

## NEWSLETTER

### HI-TECH & INNOVATION

6 - 12 July 2026



#### **China's Aerospace-Grade Super Fiber Goes Industrial**

Sinopec Shanghai Petrochemical has begun mass production of domestically developed T1000-grade 12K carbon fiber, marking China's shift from lab research to industrial scale. The fiber reaches 6.5 GPa tensile strength with density below steel's 1/4. It will serve the aerospace and low-altitude economy, including aircraft needing 8–10 tons of composites. **(Xinhua)**

#### **UBTech Unveils Ultra-Bionic Humanoid Robots for Mass Production**

Chinese robotics company UBTech has unveiled its UWORLD U1 Series of ultra-bionic humanoid robots, with prices ranging from 119,800 yuan (\$16,700) to 990,000 yuan (\$138,000). The company said cumulative orders have exceeded 13,361 units, with deliveries scheduled within 2026. UBTech expects China's ultra-bionic robotics market to grow from tens of billions of yuan to the trillion-yuan level over the next decade. **(China Daily)**

#### **Shenzhen's Robot Valley Emerges as Global Hub of Robotics Innovation**

Shenzhen's "Robot Valley" has emerged as a major robotics innovation center, hosting over 200 companies and nearly a dozen universities. In 2025, the city's robot industry output exceeded 240 billion yuan (\$33.4 billion), while humanoid robot production surged 83.1% year on year to 343,400 units, highlighting China's growing strength in advanced manufacturing and embodied AI. **(Xinhua)**

#### **Beijing Banks On High-Tech for Global Digital Edge**

Beijing is accelerating development in AI, 6G, blockchain, and quantum computing to enhance its global digital competitiveness. The city's digital economy reached 2.4 trillion yuan (\$353.5 billion) in 2025, accounting for 46% of GDP. Authorities are also expanding data-sharing initiatives and AI infrastructure, with local token-production capacity exceeding 1.4 trillion tokens per day. **(China Daily)**

#### **Tech Innovation Makes Global Inroads**

Technology companies in Guangdong are expanding overseas through innovation. Agricultural robotics maker XAG has filed over 4,400 patents and sells in nearly 70 countries and regions. E-bike brand ADO has entered about 50 markets since 2021, while TCL now operates in more than 160 countries and regions, with TV revenue nearly doubling over five years. **(China Daily)**