during the design of their new 45' sailing catamaran. The vessel has a powerful electrical system that provides electric cooking and air-conditioning throughout. Each hull has a hybrid based on a Yanmar 4JH5E, 53hp engine with 10kW electric drive and 10kW generation capability. An intensive

amount of work was required by Barrus and Hybrid Marine to develop and put the first system in production for Isara. The level of luxury enabled by the hybrid systems has helped Isara to penetrate new markets. The Isara 45 has bucked the global downturn and is now in serial production with full order books," Graeme concludes.



NEW MERCURY DIESEL OUTBOARD ENGINE

Barrus showcased the Mercury 180hp diesel last year at Seawork International, the largest commercial marine and workboat event to be held in a European working port. The first of its kind, the Mercury engine was awarded the Seawork Innovation Award for Propulsion.

The Mercury 180hp diesel outboard has been developed for military users for applications where petrol is either not available or carries a fire risk. Many commercial operators prefer a diesel outboard due to the ready availability of the fuel and diesel power is also more economical and often cheaper.

The 3-litre, 60° Vee, 2-stroke V6, diesel burning outboard engine has the benefits of being a cost effective and weight-saving alternative to a marine inboard diesel engine. This diesel engine can also easily replace current 2 and 4-stroke outboards of a similar size and weight due to their identical mounting points. The US military has already undertaken tests, and Barrus will continue testing with the UK MoD.

There is also a kerosene version available as an alternative.





THE SEARCH FOR THE OLDEST WORKING WOLF-GARTEN MULTI-CHANGE™ TOOL IS ON!

WOLF-Garten has launched its search for the country's oldest working multi-change™ tool.

We are asking gardeners' across the UK to send us their historic pictures and stirring stories of their favourite multi-change™ tools, who will then be in with a chance of winning £100 worth of new WOLF-Garten gardening tools and two tickets to BBC Gardeners' World Live in June.

WOLF-Garten started life in 1927, when Gregor Wolf designed and manufactured his draw hoe. This initial innovation was followed in 1953 with the introduction of the first rotary lawnmower to be launched in Europe. The first European electrical lawnmower quickly followed in 1958. Since then the company has gone from strength to strength, with the instantly recognisable yellow and red logo being found in many sheds around the country.

The iconic multi-change™ range was specifically designed to be lightweight and comfortable to use, offering the gardener a tool collection tailored to their height and ability, and its popularity continues to this day. The current 'every tool head fits every handle' range comprises of a selection of 14 handles of different lengths and styles, and over 60 tool heads to cater for any type of gardening task.

"We obviously want to find out exactly how old the oldest working

multi-change™ tool is, but we also want to hear stories of where customers first bought their tool and how they have used it over the years," explains Karen Clarke, Marketing Services Manager, E.P. Barrus Ltd.

"We are really excited about the interesting tales we may hear and look forward to seeing the winners at BBC Gardeners' World, where we have a stand," Karen concludes.

Pictures and information can be sent via Facebook, by searching for WOLF-Garten Garden Tools, on Twitter (@WGGardentools) or by emailing marketing@wolfgarten-tools.co.uk

Further information can be found online at www.wolfgarten-tools.co.uk.



TREE CARE WITHOUT A LADDER

WOLF-Garten's range of products for tree care without a ladder now includes the RR200 and RR400T Bypass Tree Loppers.

The RR200 measures 200cm in length, while the RR400T extends from 240cm to 400cm, allowing users to reach heights without taking their feet off the ground. Both loppers benefit from bypass technology with non-stick coated blades and are recommended for cutting branches with 35mm diameters. The 180° adjustable head is simple and fast locking, making the loppers easy to use.





BRITISH EVENTING COURSE BUILDERS RELY ON CUB CADET

Cub Cadet's involvement in Eventing has taken another step forward with two of the most successful course builders in Britain today, David Evans and Richard Taylor, choosing to use Cub Cadet machinery.

Their work is well-recognised as is the demand for the pair's services. David has been awarded The British Eventing Bill Thompson Trophy for challenging the boundaries of the sport with his innovative work. David's signature is the woodcarvings he makes for each jump, bringing character and humour to each course.

The team has used the Cub Cadet RZTS46 zero-turn lawn tractor and the Cub Cadet Triloy, CC53SPB, self-propelled pedestrian mower, in the preparation of courses for a number of British Eventing competitions, including Bramham, Salperton, Chatsworth, Upton House and Blenheim Palace.

The team enjoyed the RZTS46, "The power is impressive - it's very nippy! The steering wheel is user-friendly, and the Synchro Steer technology helps the machine react to all kinds of terrain; steep verges around the water's edge are no problem. Even where the ground is uneven, the floating cutting deck ensures all grass is cut without leaving scalped areas." comments Richard.

Richard also liked the choice of collection options. "The side discharge is efficient, throwing clippings well away without leaving unsightly rows of dry grass. When the grass is shorter, the mulch plug is the better choice as no cuttings remain at all." He also praised the PTO deck engagement system, which makes light work of lifting and lowering the cutting deck.

Blenheim Palace Horse Trials needed some seriously capable equipment to get this world-class course ready and up to standard. The Cub Cadet RZTS46 coped easily with cutting a trail through the woods, despite the tough terrain, long grass, and stubborn weeds. Once the course was cut, it was all about the detail, and trickier areas around the jumps, or on various steep-sided mounds that can only be reached with a smaller machine. The team used the Cub Cadet Triloy, self-propelled pedestrian mower and commended its manoeuvrability, variable speed control and its easy electric starter.

