SINSUN



- www.siasun.com -



新松机器人自动化股份有限公司 SIASUN ROBOT & AUTOMATION CO., LTD.

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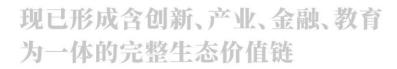
■■ ®2021 SIASUN ROBOT & AUTOMATION CO.,LTD.

新松服务号









SIASUN has formed an ecosystem Consisted of industry, education, finance and innovation



生态新松

Ecosystem



创新新松 Innovation





产业新松



SIMSUN

ECOSYSTEM OF SIASUN 生态新松

整合资源,打造平台型企业集创新、产业、金融、教育于一体的生态战略引领机器人产业向"智时代"跨越式发展

Integration of resources, to build a platform-based enterprise SIASUN is creating an ecological stratagem consists of innovation, industries, finance and education Lead robotic industry great-leap-forward development into intelligent age

ENTERPRISE 公司介绍 INTRODUCTION

沈阳新松机器人自动化股份有限公司(以下简称"新松")成立于2000年,是一家以机器人技术为核心的高科技上市公司。作为国家机器人产业化基地,新松拥有4000余人的研发创新团队,同时依托中科院沈阳自动化研究所强大的技术实力,坚持以市场为导向开展技术创新,形成了完整的机器人产品线及工业4.0整体解决方案。

新松本部位于沈阳,在上海设有国际总部,在沈阳、上海、青岛、天津、无锡建有产业园区。新松积极 布局国际市场,在韩国、新加坡、泰国、马来西亚、德国、香港等地设立多家控股子公司及海外区域中 心,已形成以自主核心技术、核心零部件、核心产品及行业系统解决方案为一体的全产业价值链。

新松成功研制了具有自主知识产权的工业机器人、移动机器人、特种机器人、协作机器人、医疗服务机器人五大系列百余种产品,面向半导体装备、智能装备、智能物流、智能工厂、智能交通,形成十大产业方向,致力于打造数字化物联新模式。产品累计出口40多个国家和地区,为全球4000余家国际企业提供产业升级服务。

新松紧抓全球新一轮科技革命和产业变革契机,发挥人工智能技术的赋能效应,以工业互联网、大数据、云计算、5G网络等新一代科技推动机器人产业平台化发展,打造集创新链、产业链、人才链于一体的生态体系。新松不断推进科研成果深度应用,为新型基础设施建设、国家重大工程建设提供内生动力,为产业协同创新、造福民生福祉赋予澎湃动能。聚焦核心技术,共享智能时代。

智慧新松, 创领未来!

SIASUN is a high-tech listed enterprise, which was established in the year of 2000. SIASUN is also National Engineering Research Center focusing on robotic technology, the whole group has more than 4,000 R&D talents. Meanwhile, it relies on the strong technical strength of Shenyang Institute of Automation (SIA), adheres to the market-oriented technological innovation and has formed a complete robot product line and the overall solution of industry 4.0.

SIASUN group HQ locates in Shenyang and international HQ locates in Shanghai. SIASUN has industrial parks located in Shenyang, Shanghai, Qingdao, Tianjin and Wuxi. SIASUN actively explores the international market. SIASUN has a number of holding subsidiaries and overseas regional centers in South Korea, Singapore, Thailand, Malaysia, Germany and Hong Kong, etc. SIASUN has formed a whole industrial value chain consisted of core technologies, core components, leading products and industry solutions.

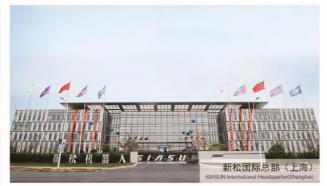
SIASUN has a unique advantage on providing digital manufacturing solutions. It has independently developed hundreds kinds of robot products belonging to five series (namely industrial robot, mobile robot, special robot, collaborative robot and medical & service robot), and five intelligent integrated system divisions (namely semiconductor equipment, intelligent equipment, intelligent logistics, smart factory and intelligent transportation). SIASUN has provided industrial updating services to more than 4,000 international enterprises. Products have been exported to more than 40 countries and areas.

