

M&MT

September 2018

Materials & Manufacturing Technologies



HVM Catapult takes Paralympic athlete to the slopes

Machining

- Transporting the masses
- Wheel out the best

Testing

- A measure of success
- Projecting quality



Transporting THE MASSES

Wrightbus designs and manufactures buses for the European market, including the United Kingdom and Republic of Ireland. Operating from a dedicated 4,800 m² production facility in Galgorm, Northern Ireland, Wright Composites is a specialist company working on one of Europe's emerging automotive brands employing around 180 staff.

The company's product range covers all segments of the market from small and mid-sized buses to full-size single deckers, double deckers and articulated buses and Bus Rapid Transit. Capable of producing all of its vehicles with either Euro 6 diesel or alternative drivelines, including hybrid-electric, plug-in electric and induction power transfer, the business is leading the way in the application of lightweight materials.

A division of the business, Wright Composites, is regarded as one of Europe's leading composite manufacturers, creating quality polymer products, delivering bespoke products to every sector of the composites industry.

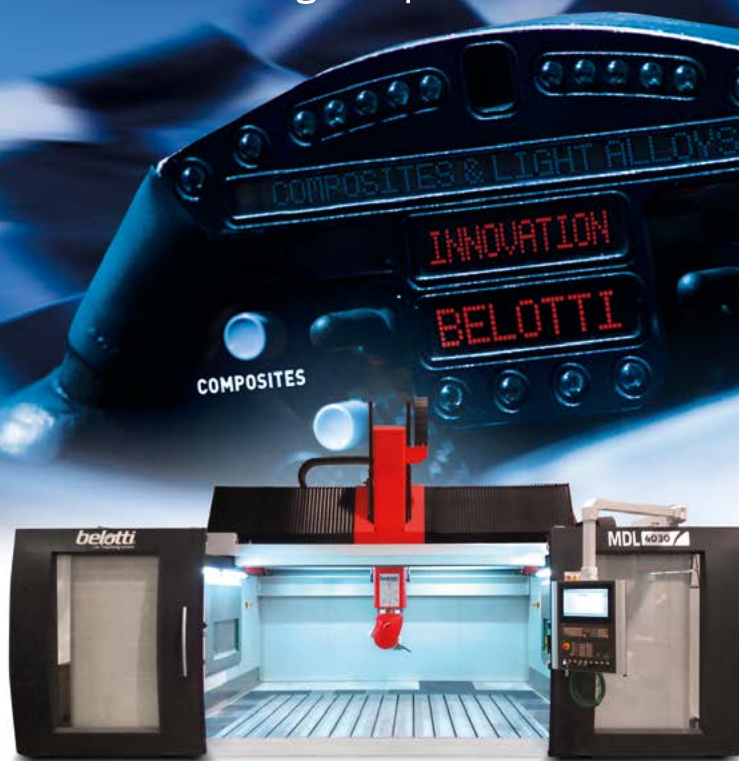
The company recently invested in a new Belotti 5-axis CNC machining centre, a Belotti Navy 6062 machining centre that is currently one of the largest 5-axis machining centres in Northern Ireland dedicated to pattern making and boasts a machining volume of 6 x 6.2 x 2 m in X, Y and Z axis respectively. Supported by advanced CAD/CAM software, its engineers can work from customer designs and 3D models to produce large, complex shapes to tolerances of under 0.05 mm.

With the ability to manufacture to exact customer specifications, staff can also advise on a range of materials and processes to specific applications. Manufacturing Glass Reinforced Plastic (GRP), Fibre Reinforced Plastic (FRP) and Structural Composites and delivering bespoke manufacturing solutions to every industry sector including; engineering, haulage, transportation, agricultural, creative industries, automotive, manufacturing, construction, commercial and architectural.

Used to support various open and closed mould technologies for composite manufacturing the new Belotti Navy 6062 has been specified to meet the varied demands of customer applications, including a motorised upper roof allowing easy access when loading/unloading heavy fixtures, motorised suction hood and a ground dust suction system for the extremely effective removal of dust and chips. With subsequent processes such as chopped spray-up, hand lamination, light resin transfer moulding, silicone bag moulding and structural infusion used to create finished components.

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Passion for great performances has always driven us.



5 axis machining center
BELOTTI MDL 4030

- RELIABLE
- INNOVATIVE
- STRONG
- HIGH PRECISION & ACCURACY

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