Cub Cadet was also a proud sponsor of Blenheim Horse Trials in 2014. A sponsored fence, 'Cub Cadet ride-on and push!' featured product displays plus a machine was showcased in the members' area.

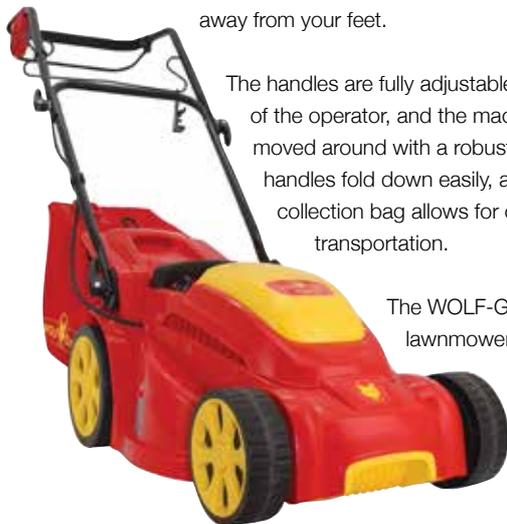


GREAT FEATURES! GREAT VALUE ELECTRIC LAWNMOWERS FROM WOLF-GARTEN

Powerful, lightweight and extremely manoeuvrable, WOLF-Garten is an excellent choice for electric lawnmowers. The new A340E-UK Electric mower is packed with features making it best-in-class against competing models. Now available at a special promotional price of £99.99, this is a massive saving of £50.00 against the normal retail price.

The WOLF-Garten Cut and Collect System (ACC), has been specially designed for this lawnmower. The cutting deck generates strong airflow to straighten the grass stems ensuring a beautifully even cut and accelerates the cuttings into the bag.

The A340E-UK has been designed with ease of use, comfort and safety in mind. There is a single control to switch from collection, mulch or rear discharge and a single lever to select the best height of cut. The 15metre, Flick-Flack™ cable guide with anti-kink keeps the cable tangle free and away from your feet.



The handles are fully adjustable to suit the height of the operator, and the machine can be easily moved around with a robust carrying handle. The handles fold down easily, and the collapsible net collection bag allows for compact storage and transportation.

The WOLF-Garten electric lawnmower range has a model to suit all garden sizes and they now offer even greater value this season.



LOTS TO LOOK FORWARD TO IN 2015!

The Lawn & Garden dealer days were the opportunity to remind the dealer network of existing, new and improved product, and to gather feedback from the front line. Dealers had an exclusive look at products and campaigns that will power their businesses in the year ahead and a chance to talk to each other, as well as the Barrus team.



Venues included Donington Park Racing Circuit, with the added attraction of a visit to the F1 museum and a WW1 exhibition; and Bicester Head Office, where guests were able to view all the facilities that support their operations. The large number of dealers taking time out of their busy schedules to attend is testament to the value they receive.

Over 35 new products from Cub Cadet, Lawnflite, MTD and WOLF-Garten were showcased as part of the 2015 Barrus line-up with many models available to test drive by the dealers.

Nick Hills, General Manager of the Garden Division at Barrus was delighted with the way the dealer days turned out. "It's a very valuable exercise for us", Nick comments. "The feedback we've received tells us that our dealership partners are ahead of the game with product knowledge, and are looking for ways to combine new technology with a traditional approach to service, to suit their customers' needs. We are listening to our dealers and want to help them run profitable businesses," Nick concludes.

A series of regional Training Days took place in February covering new season product and servicing.



CONGRATULATIONS TO GEORGE CANN!

George Cann Garden Machinery, of Bramdean in Hampshire, was awarded the Garden Machinery Dealer of 2014 at the Service Dealer Awards.

Established over 40 years ago, George Cann Garden Machinery is now run by George's son and daughter, Steve and Jill Cann. Since its creation, the business has grown to become one of the most successful dealers in the country. Despite having only five full-time members of staff, George Cann not only generates a phenomenal level of business, but also offers a wide breadth of knowledge and experience all backed by outstanding customer service.

"George Cann has been a Cub Cadet dealer for many years and over that time has grown to become one of our most valued dealers," comments Nick



Hills, General Manager of the Garden Division, E. P. Barrus Ltd.

"The company has established itself as one of the most respected in the industry that is shown by the amount of repeat business it receives from its many loyal customers. They have worked hard for many years creating an established, well-respected and knowledgeable dealership and we're delighted they have won this award," adds Martin Wasley, Sales and Technical Manager of the Garden Division at E. P. Barrus Ltd.



CUB CADET IS A GREAT WORKHORSE AT FOX-PITT EVENTING

Eventing World Champion William Fox-Pitt has taken delivery of a new Cub Cadet UTV 4X4 utility vehicle. This replaces the trusted four-year-old model that has been crucial in helping him, and his team ensure the prize-winning reputation of his eventing yard, training facility and home to 25 horses.

The flexibility of the Cub Cadet 4x4 with its reliable Yanmar Diesel Engine and useful loading area make it vital, particularly in the winter months, when horses are out in the fields during the day or in stables across the grounds and village. Head Groom Jackie Potts loves the UTV, and she uses it to get

to the horses for regular checks on the animals and to transport feed, hay and bedding. "It is easy to drive on and off-road," she said. The new UTV is also more visible than the camouflage model with its characteristic Cub Cadet yellow paint.