SIASUN will catch the opportunity of technological revolution and industrial transformation in the world and take full advantage of AI, to push the fast development of robotic industry based on cutting-edge technologies such as big data, supercomputing, 5G, brain science. SIASUN has formed an ecosystem consisted of Innovation Chain, Industry Chain and Talents Chain, and increasing customers' core competitiveneess and pushing forward the intelligent updating of industry. Focuses on core technologies and leads the trend of development, SIASUN will constantly promoting the in-depth application of scientific research achievements by providing the inner driving force for the construction of New Infrastructure and major national projects, and giving a powerful driving force for industrial collaborative innovation and the benefits of people's livelihood.

Smart SIASUN Lead future!















SINSUN

INNOVATION OF SIASUN 创新新松

从自主创新研发,到改写没有机器人出口的历史 从融合前沿技术,到推动中国机器人产业的崛起 新松不断孕育着创新的动能

From self-innovate and develop to rewritten the China robots export history From integrating of cutting-edge technologies to promote the development of Chinese robot industry SIASUN is continuously releasing its unique driving force

创新 NNOVATION

新松公司拥有以院士、博士及高级专业为核心的 4000 余人的国家级创新和研发团队, 技术研发人员占全体员工 75% 以上, 团队规模在全球机器人行业也属罕见。新松拥 有"院士专家工作站"、"博士后科研工作站"等殊荣,创新产品及系统产出率80% 以上。员工专业涉及自动控制技术、人工智能技术、机械设计与制造等,是公司坚 持自主研发的中坚力量。

SIASUN talent team is rare in robotic industry globally-having a national level R&D team consisted of over 4000 employees guided by academicians and doctors; technical R&D personnel account for more than 75% of the staff. SIASUN has many awards such as Academician & Expert Workstation and Post-Doctoral Research Center. Innovative products and system production rate is over 80%, SIASUN staff majors cover Automatic Control Technology, Al Technology, Machinery Design and Manufacture, etc. who are the backbone force of enterprise's independent innovation.

> Innovation Team

4000 余人 创新研发 团队

博士为 核心国家级 创新团队





公众级创新平台

Public Level Innovation Platform

整合社会各界优秀创新资源

企业级创新平台

Enterprise Level R&D Platform

承担公司战略产品的研发 Undertake the R&D of Strategic Products

中央研究院 SIASUN Center Research Institute

国家博士后科研工作站 National Post-Doctoral R&D Workstation

十大产业群组创新平台

10 Industries Groups Innovation Platform

以市场为导向进行应用技术研发

工业机器人 BG Industrial Robot BG

移动机器人 BG Mobile Robot BG

特种机器人 BG Special Robot BG

半导体装备 BG Semiconductor Equipment BG

医疗服务机器人 BU Medical & Service Robot BU

智能交通 BG Intelligent Traffic BG





技术研发 人员占全体 员工 75% 以上









创新产品



创新 NNOVATION

Z

虚拟化技术

人工智能

AR/VR技术 环境感知技术 力/触觉感知

loT

M2M技术 数据传输

云计算平台管理 机器人 **每量数据管理技**才

新一代工业机器人 人机协作机器人 医疗服务机器人 特种机器人

智能智造

智能设备 智能系统 智能决策

网络安全

大数据

数据采集与分析 数据管理 数据应用实践

Core Technologies

Robot

New Generation Industrial Robot Collaborative Robot Medical & Service Robot Special Robot

Artificial Intelligence

AR/VR Technology **Environmental Sensing Technology** Force/Tactile Sensing Technology

IOT

M2M Data Transmission **Network Security**

Big Data

Data Collection & Analysis Data Management **Data Application Practices**

Cloud

Virtualization Technology Cloud Computing Platform Management Massive Data Management Technology

