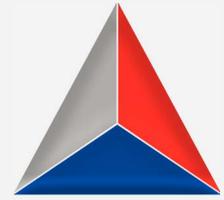


KEELS



AGP

ENGINEERS OF EXCELLENCE

ENGINEERS OF EXCELLENCE

208 Beach Road, Private Bag, Thames
3540, New Zealand

Mob: +64 27 544 6780 info@agprice.co.nz

Ph: +64 7 868 6060 www.agprice.co.nz



Leading the Field in Advanced Keel Manufacture



Right: Another high-performance A&G Price keel is launched

Below: An engineer assembles A&G Price's innovative two-piece daggerboard keel

Yacht racing doesn't get any more high-tech than the prestigious America's Cup. And since 1991 New Zealand foundry A&G Price Ltd has been chosen by discerning racing syndicates as a preferred supplier of high-performance fins and bulbs for some of the fastest yachts in the world.

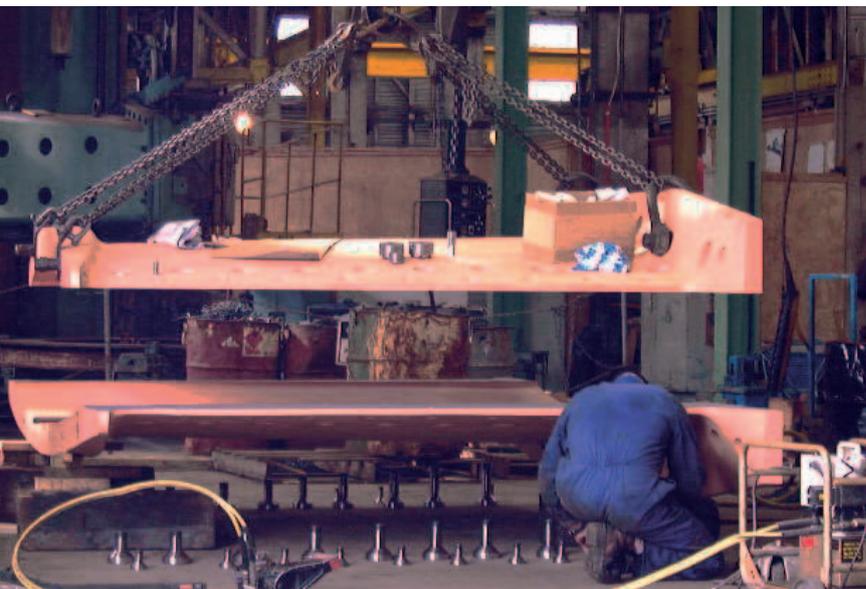
A&G Price has supplied advanced keel solutions to many America's Cup campaigns, including the winners of at least three previous Cups, as well as Whitbread / Volvo round-the-world races and Grand Prix programmes.

Thanks to the company's unrivaled technical expertise and unwavering commitment to quality, A&G Price has also made its mark elsewhere. Working closely with leading yacht designers and marine industry specialists, it has developed a reputation for excellence in designing and manufacturing custom-built keels, bulbs and stabilisers for everything from super-yachts to frigates.

A&G Price's designers, engineers, metallurgists, foundry technicians and fabricators harness the latest technology to work with a range of metals including high tensile stainless steel, alloy steel and SG iron castings. Thanks to a Zayer 10m CNC milling machine and a Johnford DMC 6000 five-face machining centre, we are able to machine large keels to a high level of precision.

