Artificial Intelligence for Precision Shooting - SMASH 2000L

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As global tensions rise and a new arms race takes hold, armed forces are increasingly focusing on technological innovation to enhance their defense capabilities. Among these technologies, the **SMASH 2000L** stands out, an intelligent sight developed by the Israeli company **Smart Shooter** that integrates Artificial Intelligence (AI) to improve shooting accuracy. This technology is designed to address rapidly evolving aerial threats, such as drones and quadcopters, which represent one of the most complex challenges of modern conflicts.

The **SMASH 2000L** is a fire control system that uses electro-optical sensors and artificial vision software to automatically track and lock onto small aerial targets. This system minimizes the risk of human error, ensuring that the soldier fires only when the probability of hitting is almost certain. The system has been tested and successfully employed during real operations, and during the joint exercise **Project Flytrap** on June 6, 2025, the **SMASH 2000L** was mounted on the **M4A1** rifles of American soldiers from the **3rd Squadron of the 2nd Cavalry Regiment**, achieving surprising results by shooting down drones with unprecedented accuracy.

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How the SMASH 2000L Works and Its Global Adoption

At the heart of the **SMASH 2000L** is its AI-assisted targeting system that automatically calculates the optimal shooting solution based on parameters such as distance, angle, and target movement. This approach allows soldiers to hit flying targets with a certainty that would not be possible with traditional tools.

The SMASH 2000L has already been successfully tested in numerous countries, including Israel, the United States, India, the United Kingdom, the Netherlands, and Australia. The system has proven its effectiveness in countering the growing threat of drones, a danger that many armed forces face daily. In addition to improving accuracy, the system supports a wide range of ammunition and can be integrated with **C4I systems** (Command, Control, Communications, Computers, and Intelligence) and **Battle Management Systems**, enhancing overall operational efficiency.

With the signing of significant contracts such as the **13 million dollar** deal for the **Transformation In Contact (TIC) 2.0** program, the SMASH 2000L represents a fundamental step towards the introduction of high-tech warfare solutions on the battlefield. The next step will be the introduction of the **SMASH 3000**, an even more advanced version of the system, which further reduces size and weight and incorporates improved algorithms for target tracking.

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The Importance of the SMASH 2000L in the Future of Warfare

The **SMASH 2000L** is not just a technological revolution, but a paradigm shift in how the military engages targets. Its ability to **increase lethality** and **survivability** of soldiers, combined with **better situational awareness**, makes it an indispensable tool for modern armed forces. The ability to shoot with **both eyes open** allows soldiers to maintain a complete view of the battlefield, improving their responsiveness and control during operations.

The SMASH 2000L's ability to interact with **external sensors** and connect to **battle management** and **communication systems** allows for seamless integration into the overall operational framework of the armed forces. This type of automation and AI is transforming the way operations are conducted, reducing the margin of human error and increasing precision in the most critical situations.

The future of warfare is increasingly tied to the integration of AI and automation, and solutions like the **SMASH 2000L** demonstrate how these technologies can enhance operational capabilities, responding to the growing threat of drones and other aerial targets. With the continuous improvement of these solutions and their widespread adoption, AI will become a fundamental ally for the armed forces, enabling them to face increasingly complex challenges with unprecedented effectiveness.

https://youtu.be/-UxFSKXNMMA?si=iZ3e78hPPARZJ9Db