

南昌酷德智能

Nanchang Kude Intelligent Technology Co., Ltd.

www.cubemars.com

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01

品牌价值

B BRAND MISSION

南昌酷德智能科技有限公司

南昌酷德智能科技有限公司系南昌三瑞智能科技（2009年成立）旗下全资子公司，作为深耕机器人核心动力领域16年的高新技术企业，依托自主研发的准直驱技术体系，为全球智能装备提供高精度机电一体化解决方案。

Part One



三瑞智能科技

南昌酷德智能

CubeMars机器人动力

研究院

—
自设研究院

智造工厂

—
占地120亩

国内业务部

—
国内市场开发

国外业务部

—
国外市场开发

市场营销部

—
全网品牌传播

财务部

—
独立财务核算

人事部

—
前端后勤保障

CubeMars

品牌的由来

THE ORIGIN OF THE BRAND

Cube

代表我们的核心动力源

Mars

Motivate Advanced Robotic System

赋能先进的机器人系统



01

智能动力系统领航者

品牌价值

现已服务

60+ 个国家

4000+ 个企业

我们将致力于研发制造高性能动力，为全球智能系统提供精准、高效、可靠的动力解决方案。



02

智造品质

INTELLIGENT MANUFACTURING

选择CubeMars，即是选择以技术沉淀为根基、以客户需求为导向的智造伙伴，我们会助力您的产品精准匹配市场需求，以稳定的品质与完善的服务回报每一份信任。

Part Two



02

智造六维图

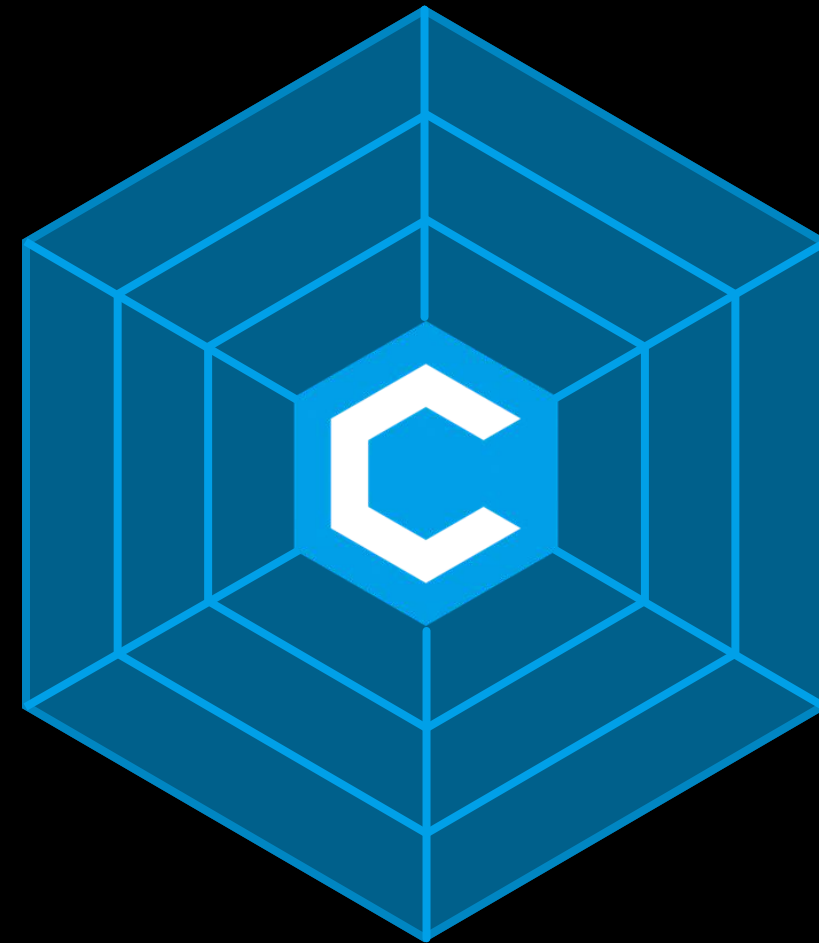
智造品质

从原料筛选到交付终端，严苛的检测工序和品质保障体系贯穿每个环节。高效生产与精准品控的六维平衡，让CubeMars的产品不仅满足标准，更定义标准。

391项技术专利

100%出厂检测

600万台年产能



3天出具方案

45天定制交付

365天品质护航

02

质量金字塔

智造品质



尖端层

100%FQC出厂检验

进阶层

IPQC+制成自检

基础层

IQC检验

02

资质展示

智造品质

KEYS Test Report

Report No: KEYS240725044002R1-03 Date: Aug. 01, 2024 Page 1 of 56

Applicant : NANCHANG KUDE INTELLIGENT TECHNOLOGY CO., LTD
Address : Room 301, Building 33, Jiahai Industrial Park, No.2799 Tianxiang Avenue, Gaoxin District, Nanchang, Jiangxi Province, China.
Manufacturer : Nanchang Sanrui Intelligent Technology Co., Ltd
Address : No.888 Tianxiang North Avenue, Nanchang County, Nanchang City, Jiangxi Province