William runs a modern equestrian facility in rural Dorset. The facilities are state of the art to enable him to prepare horses for the gruelling eventing calendar. Purpose built ten years ago; the yard is complete with an indoor and outdoor arena, a walker and many trails to hack through the vast grounds and surrounding villages.





MERCURY IS THE FIRST CHOICE FOR COBRA

APV Marine Ltd, based in Dorset, is the sole designer and manufacturer of the highly respected and stunning, hand-crafted Cobra Ribs.

For the past 30-years, Mercury has been the engine of choice for a number of the Cobra models. The early Cobra 7.5m models were designed around the weight and power delivery of Mercury's V6 OptiMax engines including the 200, 225 and 250hp. With the introduction of Mercury's supercharged Verado range, Cobra designed their models around the Verado 6-cylinder, 300hp engine in either a single or twin installation.

Each Cobra is bespoke to individual customer requirements from the entry-level 6.6m through to the flagship 10.6m model. "We believe we are unique in offering a genuine family adventure Rib, fusing together great performance and on-board accommodation. Cobra has always chosen to have a partnership with Mercury due to the product quality, the performance characteristics and the worldwide support network," comments Josh Arkell, Operations Director, Cobra Ribs

BOUNCER IS BACK!

Redbay Boats, one of the finest manufacturers of fibreglass boats in the UK, has built a specially commissioned Redbay Stormforce for Brian McLister, making it the fourth Redbay Brian has owned.

Brian McLister is known for his long-distance cruising, including Ballycastle (Northern Ireland) to Bergen in Norway and back again in a record eight days, countless assaults on St Kilda and regular cruising trips of 500 miles in a weekend.

The 12m Redbay has been customised to suit the needs of Brian's son, Paul, who is a wheelchair user. This latest boat demonstrates a whole new level of customisation; apart from being the largest to date, it is also the first to allow Paul to carry out operations from port to port.

Bouncer, has been fitted with twin Yanmar 8LV engines with a hydrodynamic ZT370 dual propeller stern drive, but probably the most significant enhancement on the craft is the new Yanmar JCS (Joystick Control System).



This system facilitates a 360° degree turn, sideways and diagonal movement. This allows Paul to helm the boat and carry out the tricky manoeuvres around the base port marina of Ballycastle, and it enables him to dock at any destination harbour, something that Paul has found difficult in the past.

"The fuel tank capacity has been increased from 1300 litres to 1800 litres, greatly increasing the cruising range, and thanks to the twin Yanmar 8LV's, Bouncer is no slouch pushing up to a maximum speed of 40 knots with ease," comments Brian.

THE NEW QUICKSILVER 905 PILOTHOUSE WHERE SERIOUS FISHING MEETS COMFORTABLE CRUISING



The new Quicksilver 905 Pilothouse has been designed without compromise. There is no need to choose between comfort and performance or fishing and cruising. The 905 Pilothouse has it all.

The 905 offers new levels of comfort for up to ten people with accommodation facilities for up to six.

Safety on board has been well-thought out with a double passage way around the boat and an additional portside sliding door. High freeboards and conveniently positioned grab rails add to the overall safety features of this boat.

Offering a generous fishing cockpit and storage areas, the 905 Pilothouse caters for multiple anglers, with an ingenious fish station configuration that, at the touch of a button, slides back for maximum cockpit space. Integrated fish lockers in the cockpit floor offer a good solution for packing away the catch.

The precision engineered deep-V hull guarantees safe and practical handling in a variety of weather and sea conditions while power of up to 500hp from the Mercury outboard engines gets you out quickly to where the fish are.

The 905 Pilothouse comes with a wide range of Smart Edition options allowing owners to customise their boat configuration exactly the way they want it.

Ben Allen, General Manager, Marine Leisure Division, E. P. Barrus Ltd, comments, "The new 905's impressive specification and competitive pricing make it ideally positioned in its sector. With its excellent fishing and cruising features, it offers considerably more than just a traditional fishing boat."



ETON COLLEGE CHOOSES MARINER

Eton College based at the World renowned Rowing Centre, Dorney Lake has taken delivery of a new safety boat fitted with a Mariner 60hp outboard engine.

The MK3 Pioneer Multi, is a highly effective, safe and reliable safety boat that is suitable for sailing clubs and outdoor centres; a reliable workboat used by harbour authorities, highland estates and construction sites and as a dive boat for police and the emergency services.

TK Marine Associates, specialists in the small safety and workboat market, supplied the boat and Mariner Dealer, Aluminium Boat Company fitted the engine. "There were a number of factors that determined our choice including the compact and lightweight design of the engine compared to competitor outboards," comments Tony Kortens from TK Marine Associates. "The reputation of the Mariner brand, coupled with a reliable service network and extended Barrus backed 5-year warranty also contributed to our selection," Tony concluded.

Eton College Rowing Centre will look to replace their other engines as they come up for renewal.



Eton College Rowing Centre takes delivery of their new safety boat. Pictured from left to right: Paul Johnson, Aluminium Boat Company, Tony Kortens, TK Marine Associates

BARRUS SECURE 1ST ORDER FOR TOYOTA GAS ENGINES

Barrus has supplied its first order for Toyota LPG engines to Combilift, the acknowledged leader in the multi-directional long-load handling market.

