Shipyard invest in 'giant' machining centre

For over four decades, Belotti **[Stand W162]** has been one of the international leaders in the design and manufacturing of 3- and 5-axis CNC machining centres for milling and trimming of composite materials, light alloys and plastics. The extensive Belotti range is available in the UK from Cannon Shelley.

With the inauguration of the new Lavrio production site, Technohull, the Greek builder of high-end boats and dinghies, has completed one of the largest investments ever made in the nautical sector in Greece and one of the most important internationally.

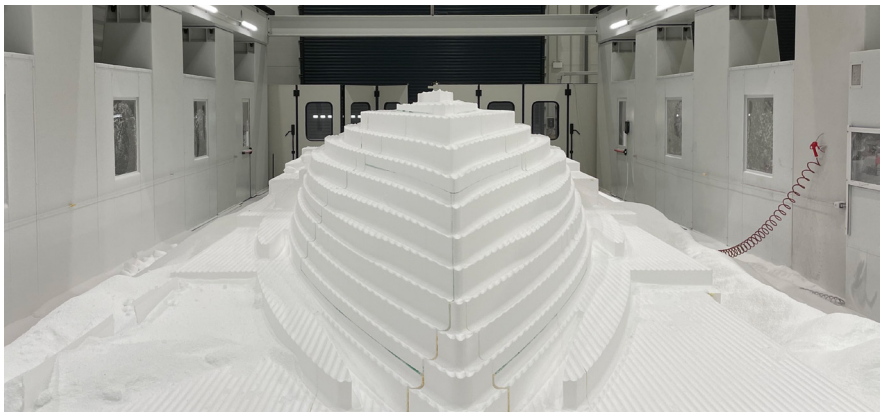
The company's site covers 12,000 m² dedicated to a fully integrated vertical production, where expertise and cutting-edge technology meet craftsmanship of the highest standard. The new facility will manage all the elements of the production process: from concept development, design and prototyping to final production, engineering and set-up.

The production site is now equipped with a highly efficient production plant ready to work at full capacity to build high performance luxury boats and has the most advanced infrastructure to ensure the highest quality of construction and guarantee the feasibility of the most ambitious projects.

Belotti played an active role in the realisation of this project through the supply of a giant machine: a Belotti Navy 20062 5-axis machining centre with axis travels of 20 m x 8 m x 7 m with a Z-axis machining capacity of 3,500 mm designed to satisfy all in-house prototyping processes.

"Investing in an in-house prototyping unit was part of Technohull's strategic plan to develop a fully integrated state-of-the-art production facility to support our plans," says CEO Gerasimos Petratos.

"Having thoroughly researched the options available, we chose the Belotti Navy for its high-quality units, as well as its responsiveness and premium after sales service reputation. Having a very close co-operation for just over a year now, we are already exploring ways to further strengthen our working partnership, discussing about other advanced technology tools, such as large scale 3D printing units and smaller multi axis machines, that are indispensable tools for any contemporary shipyard."



Belotti Navy Series CNC machining centres are designed to meet the requirements of shipyards and other sectors requiring large parts. The wide range of models in terms of dimensions and configurations allows customers to process both the models and the final structural parts of a medium-size boat for example: from cutting resin models up to trimming fiberglass hulls and other high resistance composite materials.

By using this advanced and multifunctional machining centre, customers can obtain the maximum flexibility, being able to perform any type of modelling and trimming operations on hulls, decks and components without distinction.

The Belotti Navy 20062 centre at the Lavrio production site is a high speed machining centre with 5 simultaneous axes, featuring a motorised suspended bridge structure sliding on the two side rails, made of very thick welded heat treated steel which ensures long-term stability and greater machining accuracy.

The machining centre has been equipped with a performance head with a 15 kW electrospindle at 12,000 rpm, providing high-speed milling on materials used in the marine industry such as polystyrene, polyurethane foams and epoxy paste.

Visitors to the Advanced Engineering show can speak to the machining experts from Cannon Shelley on the Belotti stand.

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