Intelligent Manufacturing

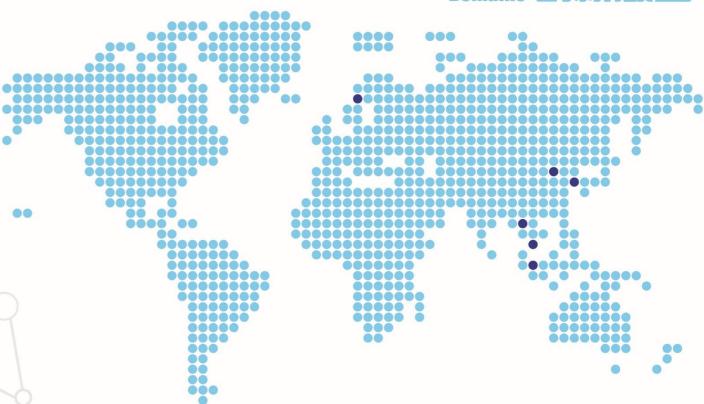
Intelligent Equipment Intelligent System Intelligent Decision

Intelligent Softwares

新松研发及服务中心已覆盖欧、美、亚等多个国家和地区

SIASUN R&D and service centers are located in many countries & areas in Europe, America and Asia.

Innovation 创新版图





欧洲研发中心 Europe R&D Center



中国区研发中心 Asia-pacific China R&D Center



亚太区韩国研发中心 Asia-pacific Korea R&D Center



亚太区新加坡服务中心 Asia-pacific Singapore Service Center



亚太区泰国服务中心 Asia-pacific Thailand Service Center



亚太区马来西亚服务中心 Asia-pacific Malaysia Service Center



SIMSUN

INDUSTRIES OF SIASUN 产业新松

百余种系列机器人,铸就了今天的机器人王国 精湛的技术更让行业系统解决方案水到渠成 用智慧灵动思想,推动产业转型升级 机器人正改变着我们的生产和生活方式

We have today's Siasun because of the hundreds of series of robot product that we created.

We have todays' industrial system solution because of the impeccable technologies and techniques.

We push the industrial transformation and upgrade, with wisdom mind and smart ideas,

We, with robot, are changing our way of manufacturing and way of life.

INDUSTRIAL MODE 产业模式

涵盖 机器人全产业价值链

Covers Robotic Industrial Whole Value Chain

核心技术

人工智能 智能制造

控制与驱动技术

智能决策技术

网络技术

高性能本体

人机交互

云计算 大数据

核心專部件

工业控制芯片 机器人控制器 伺服驱动器 伺服电机 减速机 编码器

核心产品

机器人

工业机器人

协作机器人

洁净机器人

移动机器人

医疗服务机器人

特种机器人

工业4.0

智能工厂

智能装备

智能物流

半导体装备 智能交通

行业解决方案

工业机器人系统

智能装备系统

智能物流系统

移动机器人系统

特种机器人系统

医疗服务机器人系统

洁净自动化系统

轨道交通系统

智慧城市

智慧医疗

智慧生活

Core Technology

Artificial Intelligence
Intelligent Manufacturing
Control & Driving Technology
Intelligent Decision Technology
Network Technology
High-performance Robot Body
Man-machine Interaction
Cloud Computing
Big Data

Core Parts

Industrial Control Chips Robot Controller Servo Drives Servo Motor Reduction Drive Encoder