Combilift has incorporated the Toyota 4Y Series LPG engine into their Combi-CB range of compact, multi-directional forklifts. More compact than a traditional counterbalance forklift, the Combi-CB handles palletised goods and long length products with a capacity between 2,500kg to 4,000kg.

Barrus has been working with Combilift for a number of years supplying the John Deere 4.5 litre and 6.8 litre engines for the Combilift Straddle Carrier (Combi-SC) and their 14 and 25 tonne directional forklift trucks.

The Combi-CB was shown on the Barrus stand at Hillhead, the world's premier event for the mineral products, construction and recycling industries.



Pictured from left to right: Robert Muir, Managing Director, Barrus, Ian Turner, Technical Services Manager, Barrus, Martin McVicar, Managing Director, Combilift, John Day, General Manager Industrial Division, Barrus, Tim Hart, Director of Sales & Marketing, Barrus



TRUXTA - THE SMART MOVER

The all new Truxta 4x4, is a versatile, powered mini dumper designed and built to rental industry standards by Tufftruk Ltd, a UK company based in the Peak District National Park. The machine is the brainchild of Ron Blackhurst, former Chairman of the Belle Group.



There are three models in the range, the 300 and 450 articulated BENDI and the 300 RIGID that all have the option of a reliable, Yanmar L48N diesel engine. The 300kg or 450kg capacity BENDI machines provide access in the tightest corners and at just 726mm wide the Truxta is compact and gets into places other units can't. The Truxta non-articulated RIGID offers a

big, balanced skip capacity and plenty of power for heavy loads.

The Truxta features a simple, squeeze and go control system with the operator walking behind the wheelbarrow controlling the steering, speed and tipping of the skip from the rear of the machine. The machines lightweight build ensures minimal effort is required by the operator to guide the machine.

The four-wheel drive system delivers performance on uneven ground and inclines that no machines of this type in the current marketplace can come close to matching. The unique low ground pressure flotation tyres are kind to the surfaces they move across which means lawns will not be damaged.

The patented fail-safe dead-man brake system and intuitive hydrostatic controls make the Truxta the safest in its class.

The machine is aimed at a wide target market including contractors, hire companies, builders, landscapers, councils, smallholders, ground care, horticulture and equestrian. Attachments available for the Truxta include a skip ramp, flatbed, tow ball, snow plough, grit spreader and paddock cleaner, making the machine suitable for numerous applications.

"We chose the Yanmar L48N for its high quality and reliability in operation. Its strong track record in the rental industry, compact design and ease of servicing, plus the 3-year warranty made it our number one choice," comments Ron Blackhurst, Managing Director, Tufftruk Ltd.

YANMAR DEALER MEETING 'KICKS OFF' AT MANCHESTER UNITED

As official global partners of Manchester United, Yanmar hosted their UK Dealer meeting at Manchester United's grounds, Old Trafford.

25 Yanmar dealers attended the meeting that was intended to update dealers on the latest technology, products and company developments. Following the business presentations, dealers had the opportunity of a guided tour of the grounds making the day both productive and memorable.

Here are just a few comments from enthusiastic Yanmar dealers:

"A thoroughly enjoyable event, very informative, and a great location"

"Very impressed with the organisation of the meeting and an upbeat atmosphere"

"Hospitality was great and the venue topped the day off"



YANMAR ENGINES PACK A PUNCH

Yanmar engines are packing a punch in a new Tracked Post Driver, designed and built by Protech Machinery, a British owned company based in Gloucestershire. The self-propelled, one man machine is ideal for use on steep, wet ground where a conventional tractor unit would not reach.

The P22 Tracked Post Driver is fitted with a Yanmar 4TNV88 DS power pack with additional equipment being supplied by Barrus including a throttle cable, control panel and extension wiring.

The machine was originally built as a prototype last year and after testing and application approval, a total of 24 Yanmar engines have now been supplied by Barrus. The machine is ideal for use by farmers, smallholders and contractors who have a requirement for reliable, durable equipment at an affordable price.

Standard features of the machine include a 300kg hammer weight, 800mm telescopic side shift and a 1000mm telescopic mast extension. Designed to save labour, time and fuel, the unit is also towable and has low ground pressure for all year round operation. There is also a rock spike attachment that makes it easy to punch holes in the hardest of grounds.

"We chose the Yanmar engine for its smooth and quiet operation, fuel economy and that it was available fully built up as a power pack," comments Steve Craddock, Director, Protech Machinery Ltd



TH!NK PETROL - TH!NK REPOWER - TH!NK LONCIN

CG Plant, based in Lincolnshire, specialists in new and used construction equipment have been appointed a Loncin dealer supplying engines, generators and pumps.

The company is using Loncin engines to repower a wide range of the equipment that they offer including mixers, vibration plates and compacting equipment.

The Loncin engine series offers a cost effective option for the repower market. Many customers are now choosing to extend the life of their existing equipment by refurbishing machines and replacing the old engine offering significant savings against the purchase of a new machine.



KAWASAKI HAS THE POWER TO HANDLE ALL-TERRAIN

A Kawasaki engine is working alongside an electric motor to provide the hybrid power for an all-new, remote controlled, steep terrain mower.

Launched by Loxston Ground Care, a family company based in Somerset, the Hybot is an innovative and highly effective multi-terrain mower that can mow in awkward locations and on steep slopes, providing safe and easy access to areas that other mowers would find it difficult to reach. It achieves this through an easy-to-use, specially designed remote control system that allows the Hybot to be operated from a safe and practical distance.

