

pmw



On a charge

With the e-powertrain revolution underway for road cars, how long will it be before touring car racing gets the tech?

What next for IndyCar?

It's a defining season for North America's premier open-wheel series, as a new aerokit aims to make the racing closer than ever



Change of pace

An exclusive insight into the challenges McLaren faced when swapping from Honda to Renault engines so close to season start

Interviewed

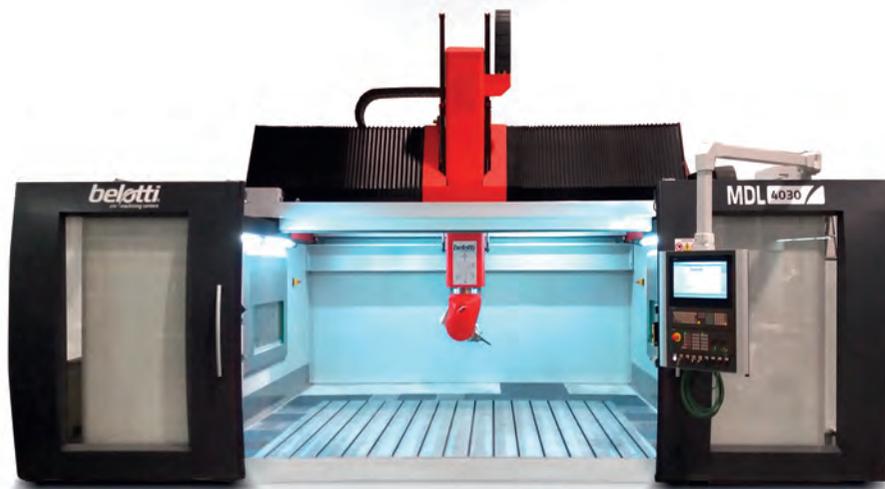
Andy Cowell

Managing director, Mercedes AMG

Turbo power

Huge changes are coming to Australian Supercars racing – fan favorite Holden is to run a redeveloped twin-turbo 3.6-liter V6

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COMPONENT MACHINING

Developed with a research-driven approach to technology, CNC machining centers ensure quality and reliability

Above: Belotti-developed CNC machining centers enable Dallara Compositi's component manufacture

Below: As well as five-axis machining technologies, Belotti offers prompt and reliable technical support

» Motorsport has always been a challenge, both on track and behind the scenes, for all involved. Strong competition requires the various stakeholders involved in manufacturing to seek both reliable suppliers as well as trustworthy partners, something that is essential to tackle daily business relationships within demanding, fast-paced markets.

For the past 40 years Belotti has ensured top quality and reliability, supplying automotive component manufacturers with five-axis CNC machining centers and technical support. Quality and reliability are key factors in highly competitive markets such as motorsport.

Camattini Meccanica, which rebranded as Dallara Compositi in February 2018, is renowned internationally within automotive component manufacturing and among the leading companies in the sector.

Following the purchase of a Belotti MDL 3048 S machining center, Davide Seletti, CEO of Dallara Compositi and engineer, explained that 40% of production is directed at motorsport, with a one-stop-shop approach. This means that in periods of high

demand, it is difficult for suppliers to meet customer needs within the required timeframe if the adequate internal resources are not available, something Dallara Compositi was keen to avoid.

"The increased production of both precision and large-sized components is the reason for choosing this machine – having the right-sized machine for the right product," said Seletti. "The machining center will be used throughout the production steps, from start to finish, ranging from model, mold and equipment machining to semi-finished component processing.

"The performance and the stiffness of the MDL Series match both racing and automotive frame products, whereas FLA Series – already in use in the company's production department – is ideal for subcomponents featuring higher production volumes. Even though they might overlap in certain cases, the machining centers are complementary and meet differing requirements. The FLA Series is perfect for the production of comparable components, whereas MDL is the right tool to explore the range of core vehicle components."



Since purchasing the FLA machining center the composite component supplier has put its trust in Belotti. With the original machine enabling more complex operations than expected, the component manufacturer took the next step and purchased the larger-sized machine in the range.

A key factor in the successful business relationship between the companies was Belotti's reliability and technical support service. If a machine fault occurs, a short lead time imposed by the motorsport industry means the company will remedy the problem promptly, especially in situations where numerous part production requirements are dealt with by various machines.

For Dallara Compositi, the installation of new equipment in its production facilities is vital, as this not only means improving capacity but being supported by reliable suppliers in developing and manufacturing components. Choosing a Belotti-developed MDL machining center perfectly meets this requirement – not merely through the purchase of equipment, but through the gained partnership with a trustworthy company. <

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