

YASA opens UK's first super factory dedicated to the production of axial-flux electric motors

Pioneering electric drive technology developer invests £12m to upgrade its production centre in Yarnton, near Oxford, UK

OXFORDSHIRE, UNITED KINGDOM, May 13, 2025 /EINPresswire.com/ -- □

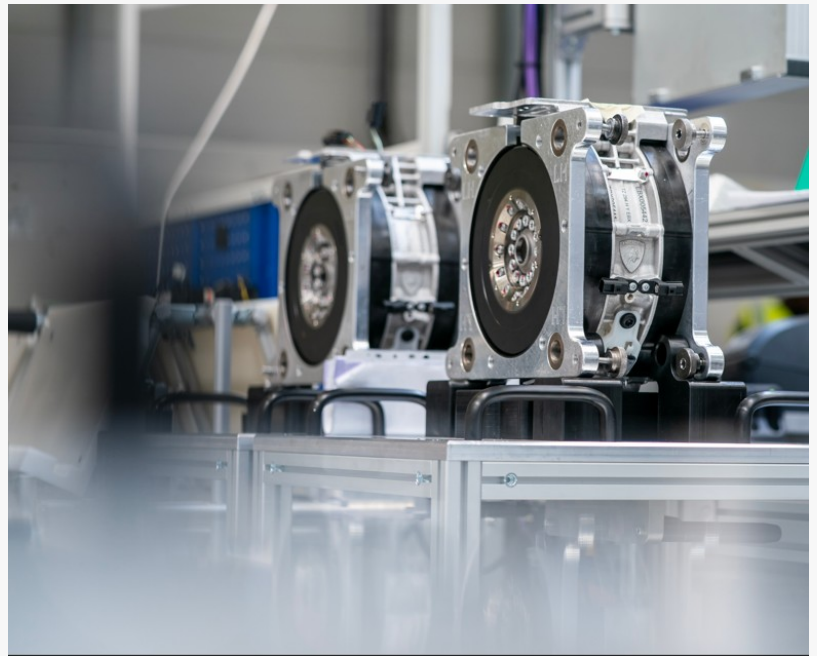
Revamped facility strengthens YASA's global leadership in the production of axial-flux electric motors

□ 60,000ft² centre incorporates cutting-edge manufacturing technologies designed specifically to meet YASA's high-quality and high-performance requirements

□ Facility revamp raises production capacity to 25,000 e-motor units per year, boosting YASA's ability to meet the needs of OEM hypercar customers, including Ferrari and Lamborghini

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YASA, the global leader in the design, development and supply of ultra-high-performance electric motors, has today opened its fully upgraded manufacturing facility in Yarnton, near Oxford. The £12m investment boosts YASA's manufacturing capacity, setting new benchmarks in e-motor technology and quality, and enabling production to scale beyond 25,000 units per year.

YASA continues to lead the way in transforming the performance of electric drive technology worldwide by advancing axial flux motor design, development and production for electric and hybrid vehicles that deliver up to four times greater performance than other electric motors on the road today. With the opening of the world's most advanced axial-flux electric motor manufacturing facility – and the UK's first axial-flux electric motor super factory – YASA is now

taking its operational strategy to the next level.

Tim Woolmer, YASA CTO and founder, commented:

“With a multi-million-pound investment into our Yarnton facility, we have transformed our manufacturing capability and significantly accelerated our production capacity. This latest initiative will enable us to apply our technology with even greater accuracy, pace and scale. Combined with YASA’s position as part of the Mercedes-Benz Group, the factory transformation consolidates YASA’s role as a global leader in developing high-performance, high-efficiency axial-flux e-motors.

“As a company, we have come a long way since our humble origin as an Oxford University start-up. However, we are still driven by the same passion, spirit and determination to create the world’s most advanced electric mobility technology solutions.”

The high-tech 60,000ft² YASA facility in Yarnton, near Oxford, incorporates cutting-edge manufacturing technologies designed specifically to meet YASA’s requirements. These include the addition of four new, uniquely constructed coil and bar manufacturing cells with state-of-the-art CNC coil winding, assembly and impregnation processes. New laser stripping and brazing, increased rotor balancing accuracy, new high-capacity ovens, stator laser welding and complete stator quality control, covering dimensional, electrical and leak testing.

The design of YASA’s new facility now brings all production processes under one roof. It also creates a seamless manufacturing ecosystem, with significantly enhanced automation and highly efficient production lines that adhere to intricate, ultra-quality-focused processes.



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These advances will enhance YASA's capability to create complete motor sets while improving repeatability and reliability and introducing even greater flexibility levels by overcoming bottlenecks in the component supply chain.

Richard Firmstone, Operations Director, said:

"We have transformed the manufacturing processes to enable an enhanced operating philosophy. Manufacturing in motor sets to optimise flow, improving safety, quality, and efficiency. Enabling full process and material traceability, creating full flexibility to mitigate risk and deal with fluctuations in customer demand effectively".

Andy North, YASA Commercial Director, added:

"Each of the numerous technical manufacturing advances we have implemented during the factory transformation consolidates YASA's ability to outpace and outperform all existing radial flux technology by delivering more compact, lightweight electric propulsion systems.

"YASA is now better placed to meet the needs of our OEM customers, such as Ferrari and Lamborghini, and new customers on a global scale than ever before."

YASA's longstanding relationship with the Advanced Propulsion Centre UK (APC) helped enable the original development of its Yarnton facility. While this latest high-tech expansion has been privately funded, YASA continues to work closely with the APC on future generations of axial flux technology, ensuring that cutting-edge electric motor innovation remains rooted in the UK for years to come.

Joerg Miska, CEO summed up YASA's direction:

"This vastly improved facility is another important step in YASA's ongoing strategy to further expand its product and customer portfolio. The new super factory delivers increased flexibility, efficiency, and quality, positioning the company for diverse business opportunities. Thanks to their ultra-compact design and exceptional torque and power, YASA motors are perfectly suited for high-performance hybrid vehicles and other fully electric applications across complementary sectors."

Ends.

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About YASA:

YASA, a wholly owned subsidiary of Mercedes-Benz Group since 2021, is redefining the future of Electric Vehicle performance. YASA design and manufacture high performance electric motors and power electronics for the premium automotive industry, employing over 400 people across sites in Oxford, Bicester and Welshpool. YASA's revolutionary axial-flux electric powertrain

technology brings the highest power/torque densities in class for the smallest size and weight.

Find out more at yasa.com

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