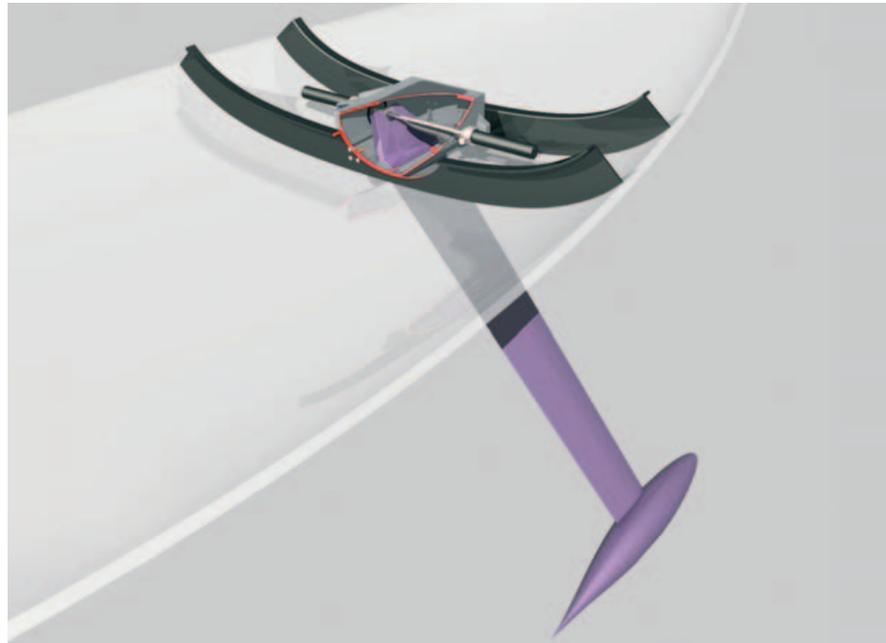
One of the company's more technically challenging jobs was to manufacture the fin for the award-winning super-yacht Silvertip — a 33.8m Dubois-designed sloop built by New Zealand Yachting Developments.

The design called for a hollow central core running through Silvertip's 18,540kg bulb and 11,460kg fin to house a carbon daggerboard. Difficulties in accessing the narrow central



cavity were overcome by A&G Price's engineers, who devised the innovative solution of splitting the keel vertically. The split design eliminated the need for an additional corebox, allowed access for dressing the daggerboard slot and reduced the overall cast mass.

As a combined foundry and engineering works, A&G Price is able to supply a complete 'bolts-to-bulb' package to any given specifications. The new systems incorporate bolt, weld or glass-in solutions tailored to a vessel's construction.



For ease of handling, the company has developed a shipping method that utilises existing flat rack technology. The flat rack technology enables individual components to be positioned on the rack in such a way that each component can be removed with either overhead gantry, crane or travel lift. To simplify installation each system is pre assembled at the factory before shipping.

A&G Price brings to the market over 150 years of casting and machining experience and an unsurpassed reputation for innovation, quality and customer focus. From split casting to lifting and canting keels, the company's commitment to engineering excellence is winning new customers around the world.

Left: A newly cast keel being machined

Bottom Left: A cast lead bulb en-route to the machine shop

Capabilities Offered

Project Management
Engineering Design
3D Models and manufacturing drawings
Highly skilled workforce
Flexible hours and shift work
Telarc ISO 9001
SM2 qualified NDT Technicians

Foundry and metallurgical facility

- Cast iron
- Spheroidal Graphite (SG) iron
- Steel
- Stainless Steel
- Nonferrous
- Heat Treatment Facility

Fabrication shop

- Plate rolling 25mm x 3000 wide
- Pressing
- Guillotine 25mm x 3000 wide
- CNC Plasma Oxy acetylene plate cutting
- Sub Arc, MMA, MIG, Flux cored and TIG welding

Machine Shop

- Turning capacity to Ø6.3 meters x 40 tonne
- Milling capacity to 8 meters single set
- Multi pallet work centres
- Surface grinding
- Gear cutting
- Line boring

Fitting shop for machinery overhaul and assembly Sandblasting and paint shop

Industries where we have expertise include

- Forestry
- Defence
- Steel smelters
- Aquaculture
- Keels
- Sculptures
- Recycling
- Pulp & paper
- Rail
- Cement
- Agriculture
- Manufacturing
- Sugar
- Rendering
- Marine
- Fertiliser & Lime
- Mining & Quarrying
- Aluminium Smelters
- Wind electrical generation
- Hydro electrical generation
- Historic replication



A&G Price Ltd
208 Beach Road, Private Bag, Thames
3540, New Zealand
Ph: +64 7 868 6060 Fax: +64 7 868 6071
Email: sales@agprice.co.nz

