



Novatec Unveils the Infinity Series Vacuum Pumps: Revolutionizing Resin Conveying with Cutting-Edge EV Technology

Baltimore, MD — Novatec, Inc. proudly announces the launch of the Infinity Series Vacuum Pumps, marking a significant breakthrough in resin conveying technology. This series ushers in a new era that transcends traditional Variable Frequency Drive (VFD) Induction Motor technology, which has long been the standard in the industry, and instead incorporates advanced innovations inspired by the precision and efficiency of electric vehicle (EV) technology.



"While VFD Induction Motors have provided incremental enhancements, they inherently limit performance due to their operational constraints," said Conrad Bessemer, President of Novatec. "True innovation doesn't just improve; it transforms. Our Infinity Series does just that by integrating our revolutionary InfinityDrive Magnetic Motor, inspired by the high-performance electric vehicles sector, setting new standards for efficiency, precision, and whisper-quiet operation."

At the core of the Infinity Series, the InfinityDrive Magnetic Motor represents a significant technological leap in vacuum pump technology. This motor is notably devoid of traditional belts and sheaves, which often contribute to maintenance and operational inefficiencies. Instead, it features an unparalleled operational range that impressively extends from 35% to 150% of rated capacity, which no other pumps on the market can deliver. The Infinity Series also includes a critical feature Novatec dubs 'Ludicrous Mode.' This feature automatically detects blockages in the conveying lines and delivers a short, controlled burst of power at 150% capacity to clear the obstruction, ensuring continuous operation without interruptions.

"The capabilities of the InfinityDrive extend beyond mere power," explained Ryan Ismirlian, Conveying Engineer at Novatec. "This motor is designed to respond to the varying characteristics of materials, dynamically adjusting its performance to optimize efficiency and extend equipment life. Additionally, it operates below the stringent OSHA noise standards set for modern workplaces, ensuring a drastically quieter and more comfortable environment."

Coupled with Novatec's AI-driven FX3 Controller, the Infinity Series safeguards your materials by effectively reducing resin stress. It achieves this through precise control of air velocity, volume, and speed, minimizing impact and thermal damage to both the resin and the components of the conveying system. By modulating airflow to move at the optimal velocity, the Infinity Series not only preserves the integrity of the resin but also extends the lifespan of the system's components.

"Our Infinity Series Vacuum Pumps represent a quantum leap over old technologies," Bessemer added. "With features like automated 'Ludicrous Mode' for blockages and near-zero maintenance requirements, this series promotes continuous, efficient production, significantly reducing downtime and operational costs."

About Novatec:

As a leading U.S. manufacturer of drying, conveying, and complete material handling systems, Novatec has long been at the forefront of technological innovation. Specializing in AI-powered systems and advanced resin moisture management technologies, we've set new standards in automation, ease of use, and efficiency. Our commitment is underscored by our personalized white-glove consultative approach, steadfast support team, and a 5-year warranty, ensuring the lowest cost of ownership.

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