

Precise Software Solutions, Inc. receives US patent for Drug Anomaly Detection device

Counterfeit drug detection device one of many innovative solutions produced by Precise's Innovation team

Rockville, Maryland Sep 20, 2022 ([Issuewire.com](https://www.issuewire.com)) - Precise Software Solutions, Inc. (Precise), a small 8(a) company providing strategic and innovative information technology services to federal, state, and local government customers, received its first official patent [US Patent no. 11,416,989](#) from the United States Patent and Trademark Office. The patent, titled "Drug Anomaly Detection," advances quick and reliable methods to detect anomalies in drug composition, and ultimately, to detect counterfeit drug products. Precise's patent deploys multiple wavelength lights and an all-spectrum high-definition camera in a portable device. The Precise team of data scientists and engineers developed machine learning algorithms for multi-spectrum image recognition and counterfeit drug identification. The algorithms are deployed in a minicomputer and use novel edge computing technologies to achieve near real-time results.

Experts estimate that 10% of the worldwide drug supply fails to meet regulatory standards. These counterfeit and substandard drugs have an estimated \$200 billion annual economic impact, adversely impact consumers and disease treatment, and at times can result in patient death. Precise's Drug Anomaly Detection device offers the promise of a tool to fight a growing influx of counterfeit drugs.

Precise CEO Zhensen Huang expressed excitement about receiving the official patent for the Drug Anomaly Detection device, as well as high praise for the Precise Innovation team, led by Precise's Chief Technology Officer, Ben Duan, and Vice President of Engineering Xu Yang, and their work. In sharing news with the Precise team about the approved patent, Huang commented, "Receiving our first patent is a huge milestone for Precise as we seek to provide innovative products and services to promote safe and reliable medical care across the country." Huang added, "I couldn't be prouder of our Innovation team. Their expertise, creativity, and dedication have already been the source of numerous innovation awards, including winning one of the top eight positions at the highly competitive ACT-IAC Igniting Innovation Conference in 2020, being named one of 12 winners in the Food Traceability Challenge in 2021, and is a winner in 2022 FedHealthIT Innovation Awards."

For more information, please visit [Precise Software Solutions, Inc. \(precise-soft.com\)](https://www.precise-soft.com) or follow the company on [LinkedIn](#).

About Precise

Precise Software Solutions, Inc. (Precise), an SBA 8(a) program participant, is an innovative small business with a proven record of success delivering quality services and solutions to government organizations. A CMMI Level 3 company, Precise serves as a trusted advisor to senior technology executives and helps government agencies enhance and expand their information technology capabilities. Precise helps its customers capitalize on the efficiencies offered by technological advancements and ensures the integrity of its IT systems and programs so it can perform its public mission more effectively. The company is known for delivering agile and innovative solutions and specializes in strategic consulting, system modernization and integration, digital transformation and experience, infrastructure and cloud implementation, and data management and analytics. Visit Precise at www.precise-soft.com.

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