Core Products

Robot

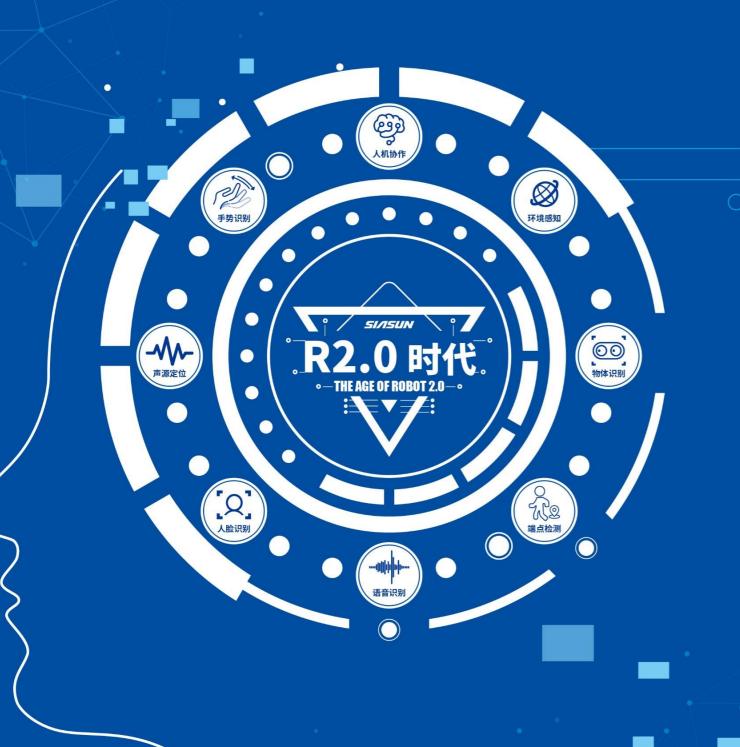
Industrial Robot Collaborative Robot Clean Room Robot Mobile Robot Medical & Service Robot Special Robot

Industry 4.0

Intelligent Factory
Intelligent Equipment
Intelligent Logistics
Semiconductor Equipment
Intelligent Traffic

Industrial Solution

Industrial Robot System
Intelligent Equipment System Integration
Intelligent Logistics System
Intelligent Mobile Robot System
Special Robot System
Medical & Service Robot System
Clean Room Automation System
Rail Transit Automation System
Smart City System
Smart Healthcare Solution
Smart Family Solution



INTELLIGENCE RTIFICIAL 人工智能

在多领域技术跨界共生的智能时代, 机器人产业已呈现平台化发展 趋势,融合了人工智能技术的新一代机器人焕发出无限可能。基于 多年的技术储备及海量的工程项目经验,新松深度融合机器人、人 工智能、物联网技术,推动机器人产业步入R2.0时代。在机器人新 硬件研发、控制系统开发、交互融合设计等方面取得了质的突破, 研发了系列新型工业机器人、复合机器人、医疗服务机器人等创新 产品,实现了机器人在计算智能、感知智能、认知智能的跨越式发 展, 使机器人在自主性上大幅提升, 更加具备"人"的属性。系列 产品已在新型工业、民生、医疗、养老等领域得到广泛应用。

In the era of intelligent, robotic industry has become an integrated platform of multidisciplinary technologies. The new generation robot combined with AI technology can serve in a wider application and create infinite possibility. Based on years of technical reserves and huge amounts of project experience, SIASUN makes a depth fusion of robot, Al and IoT, to push forward the robotic industry develop into era of R2.0. Great breakthroughs have achieved on the scope of robotic hardware R&D, control system R&D and interactive integration development. SIASUN successfully develops series of new type of industrial robots, automated mobile robots, Medical & Service robots and other innovative products, which realize robots' leap-forward development from computational intelligence, perceptive intelligence to cognitive intelligence. Robots become more autonomous and humanized. Series products have been used in a new manufacturing, health care, elder care, etc.



- Environment Sensing
- Object Recognition
- Endpoint Detection
- Speech Recognition
- Face Recognition
- Sound Localization
- Gesture Recognition















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ROBOT 机器人

INDUSTRIAL ROBOT 工业机器人











新松多可[®]协作机器人具备快速配置、牵引示教、视觉引导、碰撞检测等功能,特别适用于布局紧凑、精准度高的柔性化生产线,满足精密装配、产品包装、打磨、检测、机床上下料等工业操作需要。

Collaborative robots are particularly suitable for flexible production lines with compact layout and high precision to conduct precision assembly, product packaging, polishing, testing, machine loading and unloading and other industrial operations, with their high flexibility, precision, and safety, will open up a brand new way of industrial production and lead the new era of human-machine collaboration.

















