



类人灵巧操作具身智能机器人引领者



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Casia Hand[®]

新纪元

开启机器人

硅基生命

ACTIVATE THE SILICON-BASED
LIFE OF ROBOTS

New Era



目录 CONTENT

- 01 公司简介 Company Profile
- 03 产品体系 Products portfolio
- 05 发展历程 Development history
- 07 应用场景 Application scenarios

- 09 奖项荣誉 Awards & honors
- 11 媒体报道 Media report
- 13 领导关怀 Leadership care

COMPANY PROFILE

公司简介

中科硅纪(南京)机器人有限公司,通用类人灵巧操作具身智能机器人引领者。孵化自具身智能国家队——中国科学院自动化研究所多模态人工智能系统全国重点实验室,是按照新模式批准成立的首个混合所有制企业,实现了知识产权和成果的快转化落地,得到了各方面的全方位支持。

中科硅纪 Casia Hand 创始团队,十多年来专注于机器人上肢灵巧操作能力的突破,建立了完备的类人灵巧操作具身智能机器人“全栈技术体系”。连续在机器人学顶级国际期刊 TRO (IEEE Transactions on Robotics) 发表突破性成果。标志着中科硅纪成为国际上兼具类人灵巧操作硬件和具身智能算法的顶级团队,并在工业、家庭、特种等应用领域建立了显著技术优势。

创始团队自主研发的 Casia Hand 类人灵巧操作具身智能机器人全系列产品,先后获“第 49 届日内瓦国际发明展金奖”、“ISTA 全球创新与发明奖”、“红点奖 (Red Dot Award)”等国际大奖,以及“恰佩克奖”、“具身智能算法革新奖”、“人形机器人技术突破奖”、“最具投资价值 ToP50”,和多项“创新创业大赛一等奖”等重要奖项。

连续被央视新闻联播、央视朝闻天下、央视财经频道、央视新闻频道、新华社、人民网等国家级媒体报道,通过了欧盟 CE、北美 FCC 等国际产品认证。实现了从实验室到产业化的关键跨越,为解决机器人领域的“最后一公里”难题开辟新途径,展现出卓越的技术实力和广阔的市场前景。

高起点、高标准推动公司快速商业化,以细分场景和典型用户为牵引,快速建立了“部件 - 算法 - 整机 - 训练场”全系列行业应用级产品,与多家上市公司建立了合作关系,加速在工业 - 服务 - 特种等垂直场景的落地应用。

CasiaHand Robotics Co., Ltd. is a pioneer in versatile, general-purpose AI-driven humanoid robots with advanced dexterous manipulation capabilities. Originating from the National Key Laboratory of Multimodal Artificial Intelligence Systems at the Institute of Automation, Chinese Academy of Sciences. It is the first mixed-ownership enterprise established under a new model. CasiaHand successfully accelerates the transformation of intellectual property and research into practical applications, receiving comprehensive support from various sectors.

For over a decade, the founding team of CasiaHand Robotics has pioneered breakthroughs in dexterous robotic manipulation through cutting-edge hardware and software innovations. We have developed a comprehensive ecosystem of technologies and products enabling human-like dexterous manipulation and embodied AI robotics. Our groundbreaking research has been consistently published in top-tier international journals, including IEEE Transactions on Robotics (TRO). These accomplishments position CasiaHand as a world-leading team that seamlessly integrates humanoid dexterous hardware with embodied intelligence algorithms, delivering significant technological advantages across industrial, domestic, and specialized application fields.

The Casia Hand series of humanoid intelligent robots, independently developed by the founding team, has received numerous prestigious international awards, such as the Gold Medal and ISTA Global Innovation, Invention Award at the 49th Geneva International Exhibition of Inventions, 2025 German Red Dot Award, 11th Capek Awards, Embodied Intelligence Algorithm Innovation Award, Humanoid Robot Technology Breakthrough Award, Top 50 Most Investable, and First Prize in the Finals of the 2024 UCAS Cup Innovation and Entrepreneurship Competition.

The company has been repeatedly featured by major media outlets such as CCTV News, CCTV Finance, CCTV News Channel, Xinhua News Agency, and People's Daily Online. Its products have obtained international certifications including the EU CE and North American FCC. This marks a critical leap from laboratory research to industrialization, opening new pathways to address the “last-mile” challenge in the robotics field and demonstrating outstanding technological strength and vast market potential.