Hybot is a true hybrid. It is powered by four, high-torque, 48 volt, 3-phase, brushless electric motors that allow the machine to operate at speeds of up to 6mph, with a 18.hp, 4-stroke, Kawasaki twin cylinder petrol engine driving the three rotary cutting blades that provide it with a mowing width of 96cm (36inches).

While in operation, the air-cooled, FS600V-ES Kawasaki petrol engine recharges the on-board hybrid system, storing the surplus energy until it is needed. This means that the Hybot can be moved without starting the engine, and, therefore, less effort is required when the machine is in use. These features result in fuel savings and fewer emissions.

Its low centre of gravity, and high grip, 8-wheel drive system, provides Hybot with exceptional stability, features that enable it to work at an angle of up to 50 degrees. Weighing just 250kgs, it is the lightest machine of its kind giving it the ability to climb banks and inclines like no other machine can.

Other features that add to the Hybot's environmental credentials include its low ground impact qualities. The machine is just as effective travelling backwards as it is forwards, and there is no need to turn the machine at the end of a run that reduces the potential of scuffing or tearing the ground.

"There was huge interest in the Hybot at Saltex last year with very positive reactions, particularly as it is the only 8 wheel drive machine on the market using Hybrid technology and drive to all 8 wheels. After considerable research and testing we chose Kawasaki over other engine options due to its performance on sloping terrain, torque and power curve plus an excellent history of quality and reliability," comments Peter Loxston, Managing Director, Loxston Ground Care.

Production of the Hybot is scheduled for early 2015.



LONCIN PUMPS OUT THE POWER

CBD Powerwashers Ltd, specialists in high-pressure cleaning systems and accessories for industrial and domestic use, are now using Loncin engines to power a number of their pressure washers.

Designed for use by general contractors, the hire market, and retail, the pressure washers are manufactured in CBD's purpose built facility, in Co. Tyrone, Northern Ireland.

With a large stock of spare parts, and on the premises repair and service, the company prides itself in a high standard of sales and after sales service.

There are three pressure washer models available, the G200F, capable of delivering 780 litres per hour at 150 bar (also available as electric start), and the G340F with a capability of pumping 900

litres per hour at 200 bar. In addition to the new machines, CBD also offers a Loncin repower option.

"Loncin engines give us the reliability and durability we need for our pressure washers and they are an extremely cost effective option. Barrus also offer a good range of spare parts that are readily available which helps us achieve and maintain our high levels of service," comments Patrick Quinn, Managing Director, CBD Powerwashers Ltd.





BATEMAN RELIES ON JOHN DEERE'S LATEST TECHNOLOGY

Bateman Engineering Ltd, are long-standing customers of Barrus using John Deere industrial engines to power machines from their range of agricultural crop sprayers.

Bateman's philosophy has always been to produce machines that are ahead of their time creating a benchmark for the industry which is why they have relied on the engine technology chosen by John Deere to meet, and exceed the latest emissions.

The innovative, Bateman Sprayer RB range has been designed and manufactured to the highest standards for use by arable farmers and vegetable growers. The latest and the largest model, the RB55, features a 5,000 litre stainless steel tank and a 24-42 metre, variable geometry (VG) boom, a steel construction making it strong, stable and lightweight for exceptional spraying rates.

The RB55 is powered by the latest John Deere Final Tier 4, PowerTech, 6068HFC09 engine. This 275hp, 6-cylinder water-cooled, turbocharged diesel features additional after treatment including an SCR (Selective Catalytic Reduction System) system plus associated operational equipment including the addition of an Ad-Blu tank and monitoring system. This package offered Bateman the enhanced performance, emission compliance and fuel economy that they required.

Two prototype machines were produced, and Barrus application engineers also assisted Bateman with their development work associated with the incorporation of the John Deere engine into the RB55.

The RB55 is now in full production with Bateman taking delivery of a total of 7 engines. The machine is proving to be very popular, and Bateman has already received several orders including forward orders for 2015.





NEW FINAL TIER 4 COMPLIANT YANMAR L-SERIES

The new, Final Tier 4 compliant, Yanmar L100 engine has been introduced by Yanmar and is currently completing testing and validation.

Key features of the L70 and L100 include:

- Increased power
- Minimal or no physical size increase
- Drop-in replacement for most Interim Tier 4 L-Series models
- Variable & fixed speed models will be available
- DOC fitted integral with the exhaust system

The L100, from Yanmar's popular L-Series engine range, along with the L70 meet the Final Tier 4 emission regulations. These engines are feature packed offering customers the best value in the industry. They offer the ideal power solution for heavy-duty ground care and forestry applications.

"The L-Series has been a leader in the single cylinder, air-cooled diesel engine market, and we are excited to be able to continue to supply our customers with the option of L-Series models that meet the EPA's Final Tier 4 regulations whilst still maintaining its easy to service features," comments John Day, General Manager of the Industrial Division, E. P. Barrus Ltd.

The Final Tier 4 compliant L-Series is scheduled to be available in the first quarter of 2015.

KAWASAKI FOR POWER AND PERFORMANCE

The Cubb Weed Brush, powered by a Kawasaki engine, takes the hard work out of cleaning up patios, drives and pathways.

