
Weekly Data Bytes

Trump's robot ban aims to counter China. US startups fear it could leave them behind.



- The Trump administration has opened a new front in its tech crackdown on China: robots.
- The Federal Communications Commission on Tuesday effectively shut the door on new foreign-made "advanced robotic devices," citing "unacceptable risks" to national security. The category includes humanoids, quadrupeds, and even some robot vacuums.
- Even though previously authorized models are unaffected, and manufacturers can apply for conditional approval, the move will largely impact Chinese manufacturers like Unitree, which builds relatively inexpensive machines that American startups and university researchers widely use.



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New 'new three' become China's new calling card as nation advances Chinese modernization



- From the "old three" exports of clothing, furniture, and appliances, to the "new three" of electric vehicles, lithium batteries, and solar cells, China's industrial evolution has now entered a new era defined by its newest industrial champions: robotics, artificial intelligence (AI), and innovative drugs.
- These sectors have firmly established themselves as the new "new three," reflecting not only the continued growth in China's innovation capacity but also the accelerated iteration of its industrial system

Source: <https://www.globaltimes.cn/page/202607/1367290.shtml>

GM to launch proprietary in-vehicle AI system later this year



- The new GM AI assistant is expected to be more integrated with the vehicle as well as its capabilities and telematics information than the company's recently launched Gemini AI assistant from [Google](#), according to Anna Santos, GM director of product management of voice and AI/machine learning.
- "Later this year, we'll be launching a more deeply integrated native AI assistant that combines conversational AI with GM vehicle knowledge and OnStar intelligence to create those capabilities that go beyond what a general purpose assistant can do," she told CNBC

Parking attendant, 73, sues robot company claiming delivery drone knocked her down and caused significant injuries



- A 73-year-old parking attendant filed a lawsuit against autonomous delivery company [Starship Technologies](#), alleging one of its devices knocked her down at an [Arizona State University](#) parking structure in Tempe in late 2023.
- Trudy Perez claims the collision resulted in permanent impairment and a spinal fracture. The case is scheduled to go before a jury in early 2027, as reported by NBC affiliate *12 News*.
- According to court filings and an Arizona State University Police Department report, the incident unfolded as Perez walked behind the delivery robot. The device initially crossed in front of her before reversing into her, knocking her onto the ground.



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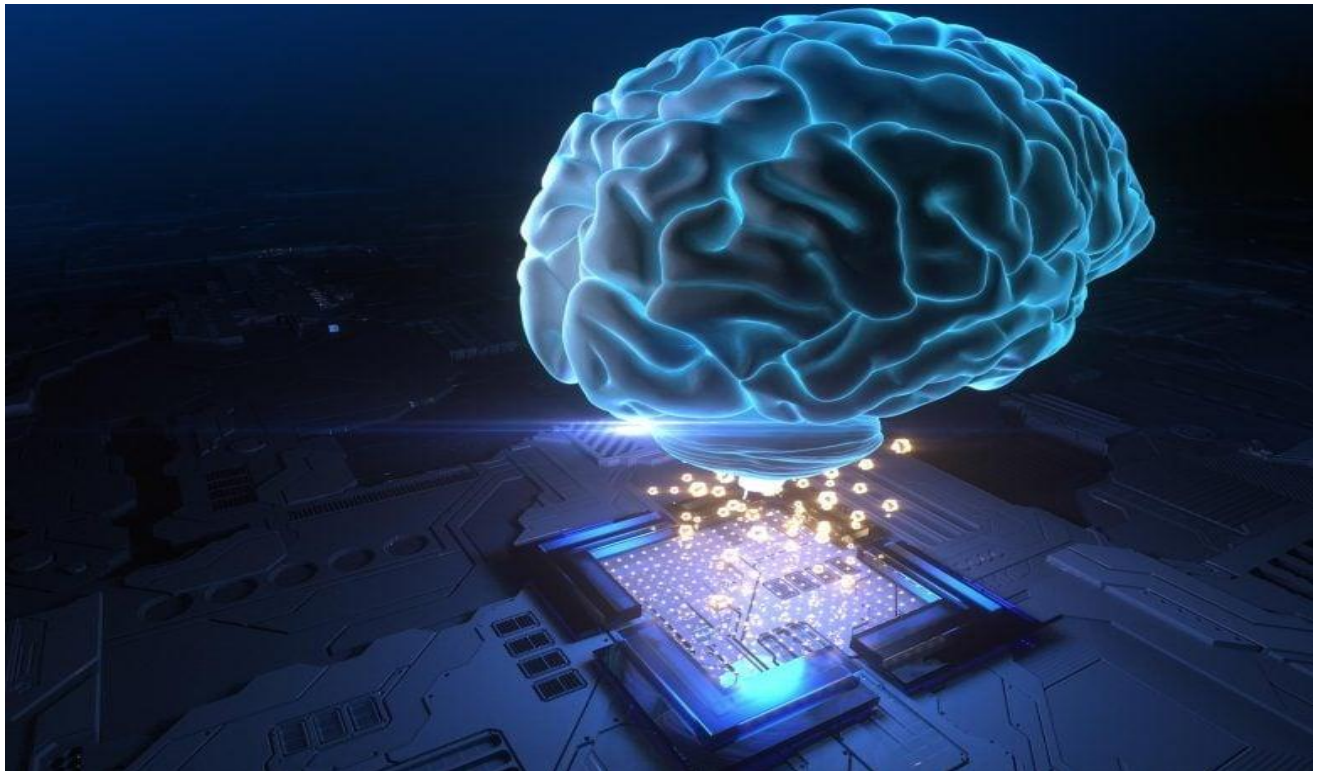
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Scientists Develop a Groundbreaking Chip That Operates at Brain-Like Speed

A memristor chip brought complex brain modeling into millisecond-scale operation while preserving detailed cortical structure.

- Reconstructing the brain's deeply folded surface in real time requires enormous numbers of calculations. Researchers in China have now developed a chip that performs this work in less than 10 milliseconds, a speed they say is comparable to the functioning pace of the human brain.
- The research was led by Yuchao Yang of Peking University in collaboration with scientists at the Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences. The findings were published in Science under the title "A sub-10-millisecond neural dynamical system based on phase-change memristors."



Source: <https://scitechdaily.com/scientists-develop-a-groundbreaking-chip-that-operates-at-brain-like-speed/>