Driven by high standards and a strong foundation, the company has experienced rapid growth since its establishment. It quickly secured tens of millions in funding and established a comprehensive product ecosystem spanning components, algorithms, integrated systems, and training environments. CasiaHand has formed partnerships with several publicly listed companies, accelerating the deployment and commercialization of its solutions across industrial, service, and specialized vertical scenarios.

部件

Component



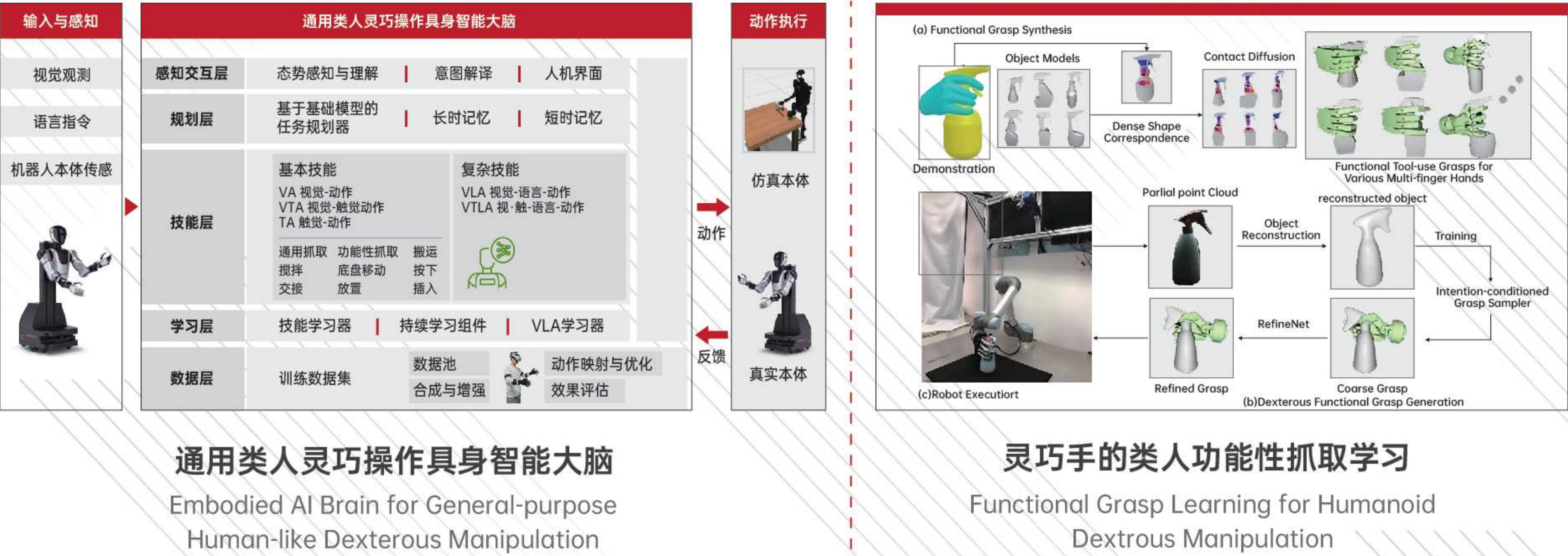
整机