Designed and built by Anthony Colins Ltd based in Bolton, Lancashire, the machine is fitted with an air-cooled, 4-stroke, vertical shaft, Kawasaki FJ180V-M69 engine which features cast iron cylinder liners and a high performance lubrication system. Unique features of the FJ range include an internally vented carburettor plus a dual-element air filter.

The machine operates with a hard wearing steel brush that loosens and removes soil, moss and other material that retains moisture, which helps stop the development of returning growth.

Compact in design, the Cubb Weed Brush is narrow enough to sweep in confined areas that are inaccessible to larger machines making it suitable for both commercial and domestic use.

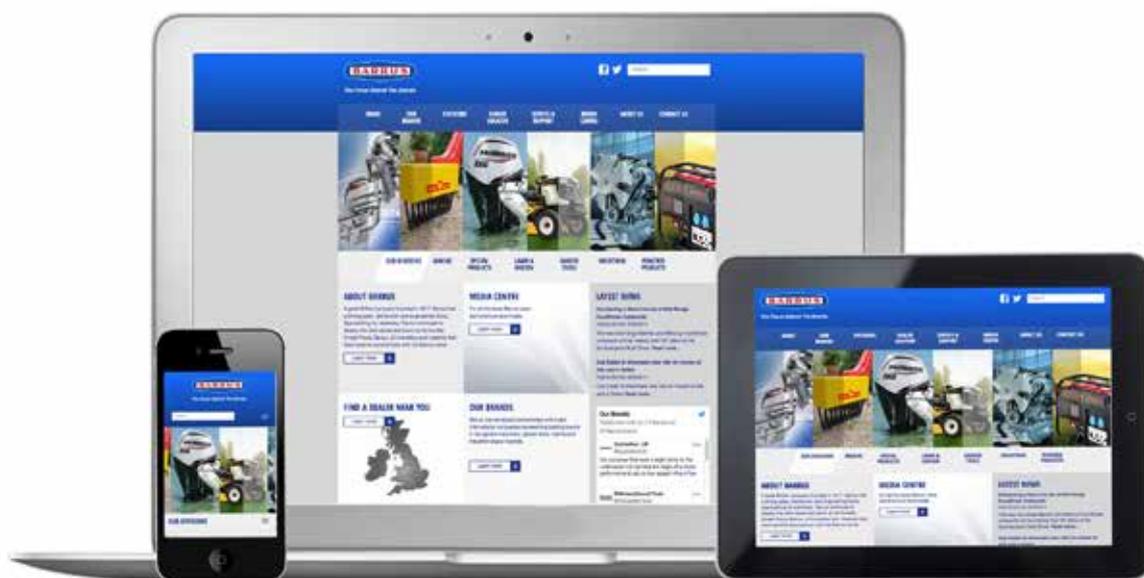
Easy to use and manoeuvre, with a hydraulic forward and reverse rotary

brush, the machine is also economical to run. Environmentally friendly, the machine does not need water or harsh chemicals.

"We worked closely with the Industrial Division at Barrus to determine the correct engine choice, and the Kawasaki engine provided us with the ideal solution to providing both the power and performance required for our new Cubb Weed Brush. The machine was launched at Saltex in 2014, and we have received very positive customer feedback," comments Colin Ferguson, Managing Director, Anthony Colins Ltd.



BARRUS LAUNCH NEW, FULLY RESPONSIVE CORPORATE WEBSITE



www.barrus.co.uk

E. P. Barrus Ltd has launched its new, corporate website, which is fully responsive with enhanced functionality, navigation and design features.

The design structure and layout clearly show the content and features of the whole site and highlights the diverse market sectors that Barrus operates in; garden, marine and industrial. There are over 30 brand landing pages and micro sites showcasing the impressive portfolio of leading brands including Mariner outboards, Cub Cadet Garden machinery, WOLF-Garten and Wilkinson Sword garden tools, Yanmar and John Deere marine and industrial engines.

The website has a user-friendly and coherent navigation system that guides users to their destination simply and quickly. There are also links through to Barrus's other information and E-commerce sites including www.cubcadet.co.uk, www.lawnflite.co.uk, www.wolfgarten-tools.co.uk and www.wilkinsonsword-tools.co.uk.

The central dealer locator utilises google maps providing access to over 3000 Barrus authorised dealers and stockists searchable by brand, location

and the services offered. Accessing downloadable information features predominantly throughout the site both on the brand landing pages and the micro sites via the Media Centres.

A brand new, dedicated 'Careers at Barrus' section demonstrates the company's commitment to attracting talented people to work within in a fast-paced environment and focuses on the importance of student and apprentice opportunities.

Live twitter feeds to the homepage, and the brand pages allow Barrus to share, listen and engage with followers, customers and the online community as a whole enabling the company to maintain and build brand awareness.

"The new, Barrus responsive website now gives us visibility across all devices and is the ideal platform to move our digital presence forward," comments Jenny McNicholl, Digital Marketing Executive, E. P. Barrus Ltd.

"All aspects of the new, user-friendly website supports Barrus's mission to exceed customer expectations and to differentiate the company from the competition," concludes Tim Hart, Director Sales & Marketing, E. P. Barrus Ltd.

