

Galileo Wheel Launches SkidCups: A New Generation of Airless Tires for Skid Steers

Galileo CupWheel technology introduces the first airless, yet not solid tire with a revolutionary profile design for superior traction and shock absorption



Caesarea, Israel Dec 16, 2024 ([Issuewire.com](https://www.issuewire.com)) - [Galileo Wheel](#), the pioneer in innovative tire technology since 2011, today announces the launch of SkidCup, a new airless tire for skid steers and loaders. It introduces the first major structural change in industrial tire design since the adoption of run-flat tires in the 1970s. Operating in the global off-road tire market, valued at [USD 16.85 billion](#), this industry-redefining solution delivers critical performance improvements that surpass both traditional pneumatic and solid tire designs.

Unlike conventional products that force operators to choose between solid tires' durability or pneumatic tires' shock absorption, SkidCup's patented air cavity design maintains full operational capabilities without inflation. The technology eliminates puncture-related downtime while demonstrating superior impact absorption and traction compared both to solid and pneumatic tires, with reduced shock and vibration transmission to both machinery components and operators. This unprecedented combination eliminates the traditional trade-off between puncture resistance and equipment preservation.

"Fleet downtime costs can exceed [\\$400 per vehicle](#) daily, and with the tire industry remaining largely unchanged for decades, tire-related issues significantly compound these costs through punctures and

machinery damage," said **Armin Schon, CEO of Galileo Wheel**. "With SkidCup, we're not just introducing a new tire—we're reimagining what a tire can be. Our patented CupWheel technology represents a fundamental shift in tire design, marking a new era in industrial mobility solutions."

At the core of this breakthrough is Galileo's CupWheel technology, featuring a proprietary sidewall concave design. This innovative approach creates a non-pressurized air cavity that delivers superior shock absorption and traction without vulnerability to punctures. The development of SkidCup builds on Galileo Wheel's successful track record, including the IrriCup tire line for irrigation pivots.

"Traditional tire development has focused on incremental improvements in materials and tread patterns, resulting in slight performance gains," commented **Avishay Novoplanski, CTO and Co-founder of Galileo Wheel**. "We took a fundamentally different approach. By completely rethinking tire architecture, we've created a solution that transforms performance. The fact that we're achieving a 30% improvement in traction, compared to the industry standard 7-8% difference between basic and premium tires, demonstrates the revolutionary nature of our technology."

The launch follows Galileo Wheel's recent \$8 million Series C funding round led by Stine Seed Farm, one of the largest privately held seed companies in the United States. The company has also secured strategic investment from Marubeni Corporation (MARUY: OTCMKTS), a major Japanese integrated trading and investment business. Galileo Wheel's products are distributed through direct sales and dealer networks across the United States, with expanding partnerships throughout Europe, Asia, and South Africa.

The global airless tire market, currently valued at [USD 1.1 billion](#), is projected to reach USD 1.7 billion by 2027, driven by increasing automation in construction and agriculture and the advancement of autonomous driving technologies. As the market demands solutions addressing fundamental challenges in puncture resistance, maintenance requirements, and operational efficiency, Galileo Wheel's innovative technology positions the company for significant growth in this expanding sector.

About Galileo Wheel

Founded in 2011, Galileo Wheel is revolutionizing the tire industry with its patented CupWheel technology. The company develops and manufactures innovative tire solutions for agricultural, construction, and industrial applications, combining the advantages of radial off-road tires and rubber tracks on a standard rim. Through strategic partnerships with leading manufacturers and a robust global distribution network, Galileo Wheel continues to drive innovation in tire technology, setting new standards for performance and reliability in industrial applications.



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