The following sample(s) was/were submitted and identified on behalf of the clients as:

Sample Name : BLDC MOTOR, Actuator
Trade Name : CubeMars
Sample Model : AK10-9, AK10-AK1000, AKE10-AKE1000, GL10-GL1000, G10-G1000, R10-R1000, R10-R1000, RO10-RO1000, W10-W1000, SW10-SW1000, DW10-DW1000
Sample Received Date : Jul. 26, 2024
Testing Period : Jul. 26, 2024 To Aug. 01, 2024
Test Requested : Two hundred and forty-one (241) Substances of Very High Concern (SVHC) Based on the list Published by European Chemicals Agency (ECHA) on Oct. 28, 2008 & Jan. 13, 2010 & Mar. 30, 2010 & Jun. 18, 2010 & Dec. 15, 2010 & Jun. 20, 2011 & Dec. 19, 2011 & Jun. 18, 2012 & Dec. 19, 2012 & Jun. 20, 2013 & Dec. 16, 2013 & Mar. 3, 2014 & Jun. 16, 2014 & Dec. 17, 2014 & Jun. 15, 2015 & Dec. 17, 2015 & Jun. 20, 2016 & Jun. 12, 2017 & Jul. 07, 2017 & Jun. 15, 2018 & Jun. 27, 2018 & Jun. 15, 2019 & Jul. 16, 2019 & Jun. 16, 2020 & Jun. 16, 2020 & Jun. 19, 2021 & Jul. 08, 2021 & Jun. 17, 2022 & Jun. 10, 2022 & Jun. 17, 2023 & Jun. 14, 2023 & Jun. 23, 2024 & Jun. 27, 2024 for public consultation, regarding regulation (EC) No 1907/2006 concerning the REACH.

Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).
Conclusion : PASS (Based on test results)

Signed for and on behalf of
Tony Qian/Approved Signatory

This report is only responsible for the test results of the sample submitted for inspection, and is not responsible for the source of the sample submitted for inspection. The report shall not be altered, reprinted or altered. Without written approval of KEYS, the test report shall not be copied, copied, full and published as advertisement.

Guangdong KEYS Testing Technology Co., Ltd.
Address: Building 1, No.18, Shixuan Road, Dingcheng Subdistrict, Dingcheng, Guangdong, China.
Tel: +86-755-33150179 Fax: +86-755-33150179 E-mail: epl@keys-lab.com

REACH

CERTIFICATE OF CONFORMITY

Certificate No.: KEYS240725044001R1-03

Applicant : NANCHANG KUDE INTELLIGENT TECHNOLOGY CO., LTD
Address : Room 301, Building 33, Jiahai Industrial Park, No.2799 Tianxiang Avenue, Gaoxin District, Nanchang, Jiangxi Province, China.
Manufacturer : Nanchang Sanrui Intelligent Technology Co., Ltd
Address : No.888 Tianxiang North Avenue, Nanchang County, Nanchang City, Jiangxi Province
Product : BLDC MOTOR; Actuator
Trade Name : CubeMars
Model No. : AK10-9; AK10-AK1000; AKE10-AKE1000; GL10-GL1000; G10-G1000; R10-R1000; R10-R1000; RO10-RO1000; W10-W1000; SW10-SW1000; DW10-DW1000

RoHS 2.0 Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.
The standard(s) used for showing compliance with the essential requirements:
Applicable Standard(s) : IEC 62321-3-1: 2013
IEC 62321-4:2013 + A1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-4:2015
IEC 62321-7-2:2017
IEC 62321-8:2017

The TTT described above has been considered by us and found in compliance with the council RoHS 2.0 Directive (EU) 2015/863 and (EU) 2017/2102 amending Annex II to Directive 2011/65/EU.
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: KEYS240725044001R1-03

RoHS

Tony Qian/Approved Signatory
Date: Aug. 01, 2024

Guangdong KEYS Testing Technology Co., Ltd.
Address: Building 1, No.18, Shixuan Road, Dingcheng Subdistrict, Dingcheng, Guangdong, China.