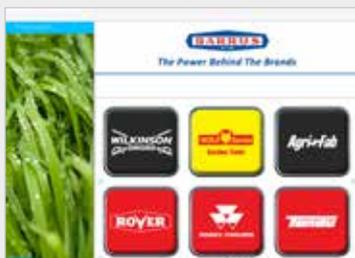
NEW APP IMPROVES CUSTOMER SERVICE

PixSell for the iPad is an easy to use catalogue and ordering app for sales personnel.

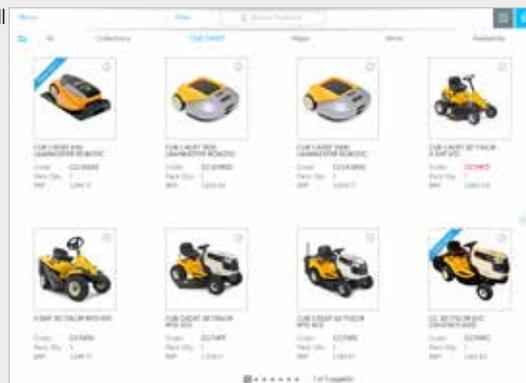
Barrus has been working with Aspin Management for over 12 months, a software supplier who provides sales order processing focussed business applications, and launched PixSell during 2014.

PixSell has initially developed the app for the Garden Division Sales Teams to enable them to place orders electronically, saving time, duplication of work and improving efficiency.

The system provides the sales team with all the product information, stock figures and customer account information that they require to achieve high levels of customer service.



Phil Noble, Area Sales Manager for the Garden Division, explains how PixSell has benefited the sales team, "In the field, PixSell enables us to take and process orders 24/7, particularly out of hours. We have greater visibility of customer accounts, and we can see order history that is particularly useful when entering multiple lines for WOLF-Garten and Wilkinson Sword. Phil concludes, "PixSell has proved to be a valuable and essential tool improving our efficiency, and more importantly we can provide a much-improved service to our customers."



A REWARDING PLACE TO WORK

The annual Barrus Long Service Award Scheme was introduced to recognise the dedication, commitment and loyal service of Barrus employees for five, ten, fifteen and twenty-one years of continuous service.

The awards take place at the end of the year, and in December last year, five employees achieved the milestone of twenty-one year's service. Currently, there are 19 members of staff that have been with the company for over twenty-one years - an impressive 12% of the workforce!

Commenting on the importance of the awards, Robert Muir, Managing Director, E. P. Barrus Ltd said, "Barrus's ongoing success

relies on retaining the best people and we value the contribution our employees make to the business which is why we celebrate their achievements."



Mr and Mrs Robert Glen presenting the Long Service Awards 2014 to the 21 Club!
Pictured from left to right: Nick Hills, Kate Day, Pep Glen, Mark Coleman, Robert Glen, Mary Preen, Teresa O'Rouke

MICK KITCHING AWARD BARRUS APPRENTICE OF THE YEAR

A very special award was presented for the first time at the end of 2014 - the Mick Kitching Award for Barrus Apprentice of the Year.

Mick Kitching, who sadly passed away in 2014, had been a Barrus employee for 13 years, working as Marine Workshop Chargehand. Even after his retirement in 2004, Mick would often pop in to visit his friends and colleagues and was keen to maintain his association with Barrus. One of Mick's wishes was to donate the retiring collection to create a fund in his memory to support, reward and motivate Barrus production apprentices in the present and in the future.

The 2014 Mick Kitching Award was presented to Carl Marchant for his exceptional engineering contribution and commitment. Delighted to be the first recipient of the award, Carl commented, "I am very proud to receive this award and I would like to thank Mick Kitching and his family for their very kind and generous support."



Mick Kitching's daughters Amanda Kitching and Hayley Greer present the first Mick Kitching Award to Barrus apprentice, Carl Marchant.

BARRUS SUPPORT LOCAL EXPLORER SEA SCOUT UNIT

When the newly formed Bicester Explorer Sea Scout Unit needed an outboard engine for their safety boat, they turned to Barrus for help. A 6hp Mariner outboard is now powering Thunderbird 2.

The Bicester based Explorer Sea Scout Unit named 'Dreadnought', after the famous battleship, HMS Dreadnought, has 16 explorer members aged between 14 and 18 years old. Sea scouting is the branch of the scouting movement that specialises in water activities. Although most scouts have the opportunity for boating activities, such as sailing and canoeing, the Sea Scout programme also incorporates many aspects of naval and nautical traditions.

In their first year, the Dreadnought unit were involved in many exciting adventures including, a fire and ice camp in January, a sailing regatta camp at Dorchester upon Thames sailing club, a RYA camp and they sailed around the Solent aboard a chartered Thames sailing barge for a week. Barrus also hosted a boat mechanics course for the unit last autumn.

Hannah Buckley from the Dreadnought unit comments, "We love our sailing and other water activities and many of our summer 2014 activities would not have been possible without the kind support of Barrus. We certainly would not have been able to sail independently throughout the sailing season."



BARRUS FUN DAY!

It is not all work and no play at Barrus!

The company came together in the summer last year to enjoy a fun filled day hosted by the Great Moor Sailing Club at nearby Grebe Lake, near Calvert, Buckinghamshire.

Great Moor Sailing Club is a friendly, family orientated sailing and windsurfing club that offers dinghy sailing, sail-boarding, fishing, scuba diving and canoeing. Barrus has supplied the club with a Mariner 15hp, 2-stroke engine on loan.

