

NEWSLETTER

HI-TECH & INNOVATION

30 March – 5 April 2026



World's first nanoscale micro-vibration lab commences operations in Xiong'an New Area

China has launched the world's first nanoscale micro-vibration lab in Xiong'an, developed by CEEDI. The facility features a 4x4-meter, 50-ton test bed with a 20-ton load capacity, capable of simulating ultra-faint vibrations across full frequency ranges. The lab supports high-end manufacturing, including semiconductor equipment and satellite payload testing, while filling national gaps in micro-vibration evaluation. **(Global Times)**

Chinese company unveils humanoid robot powered by general action foundation model

Westlake Robotics has launched Titan o1, a humanoid robot driven by its General Action Expert (GAE) model, enabling millisecond-level motion imitation. An operator's spontaneous movements can be mirrored instantly, and one person can control multiple robots. Acting like a "general-purpose cerebellum," the GAE adapts rapidly and can be deployed across robots of different sizes and structures. **(Xinhua)**

China's exoskeleton makers move from niche to mainstream

China's exoskeleton makers are moving from niche innovation to mainstream use. RoboCT built an in-house supply chain and deployed rehabilitation robots in over 1,000 medical institutions. Hypershell targets daily consumers with lightweight designs and AI motion control, selling in more than 70 countries. Together, they highlight China's fast-growing, consumer-focused exoskeleton industry. **(People's Daily Online)**

2026 Zhongguancun Forum unveils major scientific achievements

China unveiled 21 major scientific achievements at the 2026 Zhongguancun Forum (25-29 March, Beijing), showcasing advances from brain-computer interfaces to AI applications. Highlights included the Beinao-1 BCI system for mobility and speech restoration, new findings on Parkinson's disease, and AI tools for content creation and accessibility. Experts said the breakthroughs show innovation moving rapidly into real-world use. **(China Daily)**

China expands humanoid robot training with new simulation-tactile center

Beijing's Shijingshan district has opened the third phase of its humanoid robot training center, now China's largest robotics data hub. The facility integrates simulation, real-machine training and tactile sensing to support over 100 robots across home, hotel and factory scenarios. Officials said the project accelerates AI model development and cross-platform training ahead of broader industrial and household adoption. **(China Daily)**