



Novatec to Redefine Resin Drying & Conveying at NPE 2024 with 12 New Innovations Including AI-Smart Drying and AI+EV Smart Conveying

Baltimore, MD – Novatec, Inc. is set to make a significant impact at NPE2024, introducing 12 new groundbreaking technologies that completely redefine resin drying and conveying. From May 6-10 at the Orange County Convention Center in Orlando, Novatec's booth (W2429) will highlight transformative solutions through interactive demonstrations, including the new AI-powered DryerGenie System that guarantees to dry your resin perfectly in the shortest time possible and with the least amount of energy consumed.



"While some auxiliary manufacturers are touting AI-powered systems as the pinnacle of innovation this year, we see it differently," stated Conrad Bessemer, President of Novatec. "Merely automating longstanding processes is no longer groundbreaking—it's the expected baseline. The true transformation begins when we completely reengineer these processes. Then, and only then, do we integrate cutting-edge AI to create new, intelligent workflows tailored specifically to the material challenges of our customers."

Leading the innovation charge is the DryerGenie, a revolutionary system that leverages AI-powered resin moisture sensing technology to remove the guesswork from resin drying, completely reengineering the age-old process. This advanced system not only guarantees perfect resin drying every time but does so in the least amount of time and with the least amount of energy, redefining industry standards for drying technology.

Following closely is the SmartConveying System, a game-changing advancement in material conveyance that represents an entirely new way to convey resin. SmartConveying transcends the conventional induction motor technology typically used in vacuum pumps, drawing inspiration instead from high-performance electric vehicles. The result is Novatec's cutting-edge Infinity Series Vacuum Pump, leveraging the same technology that powers EV racecars, to deliver unprecedented energy efficiency, material-specific precision, whisper-quiet operation, and even 'hyperspeed' for line blockages.

Combining this EV technology with Novatec's AI-driven FX3 Controller, the SmartConveying System not only simplifies automation but completely redefines the resin handling processes, intelligently optimizing operations and safeguarding materials, equipment, and budgets.

Additionally, the spotlight will be on the NovaDrier 2, Novatec's advanced membrane drying system which is now enhanced with an intuitive touchscreen control and comes Dryer-Genie ready for seamless AI-Smart Drying. Novatec will also be introducing the HydroTracer HT3, a simpler, more effective way for precision moisture verification designed to be used directly on the production floor – a significant departure from more cumbersome methods.

Completing Novatec's impressive lineup are the new ergonomically designed QSC Proofing Manifold featuring the advanced Auto-ID+ material verification system, new VRX Receivers, an EZ Clean Machine Mount JIT Resin Hopper, the DryerGenie-Ready NovaWheel 3, and DryerGenie-Ready High-Efficiency Hoppers and Central Drying Assemblies. Each product represents Novatec's commitment to intelligent innovation designed to significantly enhance productivity and ease-of-use in plastics processing.

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.