



CUSTOM DIVISION

 **BRUNTONS**  
AUTOPROP

 **BRUNTONS**  
VARIFOLD

 **BRUNTONS**  
FIXED

 **BRUNTONS**  
STERNGEAR

## History



Bruntons, and the group to which it belongs, have manufactured propellers for over 170 years, since propellers were first used in marine vessels. Today, our experience and knowledge, are allied to what are probably the most advanced research and design facilities in the world. This enables us to provide a total propulsion solution for virtually any type of vessel from the smallest to the largest, from the most basic design to the most high tech.

Our new custom division for yachts provides a service which has long been available to navies, customs organisations and ship operators around the world: namely an ability to provide the most efficient propeller and stern gear package for any given installation, whatever the requirements.

Unlike many propeller suppliers, we design and manufacture all of our products ourselves placing us in an unrivalled position to ensure that yacht designers and builders get firstly, the best advice and all importantly the best product. Fixed, folding or feathering units, designed for a specific installation to provide the very best performance, are all produced by our own factories.

## Services

So many factors are involved in the design of a vessels propulsion system that finding the right solution "off the shelf" using a standard propeller often results in poor performance. By working from the start of design with the builder or naval architect we can develop exactly the right propeller to ensure that the highest levels of performance are matched with lowest possible noise and vibration measurements.



Our service is not restricted to the propeller. Although happy to provide individual components, we believe the best results are obtained with a complete, fully integrated stern gear package covering every item from the gearbox to the propeller cone. With each item in the package carefully designed, balanced, and working as a single unit, owners can expect the highest levels of efficiency and vibration free operation. Whatever the type of propeller, fixed, folding, feathering or surface drive or it's installation you can be sure that by purchasing through our custom division every aspect of the power unit will have been closely examined, and the resulting propeller designed and built to provide the best possible performance for the application.

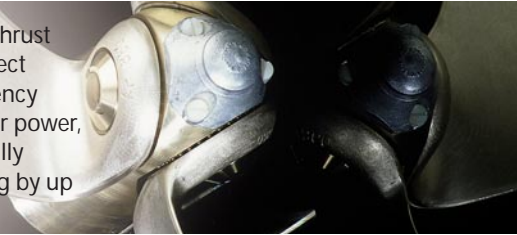
A retro design and build service is also available for those having problems with existing propellers or where re-engineering requires a propeller change.



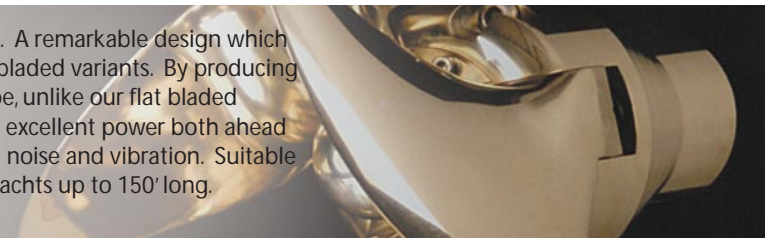
Full details of our designs are available on separate brochures, but briefly they are:-



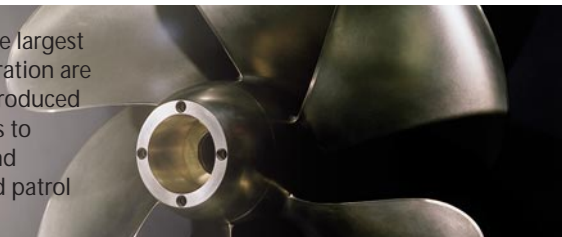
AUTOPROPS (feathering propellers). Supplying equal thrust ahead and astern, this design always provides the correct pitch automatically. The result, better propulsion efficiency when motor sailing and better fuel consumption under power, plus greater control going astern as prop walk is virtually eliminated. When feathered, the propeller reduces drag by up to 85%. Suitable for cruising and cruiser racing yachts.



VARIFOLD (folding propellers). A remarkable design which is now available in 2, 3, and 4 bladed variants. By producing a product which has real shape, unlike our flat bladed competitors, Varifold provides excellent power both ahead and astern with the minimum noise and vibration. Suitable for racing and cruiser racing yachts up to 150' long.



FIXED PROPELLERS. Suitable for the smallest to the largest vessels where high performance and smooth operation are a pre-requisite. Custom designed propellers are produced with special pitch distributions and section shapes to maximise speed with minimum noise, vibration and cavitation. Typical applications include high speed patrol craft, luxury yachts and fast ferries.



STERNGEAR. The optimum propeller deserves the ultimate sterngear package ensuring that all sterngear components are designed, manufactured and assembled to provide the best possible performance using any measure. Our naval architects and engineers work closely with the clients to provide a fully integrated solution.





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