

UniMeasure Inc Advances Rotary Position Sensor Technology to Meet Growing Industrial Automation Demands

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UniMeasure Inc, a leading manufacturer of position and velocity sensors, announces continued advancements in rotary position sensor technology to address increasing precision requirements across industrial automation, aerospace, and automotive sectors. The Corvallis, Oregon-based company has enhanced its rotary transducer solutions to support the growing need for accurate, real-time motion control in complex manufacturing environments.

As industrial sectors increasingly adopt automated processes and smart manufacturing systems, the demand for precise position feedback has reached unprecedented levels. UniMeasure Inc Rotary Position sensor technology provides manufacturers with the absolute output signals necessary for closed-loop process control and testing applications where oscillatory rotary motion occurs.

"The evolution of industrial automation has created new challenges for position sensing technology,

particularly in applications requiring both high accuracy and durability," said Zack Peterson, General Manager at UniMeasure Inc. "Our rotary position sensors deliver analog output signals proportional to the angle of rotation, enabling manufacturers to maintain precise control in even the most demanding operational environments."

The company's rotary position transducers have found applications across diverse industries, from medical device manufacturing to crude oil extraction systems. These sensors provide critical feedback in automated assembly lines, robotic systems, and quality control processes where angular position data directly impacts product quality and operational efficiency.

UniMeasure's approach to sensor development focuses on addressing specific industry challenges. In aerospace applications, the sensors monitor control surface positions and actuator movements. Within the automotive and motorsports sectors, the technology supports testing protocols and performance optimization. Agricultural equipment manufacturers utilize these sensors for precision farming applications, where accurate positioning enhances operational efficiency and crop yields.

The advancement in rotary position sensing technology comes as manufacturers face increasing pressure to improve production accuracy while reducing downtime. Traditional position measurement methods often struggle to provide the real-time feedback necessary for modern automated systems. UniMeasure's sensors address this gap by offering continuous position monitoring with minimal maintenance requirements.

"Manufacturing environments today require position sensors that can withstand harsh conditions while maintaining measurement accuracy," added Peterson. "Our engineering team has focused on developing solutions that not only meet current industrial standards but also anticipate future automation requirements as factories continue their digital transformation."

The company's commitment to domestic manufacturing ensures a rapid response to customer needs and maintains quality control throughout the production process. Since 1987, UniMeasure has established itself as a trusted supplier in the linear and rotary transducer industry, supporting OEM equipment manufacturers, industrial automation integrators, and fluid control system developers.

UniMeasure Inc continues to expand its sensor technology portfolio to meet evolving market demands. The company provides comprehensive technical support, including detailed product selection guides, instant specifications access, and installation guidelines to ensure optimal sensor performance in various applications. Through ongoing research and development, UniMeasure maintains its position at the forefront of position sensing technology, supporting the advancement of industrial automation across multiple sectors.

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UniMeasure Inc

UniMeasure, Inc. has been manufacturing position and velocity sensors in Corvallis, Oregon since 1987. The company has steadily grown over the years to become a leader in the linear and rotary transducer industry.

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