

PRESS RELEASE FROM DYNAPAC NORTH AMERICA

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Dynapac has made a **SEISMIC Shift** in Asphalt Compaction

Fort Mill, SC - February 5, 2026: Dynapac introduces **SEISMIC Asphalt**, a patented innovation that is transforming the way roads are built. Proper asphalt compaction is critical to road longevity—just a 1% increase in density can extend a road's life by up to 10%. Achieving this precision has traditionally relied on operator expertise, but now, that knowledge is built into the machine as a default setting, requiring the operator to simply select the amplitude and go – it's that simple!

SEISMIC Asphalt is the world's first patented tandem roller compaction system that automatically adjusts for both the natural frequency of the drum-asphalt system and asphalt temperature. As asphalt cools, compaction effort must increase—but doing so incorrectly risks over-compaction and aggregate damage. SEISMIC solves this challenge by using infrared sensors to measure temperature and combining that data with stiffness and frequency readings. Five times a second, the system calculates and adjusts to the optimal vibration frequency, ensuring compaction is always performed at the "best point."

Unlike conventional rollers that simply display temperature, SEISMIC uses this information to make smart, automatic decisions—eliminating guesswork and maximizing efficiency. SEISMIC Asphalt is standard on all Dynapac Heavy Tandem Rollers, unlike other systems that require a paid upgrade.

Key Benefits of **SEISMIC Asphalt**:

Superior Compaction Results

Fully automated adjustments deliver consistent, high-quality compaction across all materials, layers and width of the asphalt mat.

Enhanced Operator Comfort

Efficient compaction minimizes roller shaking and noise that gets to the operator, creating a safer, more comfortable work environment during long days on the job site.

Extended Equipment Life

Reduced wear and tear, increases component lifespan by an average of 25%.

Fuel Savings up to 25%

Operating near the natural vibration frequency optimizes energy use, reducing fuel consumption significantly, especially when used in conjunction with the EcoMode setting.

Lower Carbon Footprint

Reduce carbon footprint by up to 25%, supporting sustainability goals.

By leveraging natural frequency instead of complex mechanical systems, SEISMIC Asphalt delivers unmatched efficiency, sustainability, and reliability. This innovation represents a true SEISMIC shift in road construction, helping contractors achieve better results, lower costs, and greener operations.

SEISMIC Asphalt has also been recognized as a **Next Level Awards Finalist for Technology** by CONEXPO-CON/AGG, highlighting its groundbreaking impact on the future of construction innovation.

[Learn more and how to cast your vote:](#)



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About Dynapac: [Dynapac](#) is a leading supplier of high-tech soil and asphalt rollers, compact equipment, pavers, and feeders, committed to strengthening customer performance by being "Your partner on the road ahead." Dynapac is represented worldwide via its regional sales- and service offices and cooperates with an extensive and professional distribution network. Headquartered in Wardenburg, Germany, Dynapac has production facilities in Europe, South America, and Asia. Dynapac is part of the FAYAT Group. Dynapac North America regional headquarters is located in Fort Mill, SC with state-of-the-art administrative, customer support, and parts distribution facilities. <https://dynapac.com/us-en/>