ROBOT 机器人

MOBILE ROBOT

➡ 移动机器人







新松特种机器人是为了满足不同行业 客户对于机器人产品个性化定制的需 求,新松公司已将机器人、自动化技 术在众多国民经济重点领域成功推广 和应用。

SIASUN special robots are designed to meet customer needs in different industries. SIASUN successfully promotes the application of robot & automation in many national key areas.

















ROBOT 机器人

MEDICAL & SERVICE ROBOT

🕏 医疗服务机器人

















新松云健康智慧康养平台主要面向社区服务、养老机构以及政府单位,用于完善社区养老、机构养老服务。客户通过平台对范围内老年人的康养全过程进行监管,实现整个过程的数据可视化。

SIASUN cloud and intelligent health care platform is mainly designed for community services, pension institutions and government units, which is used to improve community pension and institutional pension services. Customers can supervise the whole process of health care for the elderly through the platform, and realize the data visualization.

智慧康养创新体系

Smart Healthcare/ Elderly Healthcare/ **Wellness System**

作为中国智造全球名片,新松依托机器人、人工智能、5G、物联网等尖 端技术,打造面向养老助残、医疗康复、公共服务等领域的全系列康养 设备、系统与平台。为用户量身定制科学专业的康养解决方案,向专业 机构提供准确可靠的数据及设备管理服务平台。全方位整合社会资源, 构造新型的智慧康养产业模式,解决助残、康复、养老等社会问题,提 升特殊群体生活品质。

As a representative hi-tech enterprise of China Smart Manufacturing, SIASUN is very proud to introduce the full range of elderly care product and system platform. We utilize core leading technology in robotic, AI, 5G, and IoT to be able to provide customized designed healthcare solution. We serve to provide professional institution client with reliable data and equipment management platform. Siasun is aiming to create a whole new smart elderly healthcare business model based on a comprehensive social resource integration. This will solve social problems such as disability assistance, rehabilitation, and elderly care. Meanwhile it will improve the quality of life of special groups whos' in need.

- ·智能医疗服务产品
- ·智能医疗辅助产品
- ·智慧生活产品
- ·智能护理床产品
- ·智能行走辅助产品
- ·智能医疗康复产品

- · Intelligent Medical Service Products
- · Intelligent Medical Assistant Products
- · Smart Life Products
- · Intelligent Nursing Bed Products
- · Intelligent Walking Assistant Products
- · Intelligent Medical Rehabilitation Products





INDIVIDUAL

5Ĝ



FAMILY



HOSPITAL





RELATED





智能养老服务平台







智能助残服务平台

主动健康



智能医疗服务平台



医疗康复 Medical Rehabilitation

智能照护















I_{4.0} NDUSTRY 工业4.0

工业 4.0 的核心为 "智能制造", 可在生产要素高度灵活配置条件 下大规模生产高度个性化产品,将生产设备、生产系统、业务管理 系统全部联接起来, 形成新的信息物理系统, 从根本上改变了制造 模式。新松基于云计算、物联网、智能工业机器人、智能设备等先 进技术手段, 推进企业生产装备智能化升级, 以工控系统、智能感 知元器件、工业云平台、操作系统和工业软件等核心环节为突破点, 为企业量身打造制造执行系统 (MES), 与企业现有 ERP、CRM 及 MIS 系统实现完美对接, 通过信息传递对从订单下达到产品完成的整个 生产过程进行优化管理。有效支撑中国制造业智能转型。

Intelligent manufacturing is the core of Industrial 4.0. It focus on mass production of highly personalized products due to highly flexible configuration of production factors, and make connection of manufacturing equipment, production systems and business management system, forming new information physical systems, which has fundamentally changed the manufacturing model. SIASUN can provide international leading level digital manufacturing workshop solution based on cloud computing, Internet of things, intelligent industrial robot, intelligent equipment and other advanced technology. Applying industrial control system, intelligent sensing components, industrial cloud platform, operating system and software in the production chain, SIASUN can provide custom MES system to fit for enterprise currently using ERP, CRM & MIS system. By applying SIASUN MES, one company can optimize production and manufacturing modes, strengthen process control & management and achieve goal of delicacy management. SIASUN can effective supportmanufacturing intelligent transformation.









