

Segway Navimow X3 Series achieves TÜV Rheinland's High Efficiency Mowing certification

2 months ago



Segway Navimow, the robotic lawn mower arm of Segway, has been awarded the High Efficiency Mowing certification by TÜV Rheinland, a globally recognised leader in testing, inspection, and certification with 150 years of experience. The X3 Series is the world's first robotic lawn mower to receive this certification, setting a new industry standard for mowing efficiency and performance.

The "Q-mark" certification system responds to the growing demand for more advanced technological performance and innovation in the robotic lawn mower industry, providing both users and manufacturers with clear insights into comprehensive testing criteria and outcomes. A rigorous testing process evaluates key criteria, including mowing efficiency, energy management, navigation skills and user-friendliness.

The X3 Series, which launched this month, is designed to maintain up to 10,000 m² lawns (the equivalent of one-and-a-half football pitches) with unparalleled efficiency. Throughout a 30-day field test, the X3 demonstrated high reliability, operating without experiencing a single system failure.

During the 8-hour cutting coverage test, the X3 Series demonstrated high efficiency, achieving the benchmark three hours ahead of schedule and completing the task with an impressive 98.5% coverage rate. Designed with a compact body width of 22.8 inches (approximately 58 cm), the X3 Series navigated through passages as narrow as 0.8 meters during maze testing – a common challenge for robotic lawnmowers.

Commenting on the certification, Segway Navimow CEO George Ren said, "At Segway Navimow, we are

continually striving for excellence in technological innovation. The fact that the X3 is the first robotic mower to receive such a prestigious certification is a testament to its unparalleled efficiency, precision and performance. This achievement underscores our commitment to pushing the boundaries of autonomous mowing technology and delivering solutions that set new industry standards.”

Marc Zaplin, Regional Business Field Manager for Electrical Products Testing at TÜV Rheinland, added, “Devices that pass our stringent tests represent outstanding performance and carry the Q-mark seal of quality. Our Q-mark certification serves as a proof of quality for manufacturers and as a confidence-building measure for consumers seeking technically advanced and efficient robotic lawn mowers.”

The X3 Series is also Product Security and Telecommunications Infrastructure Act (PSTI) compliant, which mandates new minimum security requirements for consumer connectable products, protecting consumers from cyber harm.

View the Segway Navimow X3 Series [here](#).