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Ningbo Robots Excel at the Fourth Global Digital Trade Expo

Picture this: a flying car “flies” you to the office, an AI assistant handles all your business trips, and a VR headset transports you to a front-row seat at your favorite idol’s concert. In the near future, these scenes will come true.

上班通勤，一辆飞行汽车载你“飞”往公司，更有AI助手帮你安排出差的行程；周末休闲，头戴VR设备，就能沉浸式感受“爱豆”的演唱会……在不久的将来，这些画面即将成为现实。

The Fourth Global Digital Trade Expo (GDTE)—the only national-level expo themed on digital trade in China—opened on September 25 in Hangzhou, capital of east China’s Zhejiang Province. The expo showcased the applications of digital intelligence technologies across various industries, including trade, transportation, healthcare, and entertainment.

9月25日，中国唯一以数字贸易为主题的国家级展会——第四届全球数字贸易博览会（以下简称数贸会）在浙江杭州开幕，展示数智技术在贸易、交通、医疗、文娱等千行百业的应用。

Through this digital trade gateway and its commitment to “commerce connects the world”, we catch a glimpse of a better life illuminated by technology. Spearheading this trend, a group of Ningbo enterprises are accelerating this process with their innovations.

通过这扇“商通全球”的数贸之窗，我们窥见科技照亮的美好生活。而一批“甬”立潮头的宁波企业，正用创新加速这一进程。

At the Expo, humanoid robots took center stage. Unitree Robotics’ humanoid robot G1 fully showcased its talents, drawing huge crowds of onlookers. Many citizens attracted by its fame on social media platforms like Douyin were busy recording videos for fear of missing any fantastic moves.

在本届数贸会现场，人形机器人是占据“C位”的明星。宇树科技人形机器人G1在现场“大展拳脚”，被观众们围得水泄不通。更有市民从抖音等社交媒体慕名而来，掏出手机拍视频，生怕错过任何一个精彩的动作。

The public’s zest for robot performances stems from deep-seated factors: beyond wanting robots as efficient work partners for mundane tasks, people also seek emotional engagement from these steel companions, envisioning a future



“Running Agent” Robot.

where humans and robots coexist harmoniously.

人们对机器人表演的热烈关注，背后隐藏着深层次的因素——大家不仅希望它成为承担重复繁琐任务的“工友”，还希望这些“钢铁伙伴”提供情绪价值，开启“人机共生”的美好未来。

Several Ningbo-based companies are actively fulfilling these expectations through advanced technological solutions. The humanoid robot NAVIAI, created by Zhejiang Humanoid Robot Innovation Center, transformed into a conductor. Performing to the melody *Wan Jiang* (Vast Frontiers of Homeland), the robot executed precise arm movements in perfect synchronization with the musical arrangement, drawing sustained applause from impressed audiences.

一批参展的宁波企业，正在用技术回应这份期待。浙江人形机器人创新中心的“NAVIAI”人形机器人化身“音乐指挥家”，随着一曲《万疆》的旋律挥舞臂膀，完美卡上鼓点，赢得连连喝彩。

“We have cooperated with Zhejiang Conservatory of Music. By equipping professional devices with advanced algorithms, we collect conductors’ body motion data, then use it to drive the robot for precise anthropomorphic reproduction in real time. It can be deployed in just 10 minutes and achieve a combination of technology and art,” said Manager Chen of Unitree Robotics. Currently, “NAVIAI” demonstrates ex-

ceptional precision in its operations and is actively deployed across industrial manufacturing and retail sectors.

“我们和浙江音乐学院合作，通过专业设备搭载高级算法，采集指挥家的人体动作数据，实时驱动精准拟人复现，只需10分钟就能完成部署，实现科技与艺术的碰撞。”工作人员陈经理告诉记者，目前，“NAVIAI”已具备高精度作业能力，正进入工业和零售领域。

The entertainment industry is meanwhile emerging as a promising new frontier for commercial humanoid robot applications. At the “Keep Running Park” booth of China Hiin City, visitors encounter a humanoid robot serving as an interactive host. Beyond selling popcorn, the robot engages guests with friendly smiles and playful heart gestures, creating meaningful emotional connections with the visitors.

而切入文娱市场，或将是人形机器人的商用新路径。在中国海影城“奔跑吧乐园”的展位，一台人形机器人正化身“迎宾特工”，不仅能成为爆米花零售员，还能向前来“打卡”的小姐姐“微笑”“比心”，形成情感互动。

According to Pan Jingjing, the booth manager, “Running Man Park” in Xiangshan, Ningbo is the country’s first variety park built by Zhejiang Media Group. “We hope to leverage the GDTE platform to make this cultural and tourism project a national hit which integrates audio-visual technology, marine

culture, and distinctive study tours,” she noted.

据该展位负责人潘静静介绍，“奔跑吧乐园”坐落在宁波象山，是浙江广电集团打造的全国首个综艺乐园，“我们希望借助数贸会的平台效应，让这个集科技视听、海洋文化、特色研学于一身的文旅项目在全国‘出圈’。”

The future of human-robot interaction extends far beyond mechanical movements. At the expo, GravityXR captivated audiences with groundbreaking “dynamic face” technology—the world’s first system enabling robots to display truly lifelike facial expressions. Powered by the company’s proprietary EB100 chip, these humanoid robots do not just look human; they blink, smile, and convey genuine emotions, creating deeper bonds with their human companions.

未来的人机交互，将不止于动作。本届数贸会上，万有引力（宁波）电子科技有限公司展示全球首个机器人“灵动脸”技术，吸引不少观众驻足。基于该公司自研的EB100芯片，人形机器人不仅“长”出栩栩如生的脸，还能用眨眼微笑等表情传递情感，更好地陪伴人类。

This is just the first step in GravityXR’s layout for embodied intelligence. Going forward, the company’s 5nm spatial computing chip will act as a brain of robots, allowing them to perceive the external environment and issue decision-making instructions, and enhancing their ability to interact with humans. In the future, having a “silicon-based companion” per person will no longer be a dream.

这只是“万有引力”布局具身智能的第一步。后续，该公司的5nm空间计算芯片，能够为机器人装上感知外部环境、下达决策指令的“大脑”，提升其“与人打交道”的能力。今后，人手一台“硅基伙伴”将不是梦想。

The promise of a people-centered technological future—where innovation serves people’s needs and enriches lives—is becoming beautifully real.

一幅“以人为本，技术向善”的未来画卷，正愈发清晰地徐徐铺展。

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