工业机器人





dustrial Things of Internet



综合监控 Integrated Monitoring

III III.

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应用领域 APPLICATIONS







工程机械领域











加工自动化生产线





装配检测系统









核心技术及产品 Core Technology & Products **号领智能制造新方向**Lead the Development of Intelligent Manufacturing







INDUSTRY 4.0 工业4.0

INTELLIGENT EQUIPMENT



leading place in robotic application area. Based on years of projects' experience, it can provide





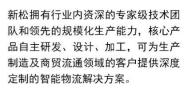


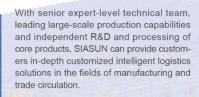
















international leading level custom whole solution.







INDUSTRY 4.0 工业4.0

INTELLIGENT TRAFFIC **智能交通**







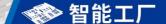








INTELLIGENT FACTORY



作为机器人产品线完备的企业,新松 依据工业 4.0 的理念,将核心的系列 机器人、智能装备和信息系统三者高 度融合, 实现产品从设计到制造全生 命周期的智能化、数字化和无人化, 提升企业智能化水平。

According to Industrial 4.0 theory, SIASUN makes a perfect integration of robots, intelligent equipment & information system to realize fully intellectualization, digitization and unmanned operation from designing to manufacturing during the whole life cycle of products, which extremely promotes enterprise intellectualization level.











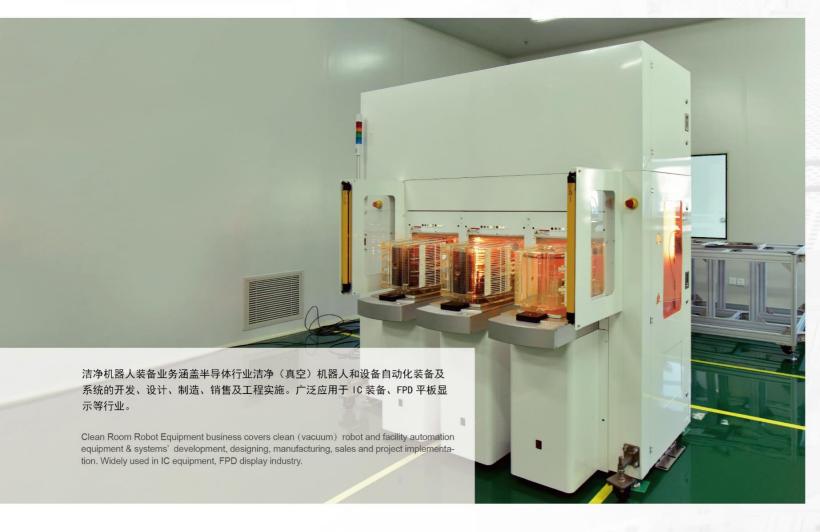




INDUSTRY 4.0 工业4.0

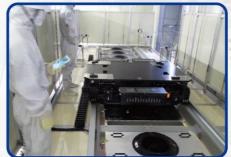
CLEAN ROOM ROBOT EQUIPMENT

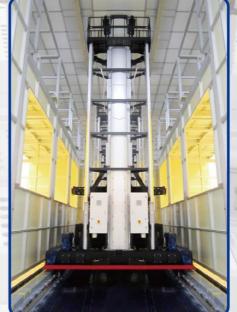












CLEAN ROOM FACTORY EQUIPMENT

🎉 洁净工厂装备

洁净工厂装备的 AMHS 系统是芯片和面板制造工厂的大动脉,新松的 AMHS 系统拥有行业先进的硬件和控制系统,正在为世界各地的半导体工厂和平板显示工厂提供高效可靠的物料搬运解决方案。

Clean Room Factory Equipment's AMHS system is the great arteries in semiconductor manufacture factory, SIASUN's AMHS has the advanced technology and control system, is servicing many semiconductor factories and panel display factories by efficient and reliable solution around the world.



















