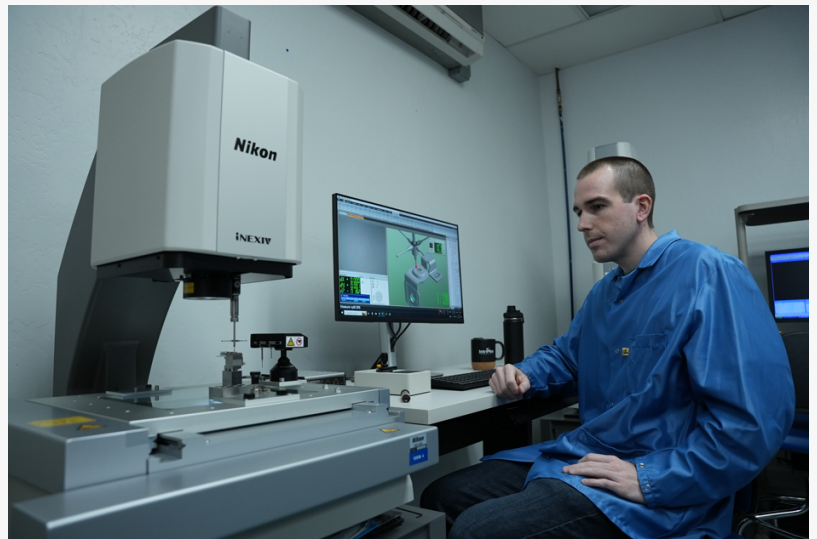


Sharper Sight, Superior Quality: IntriPlex Technologies and Nikon Metrology Elevate Battery Component Manufacturing

Nikon and IntriPlex align on mission, fostering exceptional product standards. A partnership in precision.

SANTA BARBARA, CA, UNITED STATES, June 28, 2024 /EINPresswire.com/ -- IntriPlex Technologies, a global leader in precision metal-stamping solutions, continues to push the boundaries of manufacturing excellence by integrating Nikon Metrology's cutting-edge iNEXIV VMA-2520 video measuring system into its California facility. This adoption marks the latest chapter in a longstanding partnership with Nikon, enhancing IntriPlex's capabilities to meet the stringent quality and volume demands of the electric vehicle (EV) market. It is also a pivotal step in strengthening the US's position in the global manufacturing arena.



IntriPlex benefits from Nikon's iNEXIV VMA-2520 video measuring system, which captures every detail with unparalleled precision.

The integration of the iNEXIV VMA-2520 allows IntriPlex to achieve high-resolution dimensional inspection, critical for maintaining the tight tolerances required in battery component manufacturing. "Nikon Metrology vision systems and optical inspection systems have helped inspect IntriPlex's stamped components for more than 20 years," says Andy Stults, Director of Marketing for the Americas at Nikon. "It's a tribute to the long-term quality and reliability of our products and service, as well as the great partnership we have developed with the team at IntriPlex."

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Nikon's iNEXIV system allows us to maintain our leading position in the industry by ensuring the highest standards of accuracy and reliability.”

David Dexter, President & CEO of IntriPlex Technologies

With the growing global emphasis on transitioning to

electric vehicles, IntriPlex's experience in precision stamping positions it uniquely to meet the industry's needs. The company's new initiative focuses on stamping battery components for EVs, which requires both high precision and high-volume production capabilities.

Ryan Schmidt, Senior Director of Operations and Engineering at IntriPlex, highlights the benefits of the iNEXIV VMA-2520: "The dual-sensor technology of the iNEXIV VMA-2520, which includes both a touch probe and vision system, is crucial for our high-accuracy and high-resolution dimensional inspection needs. This system ensures our compliance with customer requirements and establishes best-in-class process capabilities."

The iNEXIV VMA-2520 has revolutionized IntriPlex's inspection processes. Advanced imaging capabilities and multi-sensor technology enable the precise measurement of complex geometries, which is essential for the company's rigorous quality assurance standards. The automated measurement processes reduce human error and enhance overall production efficiency, leading to faster time-to-market and cost savings.

David Dexter, President & CEO of IntriPlex, underscores the importance of this collaboration: "To create truly world-class products, superior measurement capabilities are paramount. Nikon's iNEXIV system allows us to maintain our leading position in the industry by ensuring the highest standards of accuracy and reliability."

As the global race to dominate the EV battery market intensifies, it is imperative for US manufacturers to enhance their production capabilities and quality standards. IntriPlex's advanced capabilities, supported by Nikon Metrology's state-of-the-art inspection technology not only contribute to this effort but also exemplify how American manufacturing can lead in the global race for clean energy solutions.

This collaboration with Nikon Metrology represents a significant milestone in the company's commitment to quality and innovation. As IntriPlex continues to expand its capabilities in the rapidly growing EV market, the support from Nikon's advanced metrology solutions will be instrumental in driving further success.

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