Airwheel Introduces AI Wheel Robot: Fully Automatic Folding Lightweight Premium Smart Electric Wheelchair with Patented

The Airwheel reports 600+ patents including 169 invention patents, Airwheel is uniting healthcare and travel under one technology philosophy



Airwheel H3TS+ Intelligent Wheeled Mobility Robot: fully automatic folding power wheelchair combining electric drive, ergonomic reclining, heated and cooling massage seat, and smart APP / wireless remote control for indoor and outdoor mobility

BRUSSELS, BELGIUM, September 15, 2026 /EINPresswire.com/ -- Airwheel is bringing intelligent technology into everyday mobility with the H3TS+ Intelligent Wheeled Mobility Robot, combining electric driving, intelligent control, multi-mode human-machine interaction, ergonomic reclining and fully automatic folding in a single mobility platform. Already in mass production and available for sale, the H3TS+ has received positive feedback from customers in international markets for its combination of mobility, comfort and smart functionality.

> The H3TS+ is more than an electric wheelchair- it is an Intelligent Mobility Robot that puts advanced technology to work for everyday life, so users can move, rest and travel with greater independence”
>
> *Airwheel*

As mobility equipment becomes increasingly connected and adaptable, Airwheel is applying its experience in electric mobility, robotics and intelligent interaction to the electric wheelchair category. The H3TS+ is designed not simply as a traditional power wheelchair, but as an intelligent mobility platform focused on convenience, adaptability and greater freedom of movement.

From Electric Wheelchair to Intelligent Mobility Robot

At the core of the H3TS+ is a dual-drive electric system featuring two 200W brush motors with clutch pull rods,

combined with intelligent control technology. The wheelchair provides a standard maximum speed of 6 km/h and supports a maximum load of 130 kg.

Designed for both indoor and outdoor mobility, the H3TS+ has a rotation radius of approximately 1.2 meters, helping it maneuver in relatively confined spaces. Its 8-inch front wheels and 12.5-inch inflatable rear tires provide the foundation for everyday mobility across different surfaces.

The platform is engineered with a climbing capacity of at least 6°, a slope capacity of approximately 9°, an obstacle-crossing capacity of at least 40 mm and a trench-crossing capacity of up to 100 mm. A braking distance of no more than 1.5 meters further supports controlled operation in everyday environments.

These specifications reflect Airwheel's approach to intelligent mobility: combining electric drive, mechanical engineering and smart control to create a mobility platform capable of handling a wider range of real-world situations.



The Airwheel H3TS+ Intelligent Mobility Robot offers automatic folding, adaptive reclining and remote control for greater independence at home and on the go



Airwheel smart electric luggage collection — rideable AI suitcases combining electric mobility, intelligent APP control and connected travel features

One-Key Automatic Folding for Easier Transportation

For an electric wheelchair, mobility is only part of the experience. Storage and transportation are equally important.

The H3TS+ features a one-key automatic folding function that allows the wheelchair to automatically contract and extend between operating and folded configurations. When folded, its dimensions are approximately 842 × 620 × 560 mm, making it more convenient to store or transport.

The wheelchair has an item weight of approximately 28 kg without the battery, while the battery weighs about 3 kg. This design balances structural strength and portability, making the H3TS+

suitable for transportation by vehicle and storage in homes or other limited spaces.
The automatic folding system is also an example of how Airwheel applies intelligent control to practical everyday tasks—reducing manual operations while simplifying interaction with the mobility device.

Adaptive Reclining and Intelligent Comfort

The H3TS+ goes beyond basic transportation by incorporating an electrically adjustable reclining system based on an ergonomic electric joint structure.
Through the integrated smart control interface, users can adjust the backrest and seating angle to support different postures, from upright sitting to a more relaxed reclining position.
The wheelchair also features an adjustable heating and cooling seat system designed to improve comfort under different conditions, together with a massage function for extended periods of sitting.
By integrating mobility, positioning and comfort functions into one platform, the H3TS+ is designed to adapt to different situations throughout the day rather than serving solely as a means of transportation.
Intelligent Control with Multiple Operating Options
The H3TS+ integrates smart controls for essential mobility and comfort functions, while also supporting wireless remote control and smart APP operation.
Remote control can be useful when positioning the wheelchair near a bed, preparing it for use or managing its position during transportation. The combination of direct controls, wireless operation and APP connectivity gives users and caregivers additional flexibility.
The intelligent control architecture is designed to make complex functions more accessible, allowing users to interact with the mobility robot through multiple operating modes rather than relying solely on conventional manual controls.
Battery and Mobility Performance
The H3TS+ is powered by a 25.2V, 524Wh lithium battery. Charging takes approximately five hours, with an AC 110–220V input system supporting use across different electrical environments.
The wheelchair is designed to operate across a broad temperature range of approximately -15°C to 50°C, extending its usability across different climates and everyday conditions.
Combined with its dual-drive motor system, 6 km/h maximum speed and off-road mobility capabilities, the H3TS+ provides a practical balance between intelligent functionality and everyday transportation performance.
Built on Airwheel's Intelligent Technology
The H3TS+ forms part of Airwheel's broader technology portfolio covering intelligent transportation, wheeled robotics, smart vehicles, intelligent healthcare and connected terminals.
According to the company, Airwheel has accumulated more than 600 patents, including 169 invention patents. The H3TS+ represents an application of this intellectual property in intelligent assistive mobility.
Airwheel Electric Wheelchair has been registered and approved by the "Medical Device

Database" in Italy and Poland etc.
From Intelligent Healthcare to Intelligent Travel
Airwheel's intelligent mobility strategy extends beyond healthcare and assistive transportation into travel.
The company has developed a portfolio of Smart Electric Luggage products that apply electric mobility, intelligent controls and connected technologies to the traditional suitcase.
The Airwheel SE3SXD AI Luxury Suitcase, for example, combines electric riding, intelligent APP control, Apple Find My support and a removable battery within a premium travel platform, transforming conventional luggage into an active mobility companion.
The SE3SL+ and SE3SX combine the functions of a Cabin Suitcase, Electric Suitcase and Rideable Suitcase for airports, railway stations and other travel environments, while the larger SE3T provides additional capacity for longer journeys and family travel.
Together, these products reflect a common technological philosophy across Airwheel's mobility portfolio: using intelligent systems to reduce physical effort, simplify interaction and give people greater freedom of movement.

Building the Future of Intelligent Mobility

For Airwheel, the next generation of mobility is not simply about adding more technology. It is about integrating advanced engineering into products that are practical, adaptable and easier to use—helping people move with greater freedom, comfort and confidence.

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