Intelligent robot system



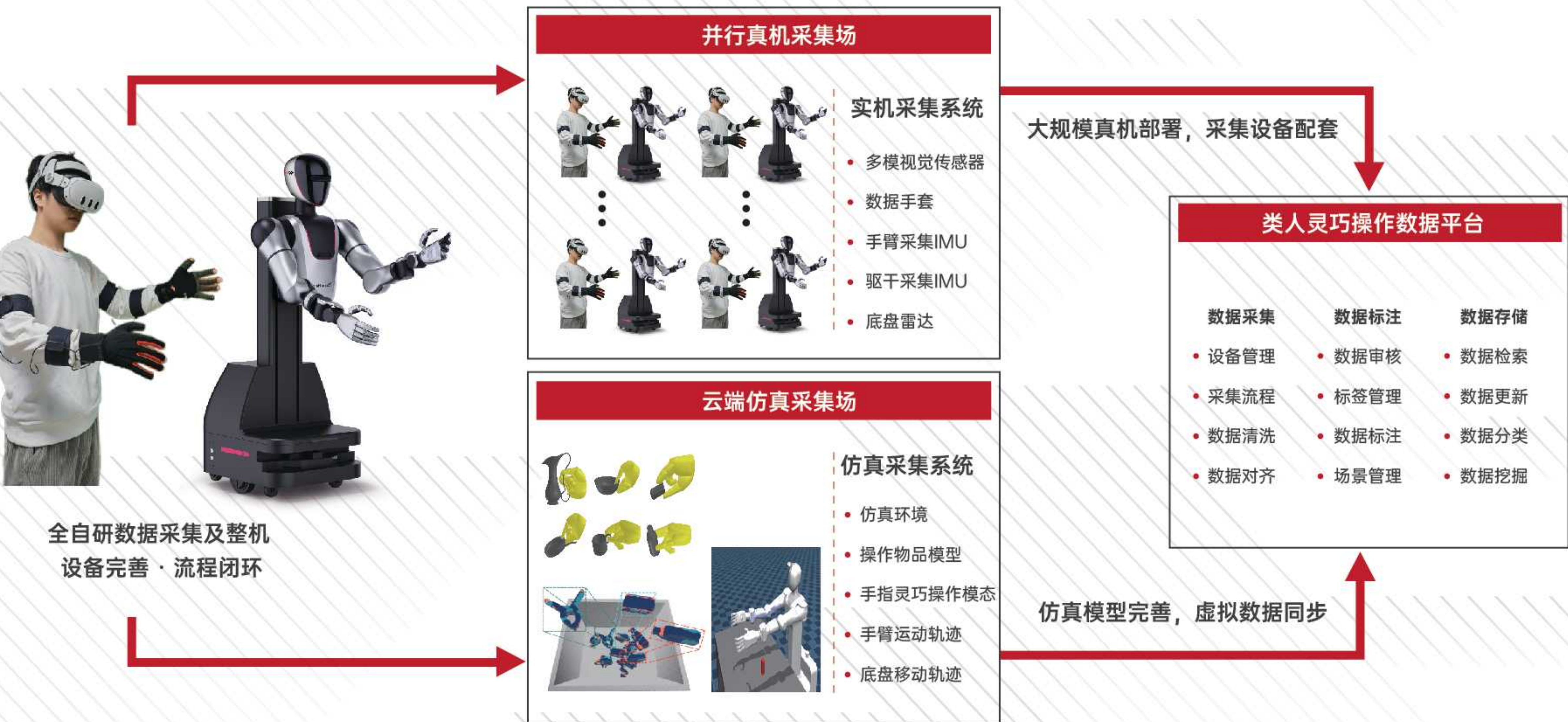
大脑

Brain



训练场

Training ground



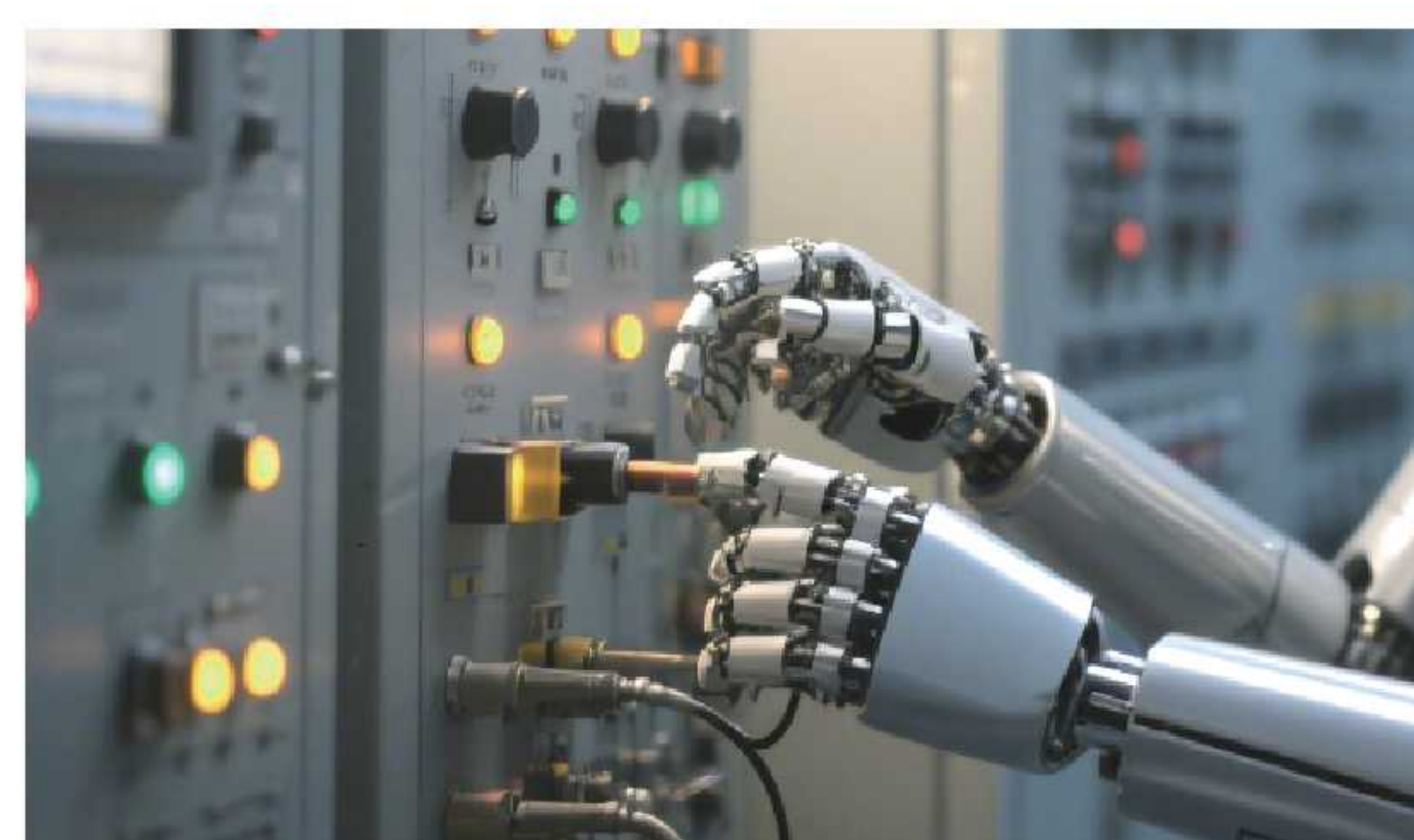


APPLICATION SCENARIOS

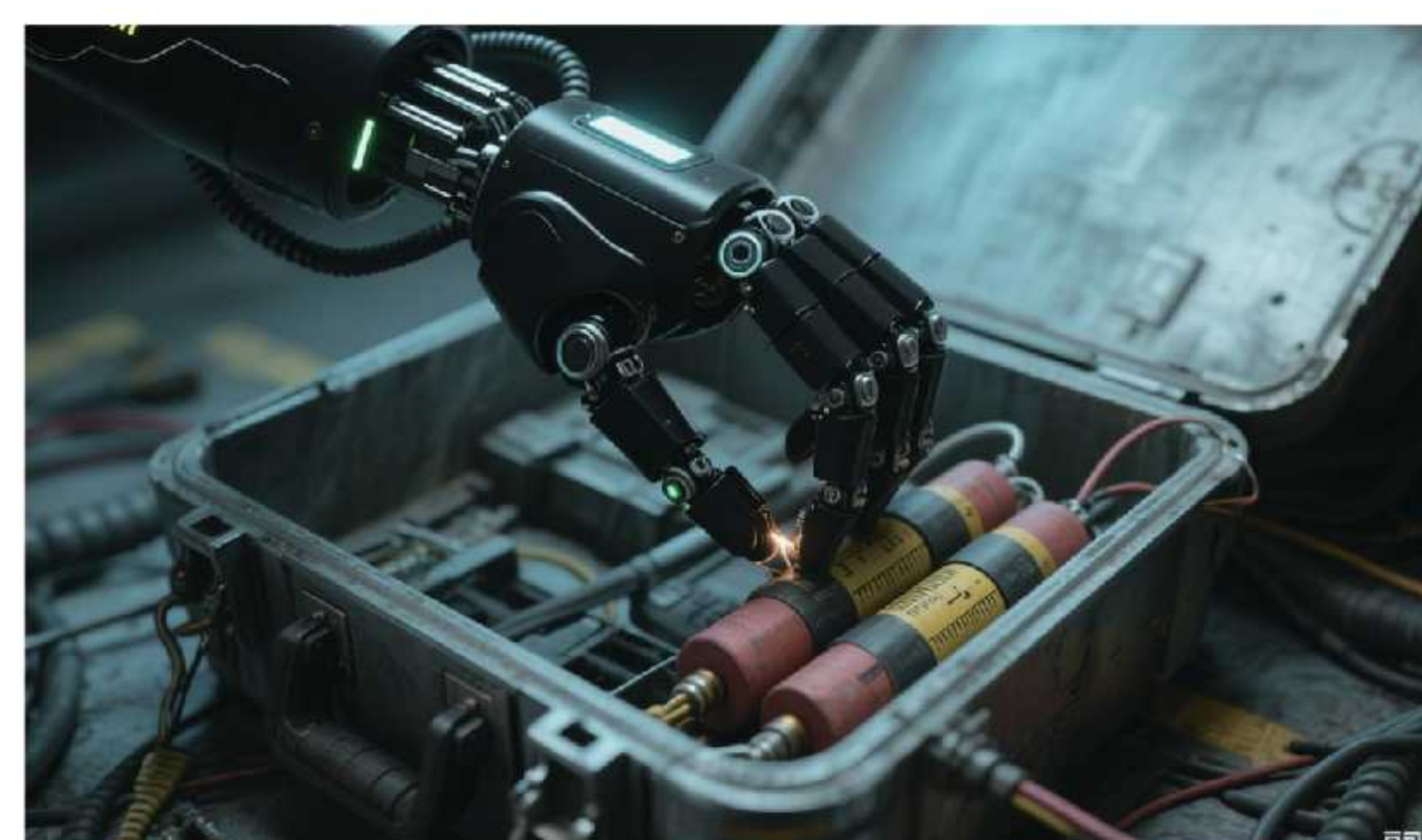
应用场景

特种场景

Special scenarios



电力-能源-化工
Electricity - Energy - Chemical industry



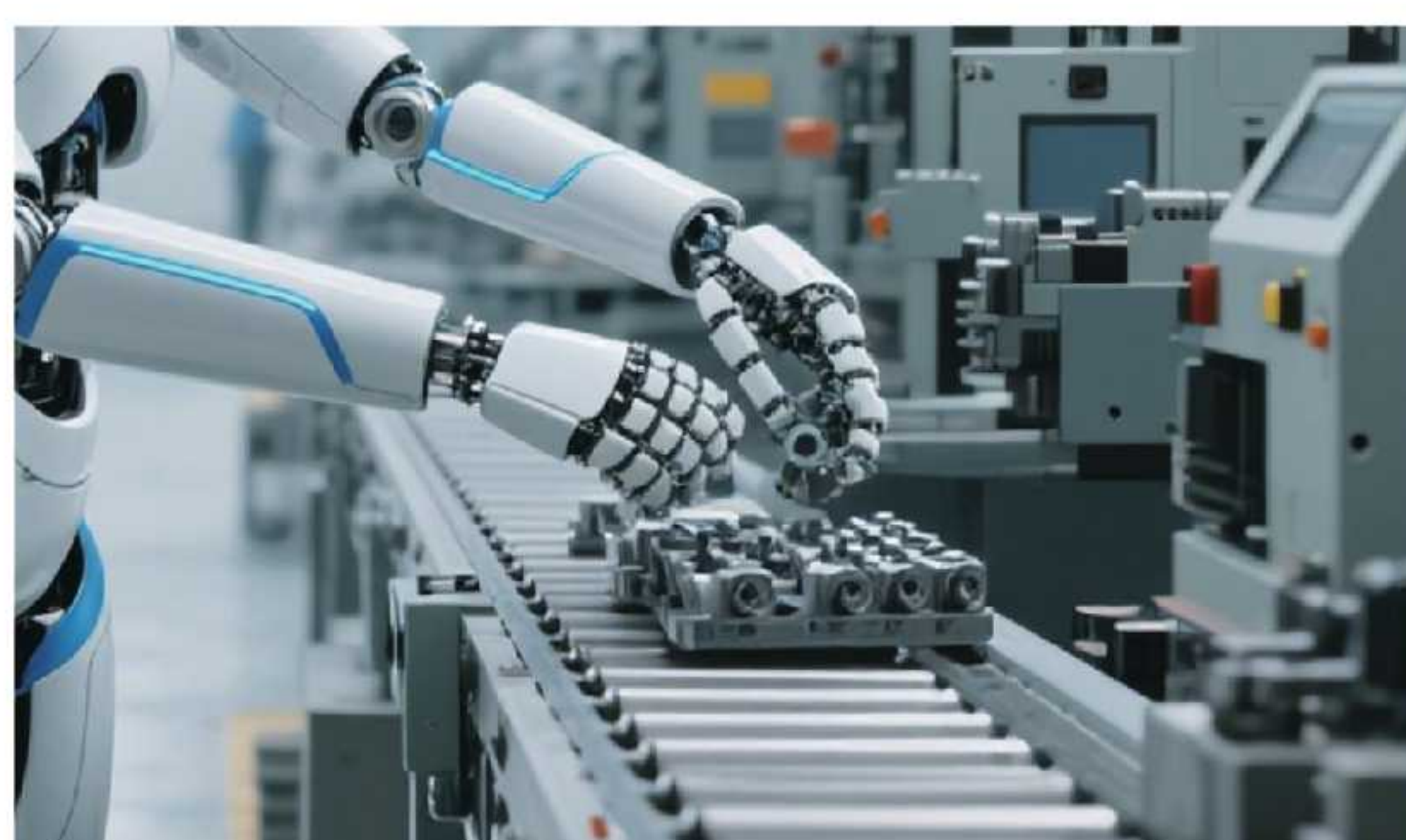
警用-消防-应急
Police - Fire protection - Emergency



航空-航天-军事
Aviation - Aerospace - Military

工业场景

Industrial scene



柔性上下料
Flexible loading and unloading



零部件分拣
Component sorting



装配与质检
Assembly and Quality Inspection

服务场景

