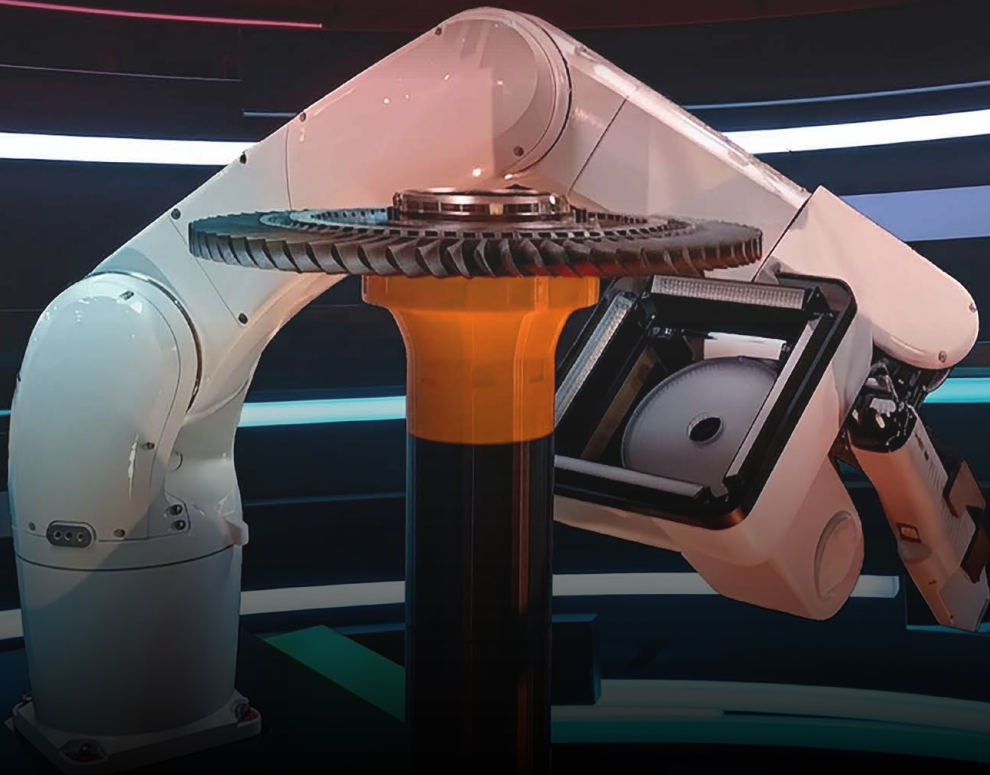


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Machining

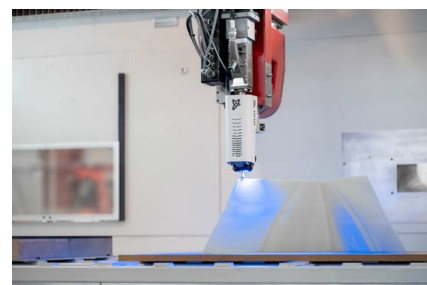
- R&D workhorse leads to further investment
- Powering Precision

Tooling

- From Valve Seats to Raptors
- Advanced Inventory Management

Hybrid platform you can count on

News



Belotti and Moi Composites have established a strategic collaboration that integrates Short Fiber Manufacturing (SFM) additive technology into Belotti CNC machining centres. The partnership gives rise to a new range of hybrid platforms capable of combining, within a single environment, Large Format Additive Manufacturing processes for thermoset-matrix composites with high-precision CNC subtractive machining.

Thanks to this collaboration, the entire range of Belotti gantry CNC machining centres can natively integrate Moi Composites' technological solutions, making additive manufacturing of thermoset composites an integral part of Belotti CNC platforms.

The integration is also available as a retrofitting option on Belotti machining centres already in operation, enabling customers to upgrade existing technological assets and enhance the value of previous investments.

The first integration package is based on Moi Composites' Short Fiber Manufacturing (SFM) technology, which uses a range of specially formulated, photopolymerisable composite materials based on vinyl ester resins reinforced with short fibres, with a filler content of up to 45% by mass. The SFM process operates without heat: the material is deposited at speeds up to 400 mm/s and in-situ polymerised through UV

polymerisation. Once consolidated, the composite behaves as a rigid and stable substrate, allowing high-speed machining operations and achieving excellent surface-finish quality during milling. The cold manufacturing process, without post-curing stages, contributes to faster production cycles and improved efficiency on the overall machine energy consumption.

The nature of the material and process also enables great operational flexibility: production can be paused and resumed at a later time, or enriched with new layers and functionalities on already-built surfaces.

From an application standpoint, components produced using SFM additive technology stand out for their high dimensional stability and thermal and chemical resistance, making them particularly suitable for the production of moulds, tooling, and finished parts across multiple industries, including aerospace, marine, energy, and automotive.

The 'Belotti Powered by Moi' production platform enables a fully digital workflow from CAD model to finished composite component, significantly reducing tooling complexity, lead times, and production constraints associated with traditional Large Format Additive Manufacturing (LFAM) technologies.

The manufacturing companies now have the option to integrate Moi Composites' technology across the entire Belotti range, transforming the machining centres into true hybrid additive and subtractive hubs

for the production of thermoset matrix composite components. Through this collaboration, Belotti and Moi Composites are not simply introducing a new technology, but a new way of conceiving composite manufacturing, addressing the need to reduce time-to-market, increase precision, and simplify production workflows towards digital, integrated, scalable, future-oriented manufacturing processes.

Live demonstrations for the marine industry

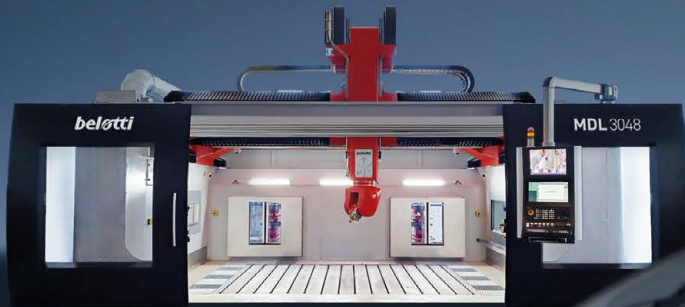
The new hybrid manufacturing platform 'Belotti Powered by Moi' was officially unveiled at JEC World in Paris during March 2026, attracting the interest of numerous visitors and companies of the composite community.

A special 'Belotti Tech Day' event showcasing its potential through live demonstrations and applications in the marine sector is scheduled for 8 July, at the Belotti Innovation HUB in Modena, Italy.

During the event, attendees will have the opportunity to experience the complete hybrid workflow firsthand while discovering more about the materials and detailed process explanation. Visitors will also be able to see a selection of products showcasing the flexibility and industrial potential of the new collaborative platform.

www.belotti.com/en/belotti-powered-by-moi
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