RoHS

SUPPLIER'S DECLARATION OF CONFORMITY

Certificate No.: EZT20240720392F

Applicant : NANCHANG KUDE INTELLIGENT TECHNOLOGY CO., LTD
Address : Room 301, Building 33, Jiahai Industrial Park, No.2799 Tianxiang Avenue, Gaoxin District, Nanchang, Jiangxi Province, China.
Manufacturer : Nanchang Sanrui Intelligent Technology Co., Ltd
Address : No. 888 Tianxiang North Avenue, Nanchang County, Nanchang City, Jiangxi Province
Product : BLDC MOTOR; Actuator
Model No. : AK10-9, AK10-AK1000, AKE10-AKE1000, GL10-GL1000, G10-G1000, R10-R1000, R10-R1000, RO10-RO1000, W10-W1000, SW10-SW1000, DW10-DW1000
Trade Mark : CubeMars
Report No. : EZT20240720392FR
Test Standards : FCC Part 15
ANSI C63.4:2014

The above equipment was tested by Shenzhen EZT Testing Technology Co., Ltd for compliance with the requirements set forth in FCC Rules and regulations Part 15 Subpart B and the measurement procedure according to ANSI C63.4 this said equipment in configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements. The test results of this report only to the test sample identified in this report.

FCC

Steven (Chief Manager)
Jul. 20, 2024

Shenzhen EZT Testing Technology Co., Ltd
Add: 3F, B Building, Weichang Industrial Park, No.16 Nanhai Road, Matian Street, Guangming District, Shenzhen City, Guangdong Province, China.
Web: www.ezt-lab.com Tel: +86-755-33150179 Fax: +86-755-33150179 E-mail: epl@keys-lab.com

FCC

CERTIFICATE OF CONFORMITY

Certificate No.: EZT20240720392E

Applicant : NANCHANG KUDE INTELLIGENT TECHNOLOGY CO., LTD
Address : Room 301, Building 33, Jiahai Industrial Park, No.2799 Tianxiang Avenue, Gaoxin District, Nanchang, Jiangxi Province, China.
Manufacturer : Nanchang Sanrui Intelligent Technology Co., Ltd
Address : No. 888 Tianxiang North Avenue, Nanchang County, Nanchang City, Jiangxi Province
Product : BLDC MOTOR; Actuator
Model No. : AK10-9, AK10-AK1000, AKE10-AKE1000, GL10-GL1000, G10-G1000, R10-R1000, R10-R1000, RO10-RO1000, W10-W1000, SW10-SW1000, DW10-DW1000
Trade mark : CubeMars
Report No. : EZT20240720392ER
EN 55032:2015+A11:2020
EN 55035:2017+A11:2020
EN IEC61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021

The following products have been tested by us with listed standards and found in compliance with the council EMC 2014/50/EU. It is possible to use CE marking to demonstrate the compliance with this EMC.
This certificate of conformity is not transferable and based on an evaluation of a sample of the above mentioned product.

CE

Steven (Chief Manager)
Jul. 20, 2024

Shenzhen EZT Testing Technology Co., Ltd
Add: 3F, B Building, Weichang Industrial Park, No.16 Nanhai Road, Matian Street, Guangming District, Shenzhen City, Guangdong Province, China.
Web: www.ezt-lab.com Tel: +86-755-33150179 Fax: +86-755-33150179 E-mail: epl@keys-lab.com

CE

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 17422Q21225R0M

Awarded to
Nanchang Sanrui Intelligent Technology Co., Ltd
Organization Code: 91360104696053281E
Registered Add.: Manufacturing Center, Building D, No. 888, Tianxiang North Avenue, Nanchang High-tech Industrial Development Zone, Nanchang City, Jiangxi Province
Office Add.: Manufacturing Center, Building D, No. 888, Tianxiang North Avenue, Nanchang High-tech Industrial Development Zone, Nanchang City, Jiangxi Province
Production/Business Add.: Manufacturing Center, Building D, No. 888, Tianxiang North Avenue, Nanchang High-tech Industrial Development Zone, Nanchang City, Jiangxi Province

The Quality Management System of the above organization has been assessed and Found to be in accordance with the requirements of the standard:
GB/T 19001-2016 / ISO 9001:2015
Scope of this management Certification
Development of electric power systems for drones and robots, and production of brushless DC motors

First SA, Second SA, Labelling, Third SA, Labelling

The certified organization must accept at least one surveillance audit annually and a qualified mark shall be obtained every two years. After the validity period of the certificate, the certificate can be renewed only after the re-evaluation. For more details of this certificate, please refer to the website: www.cnca.gov.cn. For the validity of the certificate, please refer to the QR code and the key information.