Service scenario



物流分拣
Logistics sorting



公共服务
Public service



家务整理
Housework arrangement

教育科研

Educational research



零部件
Components



整机平台
Robot platform



解决方案
Solution

AWARDS & HONORS

奖项荣誉

中科硅纪凭借卓越的创新实力和领先的技术水平，在国内外科技智造领域屡获殊荣，先后斩获国家级、省级创新创业大赛奖项，并得到权威机构认可，彰显了行业领先地位。

Casiahand Robotics has demonstrated outstanding innovation and technological leadership, earning multiple prestigious awards in domestic and international smart manufacturing competitions, including national and provincial honors, solidifying its industry-leading position.

- 49届日内瓦国际发明展“金奖”和“ ISTA全球创新与发明奖”
Gold Medal and ISTA Global Innovation & Invention Award at the 49th Geneva International Exhibition of Inventions
- 2025年度德国“红点奖”
The 2025 German “Red Dot Award”
- 2025年“具身智能算法革新奖”、“人形机器人技术突破奖”、“最具投资价值TOP50”
2025 "Embodied Intelligence Algorithm Innovation Award", "Humanoid Robot Technology Breakthrough Award", and "Top 50 Most Investable Companies"
- 11届恰佩克奖（机器人界的诺贝尔奖）“年度新锐品牌奖”和“年度新锐企业家”
Rising Brand of the Year Award and Emerging Entrepreneur of the Year Award at the 11th Capek Awards (known as the "Nobel Prize of Robotics")
- 2025年“科技镇长团杯” 第八届江苏省青年创新创业大赛总决赛一等奖
First Prize in the Finals of the 8th Jiangsu Youth Innovation & Entrepreneurship Competition ("Science & Technology Town Delegation Cup") in 2025
- 2024年“国科大杯”创新创业大赛总决赛一等奖
First Prize in the Finals of the 2024 UCAS Cup Innovation & Entrepreneurship Competition
- 2024年“创青春”创新创业大赛南京市一等奖、江苏省二等奖、国家级三等奖
2024 First Prize (Nanjing), Second Prize (Jiangsu Province), and Third Prize (National) in the "Chuang Qingchun" Innovation and Entrepreneurship Competition
- 2024年“CAS概念验证计划”二等奖
2024 "CAS Concept Verification Program" 2nd Prize