SIMSUN

ACHIEVEMENTS OF SIASUN

成就新松

难以计数的攻关与突破背后,是孜孜不倦地潜心探索 新松笃定前行,成就不凡

Behind numbers of difficulties and barriers, SIASUN continually explore, move forward, and gain extraordinary achievements

INDUSTRY POSITION 行业地位

机器人国家工程研究中心

中国名牌产品

国家91家创新型企业

信息系统集成及服务大型一级企业

计算机系统一级资质认证的企业

中国机器人产业联盟理事长单位

中国机器人产业技术创新战略联盟理事长单位

中国科学院机器人与智能制造创新联盟理事长单位

中国移动机器人(AGV)产业联盟理事长单位

中国机器人标准化总体组组长单位

中国机器人协会(筹)会长单位

National Robotic Engineering Research Center China Top Brand in the industry

91 Innovation Enterprise

 $Information\ system\ integration\ and\ service\ first\ \ level\ enterprise$

Computer system large-scale qualification certification enterprises

President unit of CRIA

President units of TISAR

President units of TIIR

China Mobile Robot and AGV Industry Alliance President Unit

Leader of National Robot Standardized Group

China Robot Association(preparatory) President Unit

















缔造世界一流的高科技企业 发展成为具有国际影响力的 智能产品及服务供应商

SIASUN Aiming at Developing into a High-end Equipment Industrial Group with International Competitiveness and Becoming a World Leading Intelligent Products & Services Provider



国家计委正式授牌 新松机器人自动化股份有限公司为 "机器人国家工程研究中心" 2001年



新松作为首批上市的创业板公司 登陆深交所 2009年



物流系统, 掀起电力计量 中心智能化改造浪潮 2012年





新松机器人自动化股份 有限公司正式注册成立

2000, SIASUN Robot & Automation CO., LTD. was established.

2001, SIASUN Industrial Park Phase 1 foundation ceremony was held

2002, Shanghai SIASUN Robot Automation CO. LTD. was established

2004, SIASUN Industrial Park Phase 2 foundation ceremony was held

2005, SIASUN is listed in TOP 100 Forbes Potential Enterprises (Rank 48)

2006, SIASUN is selected as National First-batch 103 Innovation Enterprise

2003, Beijing SIASUN Electronic System CO., LTD. was established



新松移动机器人产品 出口到美国通用汽车底特律总部

2007年



2007, SIASUN is selected as National Enterprise Technical Center 2008, SIASUN is approved to set up National Post-doctoral Workstation 2009, SIASUN is successfully listed in Shenzhen Stock Exchange 2010, Hangzhou SIASUN Robot & Automation CO., LTD. was established 2011, SIASUN Digital Drive CO., LTD. was established

2012, SIASUN Wisdom Park foundation ceremony was held

2013, SIASUN is selected as the president unit of TISAR





2011年

新松洁净机器人进入 国家重点新产品计划



新松协作机器人震撼发布 开启人机协作新时代 2015年



新松核工业机器人与智能装备推动 我国核行业智能化、无人化发展 2019年

引领行业发展

推动产业进步

提升生活品质

Lead the Develop of Industries

Promote Industrial Updating Improve the Quality of Life



新松近百台移动机器人通过CE标准认证 批量出口欧洲核心区域,加块国际化进程 2021年

2020年



新松为电子行业世界500强企业成功 打造新能源车载充电器智能生产线



新松自主研发复合机器人批量应用



新松成功聚焦装箱行业 成为中集集装箱板块龙腾计划唯一制定智能制造系统集成商

2014, SIASUN digital manufacturing factory putted into use

2015, SIASUN's directional add-issuance finished

2016, SIASUN is selected as the leading unit of China Robot TOP10

2017, SIASUN Wisdom Park, Shanghai Lingang Industrial Park, Hong Kong subsidiary and Singapore subsidiary were put into use

2018, Tianjin SIASUN Robot & Automation CO., LTD. was established 2019, SIASUN was selected as 50 Smartest Companies

by MIT Technology Review

2020, SIASUN donates in batches of Robotics products and intelligent medical assistant equipment to frontline to fight COVID-19















































































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