



HORSE BEGINS PRODUCTION OF POWERFUL AND EFFICIENT EMOTOR

- HORSE begins production of new compact eMotor at Aveiro facility in Portugal, designed for use in full hybrid and plug-in hybrid applications
- New eMotor delivers max power of 49kW and max torque of 212Nm, capable of powering vehicles at up to 130km/h in EV mode
- Four new production lines added at Aveiro allow construction of up to 160,000 units a year, including a three-head winding tool for faster and more accurate production
- HORSE is a division of Horse Powertrain, a global leader in hybrid and combustion powertrain solutions across 17 plants and 5 R&D centres

[HORSE](#), a leader in innovative and low emissions powertrain systems, has started production of its eMotor at its Aveiro facility in Portugal. The new radial flux eMotor uses the latest technology and materials to deliver exceptional performance and efficiency for next-generation plug-in and hybrid vehicles.

The eMotor is initially designed for use in hybrid powertrain architectures using HORSE's HR12, HR16 and HR18 internal combustion engines. Capable of being used in both full hybrid and plug-in hybrid applications, the eMotor delivers maximum power of 49kW and 212Nm of torque.

Patrice Haettel, Chief Executive Officer at HORSE, said: *"The start of eMotor production at Aveiro reinforces HORSE's commitment to delivering efficient powertrains using the latest technology. With its compact design, and the ability to work in 100% electric mode, this powerful and efficient motor is perfect for many types of hybrid vehicle. Once again, HORSE has demonstrated its credentials as the ideal partner for our customers on their ongoing electrification journeys."*

Featuring a compact design, the eMotor is mounted between the internal combustion engine and the transmission, delivering two driving modes: 100% electric and hybrid.

In electric mode, the eMotor drives the wheels directly at speeds of up to 130km/h. In hybrid mode, the eMotor assists the internal combustion engine to deliver enhanced acceleration and improved fuel efficiency. When the vehicle is decelerating, the eMotor acts as a generator, recovering kinetic energy that is stored in the vehicle's battery.

To enable this production, HORSE's Aveiro plant has invested in four new lines that allow the facility to manufacture up to 160,000 units a year. Each line has a dedicated function for various stages of production: including machining of the motor housing, rotor shaft, and magnet, along with final assembly. Among these state-of-the-art lines is a three-head precision winding machine, allowing faster and more accurate construction of the eMotor's core.

Ends



About Horse Powertrain

Horse Powertrain consists of two divisions, Aurobay and HORSE. It is a worldwide leader in hybrid and combustion powertrain solutions. Headquartered in London, UK, the company employs 19,000 people globally across 17 plants and five R&D centres. Horse Powertrain Limited was officially created on 31 May 2024, with ownership split equally between Renault Group and Geely.

About HORSE

HORSE is a global supplier of innovative powertrain solutions. It believes that there is no one-size-fits-all solution to sustainable mobility and so is investing in technologies which will support the automotive industry, and other sectors requiring power generation, in their transition to a sustainable future. With decades of industrial know-how, HORSE develops, produces and supplies highly efficient full-hybrid, plug-in hybrid and internal combustion powertrains, and cutting-edge technologies (engines, gearboxes, full-hybrid and plug-in hybrid systems, and batteries).

HORSE employs over 9,000 people in seven countries, it is headquartered in Madrid, Spain and has eight manufacturing plants and three R&D centres around the world (Argentina in Córdoba; Brazil in Curitiba; Chile in Los Andes; Portugal in Aveiro; Romania in Bucharest, Mioveni, and Titu; Spain in Seville and Valladolid, and Turkiye in Bursa in partnership with Oyak).

For more information, please contact:

- Alvaro Fernandez, Global External Communications Director; [+34 699068082](tel:+34699068082); alvaro.fernandez@horse.tech
- Performance Communications; HORSE@performancecomms.com