IAF, CNAS

Date of Original issued 21 Aug. 2022 Date of Change: 19 Sep. 2023 Valid until: 22 Aug. 2025
Room 228, Building 2, No. 28 Zhensheng Road, Science Park, Changping District, Beijing 010-57146599

No.0014607

ISO

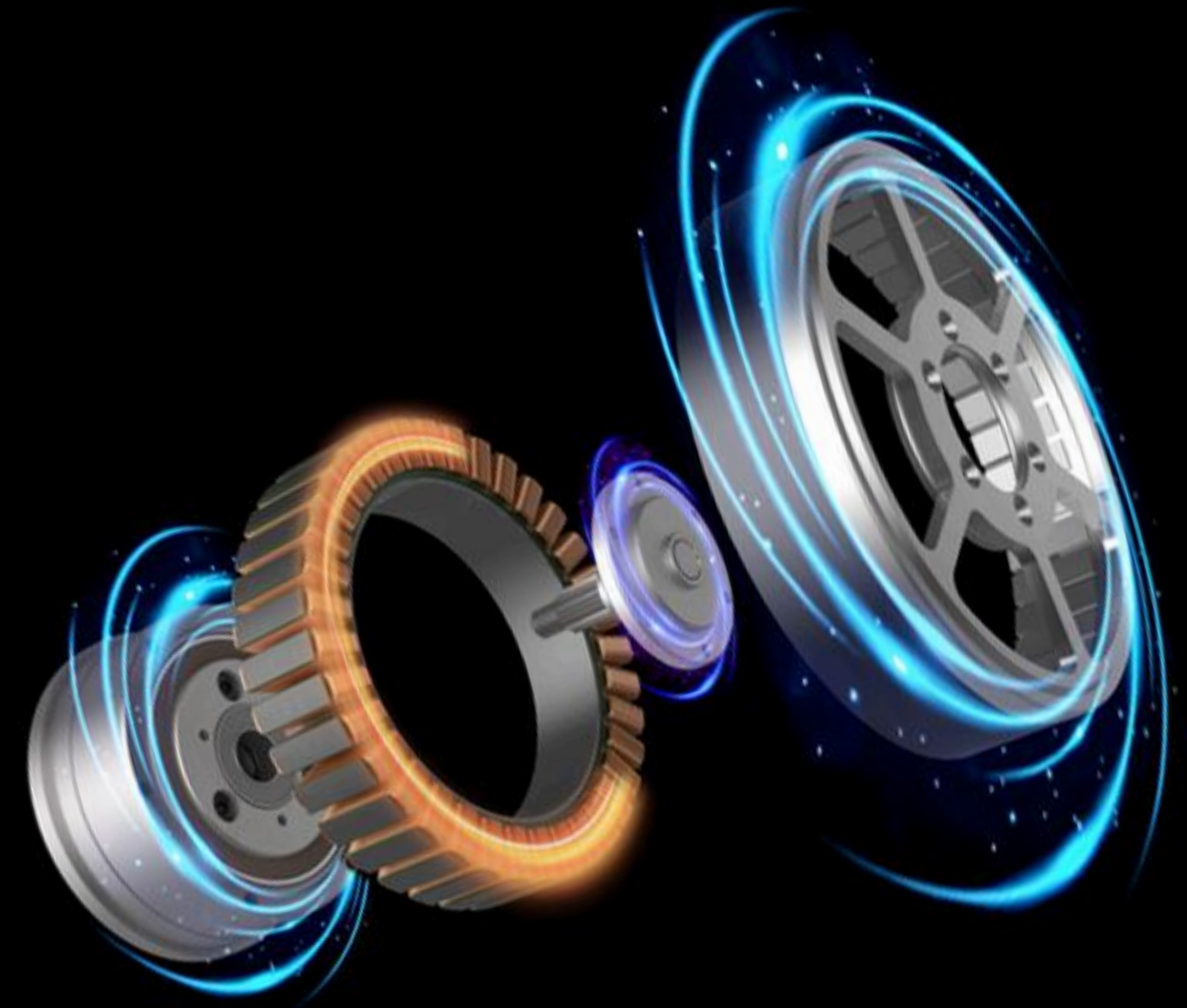
03

核心技术

CORE TECHNOLOGIES

18年电机研发与生产经验，铸就了从材料革新到工艺精控的自主升级能力。100余款电机量产验证的可靠基础，同步预研未来发展需求，将可靠性与前瞻性融入每一代产品设计。我们会继续钻研，保持技术的更新，让性能始终走在需求之前。