There were water-based activities for all ages to get involved in, including sailing, exciting rides in a powerboat, an inflatable sofa and ringo's for the more adventurous and a bouncy castle and giant garden games providing the fun on shore. Plus a tasty hog roast and a plentiful supply of ice creams.

"As a family we had a fantastic day; it was a great opportunity for my wife and children to enjoy themselves by getting on the water and seeing what I do at work!" -

Graeme Aldridge, Research & Development Engineer

"I think the Barrus fun day was a chance to meet new people and to relax. I liked the idea of camping, fun activities and the great choice of venue.

The best part was the water sports! We were taught how to sail a boat and learnt how to turn the sail. The we got to go on a massive black RIB which sped us across the lake!!

I can't wait for the next one!!" -

Georgia Mann, daughter of Paul Mann, Spare Parts Co-ordinator

No pressure Barrus Social Committee!



BICESTER HUNT COMES TO BARRUS



Barrus were pleased to host the last meeting of the 2014/15 season of The Bicester Hunt with Whaddon Chase (BHWC), and to celebrate the retirement of Patrick Martin, one of the most respected huntsmen in the country.

A large gathering, both mounted and on foot assembled at Barrus's Bicester Head Office at the end of February. Barrus has close ties with the BHWC, and Patrick has been involved in evaluating many Barrus products over the years offering advice as to their suitability for hunts throughout the UK. The Cub Cadet utility vehicle was found to be extremely versatile and economical, and the Cub Cadet 700 Series garden tractor has helped to

keep the grass at the Stratton Audley yard looking good.

During a presentation to Patrick Martin, Robert Glen, Chairman, E. P. Barrus Ltd, commented, "Barrus is proud of the association with the Bicester Hunt and we are pleased to have the opportunity to pay tribute to Patrick for his dedication and professionalism during 37 years in hunt service."

"I would like to express my grateful thanks to everyone at Barrus for giving me, and my beloved hounds such a warm reception in Bicester," commented Patrick.



KEEP IN TOUCH!

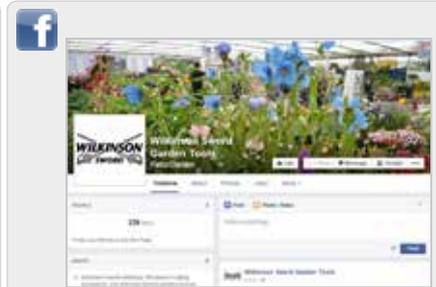
For regular product information and useful advice and tips why don't you follow us on Facebook and Twitter? Watch out for promotions and competitions throughout the year.



Wolf-Garten Garden Tools



@WGGardenTools



Wilkinson Sword Garden Tools



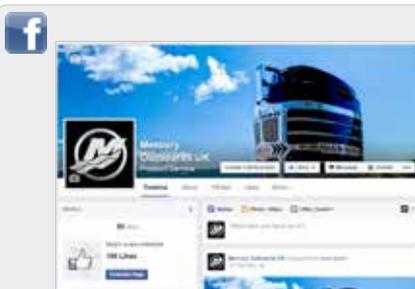
@WSGardenTools



Mariner Outboards UK



@Mariner_UK



Mercury Outboards UK



@MercuryEngines



Quicksilver Boats



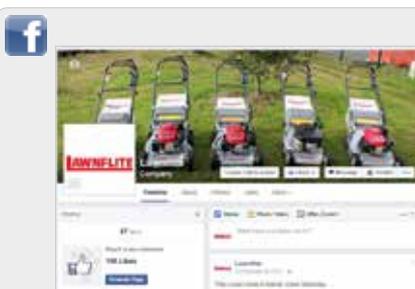
@QuicksilverUK



Cub Cadet



@CubCadet_UK



Lawnflite



@Lawnflite_UK



Loncin



@Loncin_UK

Barrus Show Planner 2015

Come and see us at the many shows and exhibitions we attend throughout the year.

Check out the Events Calendar at www.barrus.co.uk plus Facebook and Twitter for the latest information on forthcoming events.



Edible Garden Show
Alexandra Palace,
London
20th - 22nd March



Poole Harbour Boat Show
9th - 10th May 2015
Poole Quay Boat Haven,
Dorset
9th - 10th May



Crick Boat Show
23rd - 25th May
Crick,
Northampton



PlantWorx
2nd - 4th June
Bruntingthorpe,
Leicestershire



BBC Gardeners' World Live
11th - 14th June
NEC,
Birmingham



Seawork
16th - 18th June
Canary Islands Fruit Terminal,
Southampton



RHS Hampton Court Flower Show
30th June - 5th July
Hampton Court Palace,
Surrey



WI Centennial Fair
3rd - 6th September
Harrogate International Centre,
Harrogate



Southampton Boat Show
11th - 20th September
Mayflower Park,
Southampton



Glee
13th - 15th September
NEC,
Birmingham



DSEI
15th - 18th September
ExCel,
London



The Emergency Services Show
23rd - 24th September
NEC,
Birmingham



The Showman's Show
21st - 22nd October
Newbury Showground,
Newbury



Marine Equipment Trade Show
17th - 19th November
Amsterdam,
Netherlands

We look forward to seeing you.



Should you require further information on any of the items featured in this issue of The Innovator, please contact Karen Clarke.

E. P. Barrus Ltd, Glen Way, Launton Road, Bicester, Oxfordshire, OX26 4UR
Telephone: 01869 363659 E-mail: customerservices@barrus.co.uk