

Macro Roundup Article

Headline: [Chinese Scientists Build a Powerful Stirling Engine-Based Microwave Weapon That Can Fire From A Moving Truck](#)

Article Link: <https://www.scmp.com/news/china/science/article/3251381/chinese-scientists-build-powerful-stirling-engine-based-microwave-weapon-can-fire-moving-truck>

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Publication	South China Morning Post
Publication Date	February 08, 2024

Tweet: A Chinese team has developed a new direct-energy weapon that uses one-fifth of the energy required by previous methods. It can be fired from a moving truck and is powerful enough to suppress drones, military aircraft, and even satellites. @SCMPNews

Summary: A research team in China has developed a high-power microwave (HPM) weapon driven by four compact and efficient Stirling engines...to drive high-frequency electromagnetic waves that are powerful enough to suppress drones, military aircraft, and even satellites. The weapon system, which can easily fit into a truck, and boasts a significant reduction in energy consumption for generating a strong magnetic field compared with existing technologies. According to the project team's preliminary tests, it consumes only one-fifth of the energy required by current methods and can operate continuously for four hours without attenuation. Related: Chinese Tech Could Break Barrier to Making Crucial Defence and Aerospace Material and Why Xi Can No Longer Brag About the Chinese Economy and America, Jump-Started: World War II R&D and the Takeoff of the US Innovation System

Primary Topic: China

Topics: China, Innovation/Research, News article, Productivity, Security

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