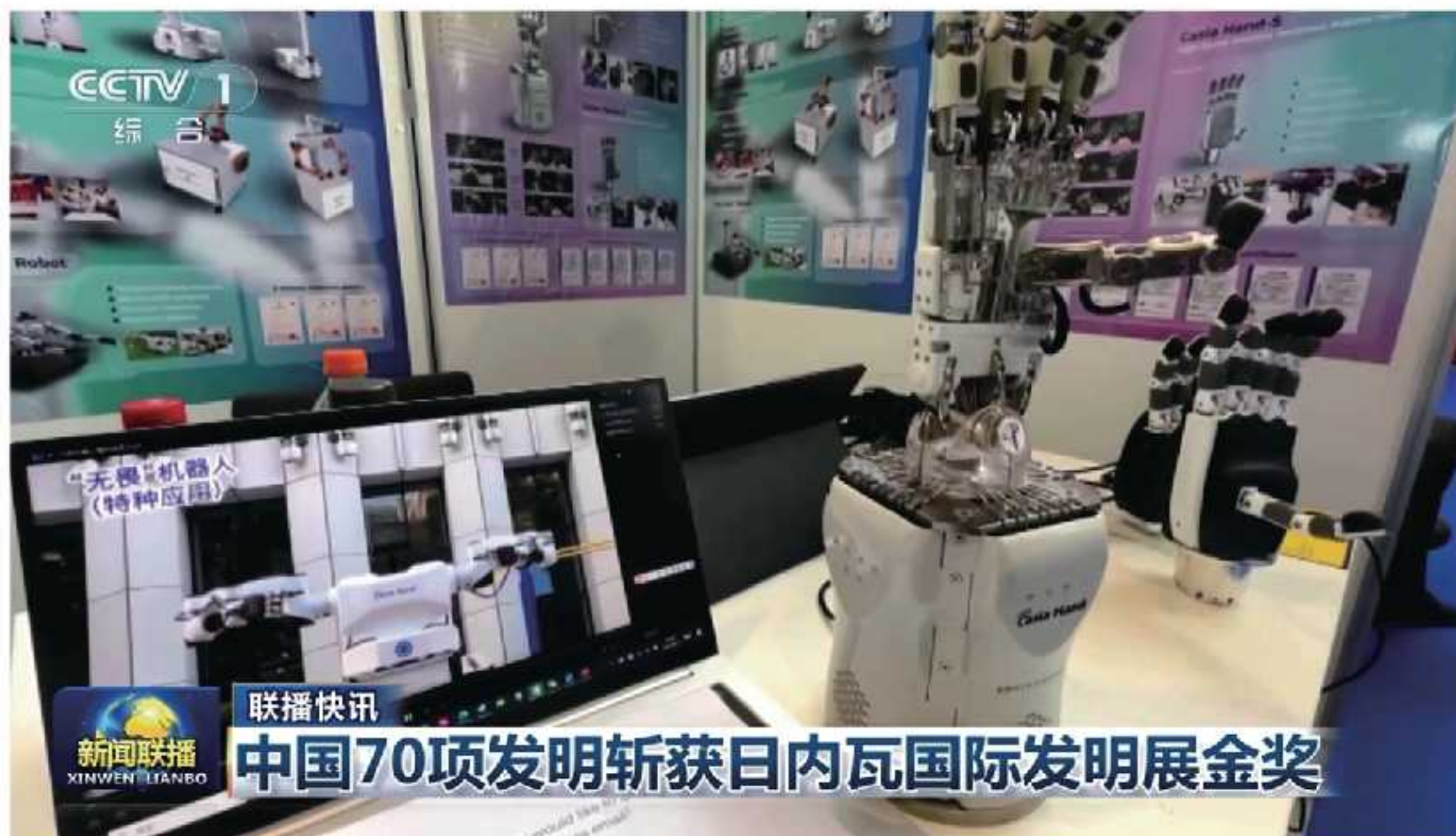
MEDIA REPORT
媒体报道

中科硅纪 Casia Hand 系列灵巧手及灵巧操作机器人, 受到央视、
人民网、新华社等媒体和社会公众的广泛关注。

The Casia Hand series of dexterous hands and dexterous operation robots
have received extensive attention from media such as CCTV, People's Daily
Online, Xinhua News Agency, and the general public.



