

NEWSLETTER

MACHINERY & AUTOMOTIVE

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China's machinery exports grow strongly

According to customs data, China's machinery industry and high-tech product exports performed strongly in 2025, becoming a significant pillar of foreign trade growth. Specifically, exports of high-end equipment grew by 20.6%, high-end machine tools by 21.5%, and industrial robots (+48.7%) and special-purpose equipment (+20.6%) also achieved rapid growth. **(China Machinery Industry Federation)**

Special bonds and equipment renewal policies strengthened

The issuance of special bonds will accelerate to 3 trillion yuan (\$434.8 billion) in 2026, with 93.6 billion yuan (\$434.8 billion) of ultra-long-term special treasury bonds already allocated, supporting infrastructure construction and equipment renewal, and driving demand for construction machinery and heavy machinery. **(Sina Finance)**

China introduces a standard framework for humanoid and embodied intelligence

On February 28, China released the nation's first "Standard System for Humanoid Robots and Embodied AI (2026 Edition)". According to January figures, China has more than 140 humanoid robot manufacturers, and more than 330 product models. The industry is shifting from laboratory prototypes to industrial competition and scenario-based deployment. **(China Daily)**

Opportunities for the machine tool industry from the humanoid robot boom

Global robot shipments hit 18,600 in 2025, projected at 100,000 in 2026. The joints make up over 50% of hardware costs, dexterous hands 10%-17%. China mandates 80% localization of core components by 2026, with micron-level machining accuracy. Demand covers micron-level CNC machine tools for joint machining, five-axis machines for dexterous hands and flexible manufacturing units for mass production. **(CMTBA)**

Revised standards for electric motorcycle power batteries cover more scenarios and conditions

China led the revision of the international safety standard for lithium-ion batteries in electric motorcycles, released in 2026. The updated standard includes 13 safety tests, enhances low-temperature charging and overcurrent protection, aligns with EV battery criteria, and boosts global interoperability, addressing real-world usage and improving industry safety. **(CCTV News)**