

## NEWSLETTER

### HI-TECH & INNOVATION

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#### **Embodied intelligence industry shows big leap forward in 2025**

China's embodied intelligence sector surged in 2025, with a projected 50% annual increase, reaching 100 billion yuan (\$14.2 billion) by 2030. Shanghai AgiBot rolled out its 5,000th general-purpose robot. Humanoid robot companies reported over 2 billion yuan (\$284 million) in orders, while primary market financing exceeded 38.6 billion yuan (\$5.5 billion), reflecting strong investor interest and rapid industrialization. **(China Daily)**

#### **Chinese researchers achieve milestone breakthrough in flexible solar cells**

Chinese researchers achieved a breakthrough in flexible solar cell technology by overcoming long-standing efficiency and stability challenges. A silicon-based tandem cell reached a certified efficiency of 33.6% on an ultra-thin substrate, while large-area devices achieved 29.8%. The cells retained 97% performance after 43000 bending cycles, paving the way for large-scale commercialization of flexible photovoltaic products. **(People's Daily)**

#### **Foreign tech giants sanguine on China ops**

Foreign tech companies expressed confidence in China's tech sector, citing innovation, digital transformation and sustained opening-up. China added 61,207 new foreign-invested firms in the first 11 months, up 16.9% year on year, while November foreign direct investment surged 26.1%. Officials said China remains the world's largest manufacturing and innovation hub, contributing about 30% of global manufacturing output. **(China Daily)**

#### **From lab to market, China accelerates frontier tech deployment**

China is accelerating commercialization of frontier technologies, with robots, quantum computing and fusion-related innovations moving from labs to real-world use. Hefei-based humanoid robots secured over 100 million yuan (\$14.3 million) in orders, with deployments domestically and abroad. Policy support and local funding, including Shanghai's targets and Shenzhen's 22-billion-yuan (\$3.1 billion) funds, drive innovation. **(People's Daily)**

#### **Chinese scientists develop heat-shrinkable flexible circuits**

Chinese researchers have developed a heat-shrinkable flexible circuit that wraps tightly around objects like plastic wrap, enabling high-precision electronics on complex 3D surfaces. Created by teams from Tianjin University and Tsinghua University Shenzhen, the liquid-metal and thermoplastic film technology, published in Nature Electronics, supports applications in robotics, smart agriculture, aerospace and medical sensing. **(CCTV)**