► 中科硅纪创始人王鹏研究员
接受央视 CCTV2 专访
Researcher Wang Peng,
the founder of Casiahand robotics,
was interviewed by CCTV2



► 中央电视台新闻联播
CCTV News Broadcast



► 中央电视台朝闻天下
CCTV Morning News



► 中央电视台新闻频道
CCTV News Channel



► 人民网
People's Daily Online



► 新华社
Xinhua News Agency



► 江苏卫视
Jiangsu Satellite TV



► 中科硅纪团队连续 3 年参加
WRC 世界机器人大会

The Casiahand robotics team has
participated in the WRC World Robot
Conference for three consecutive years

LEADERSHIP CARE

领导关怀

自成立以来，中科硅纪始终受到国家及地方政府的高度关注与支持，多位领导亲临调研指导，为公司提供了政策扶持与资源对接，助力企业在机器人领域实现快速成长与技术突破。

Since its establishment, Casiahand robotics has received high attention and support from the national and local governments. Many leaders have visited for research and guidance, providing policy support and resource connection for the company, and helping the enterprise achieve rapid growth and technological breakthroughs in the field of robotics.



- 中国驻瑞士大使王世廷，应邀出席第49届日内瓦国际发明展并考察本项目。

The Ambassador of the People's Republic of China to Switzerland, Wang Shiting was invited to attend the 49th Geneva International Exhibition of Inventions and inspect this project.



- 江苏省人大常委会常务副主任、党组书记樊金龙率队调研中科硅纪。

Fan Jinlong, the executive deputy director and deputy secretary of the Party group of the Standing Committee of the People's Congress of Jiangsu Province, led a team to conduct research on Casiahand robotics.



- 全国政协副主席、农工党中央常务副主席杨震率队调研中科硅纪。

Yang Zhen, Vice Chairman of the National Committee of the Chinese People's Political Consultative Conference and executive vice Chairman of the Central Committee of the China Agricultural Workers' and Peasants' Democratic Party, led a team to conduct research on Casiahand robotics.



- 江苏省工业和信息化厅厅长、党组书记朱爱勋率队调研中科硅纪。

Zhu Aixun, the director and secretary of the Party Leadership Group of the Department of Industry and Information Technology of Jiangsu Province, led a team to investigate Casiahand robotics.



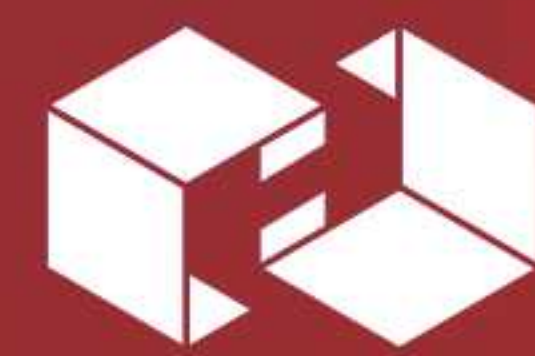
- 江苏省人民政府副省长、省政府党组成员李忠军率队调研中科硅纪。

Li Zhongjun, the Vice governor of the Jiangsu Provincial People's Government and a member of the Party Group of the Provincial Government, led a team to investigate Casiahand robotics.



- 中科院自动化所所长徐波、南京麒麟科创园管委会主任樊向前率队调研中科硅纪。

Xu Bo, the director of the Institute of Automation of the Chinese Academy of Sciences, and Fan Xiangqian, the director of the Management Committee of Nanjing Qilin Science and Technology Innovation Park, led a team to investigate Casiahand robotics.



中科硅纪
CASIAHAND ROBOTICS

开启机器人硅基生命新纪元