Part Three



03

技术架构三维图

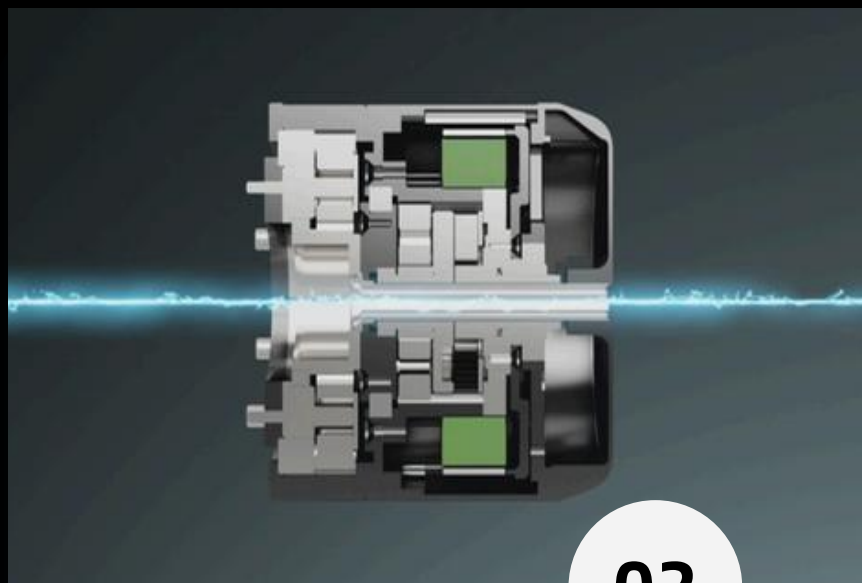
核心技术



01

精密控制层

3-9弧分背隙控制
0.3cNm低齿槽转矩



02

结构创新层

中空模组设计
模块化设计
全新双编设计



03

材料工艺层

动密封工艺
真空灌封工艺

03

研发制造实力

18年 研发制造经验

80000m² 研发智造基地

1200+ 总员工

200+ 专业研发团队



核心技术



03

工厂一览

核心技术



03

工厂一览

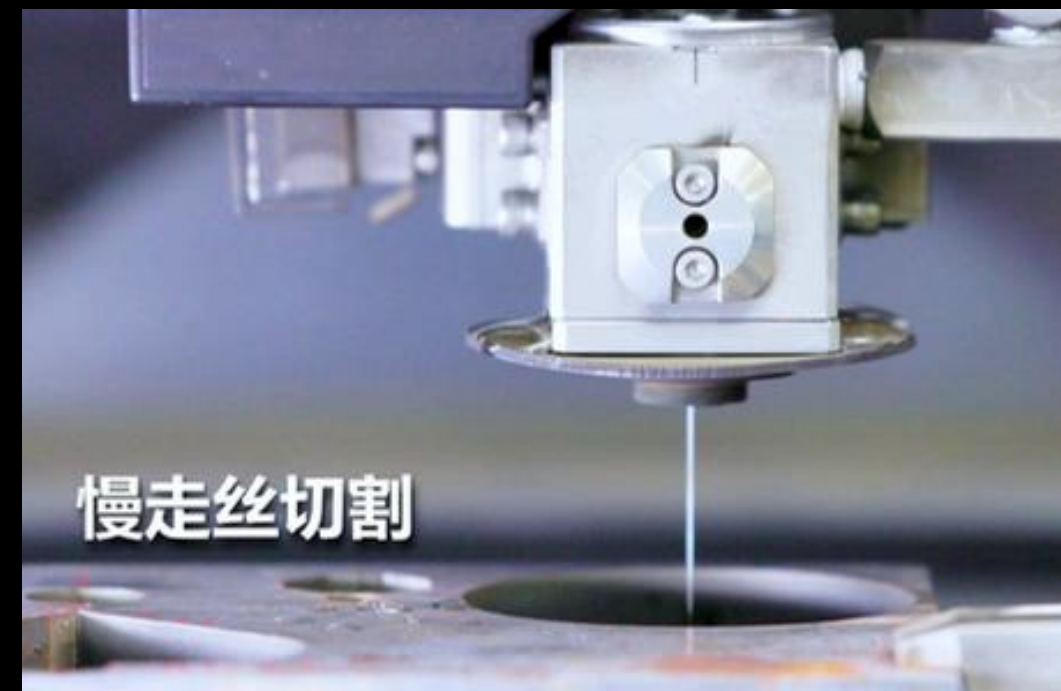
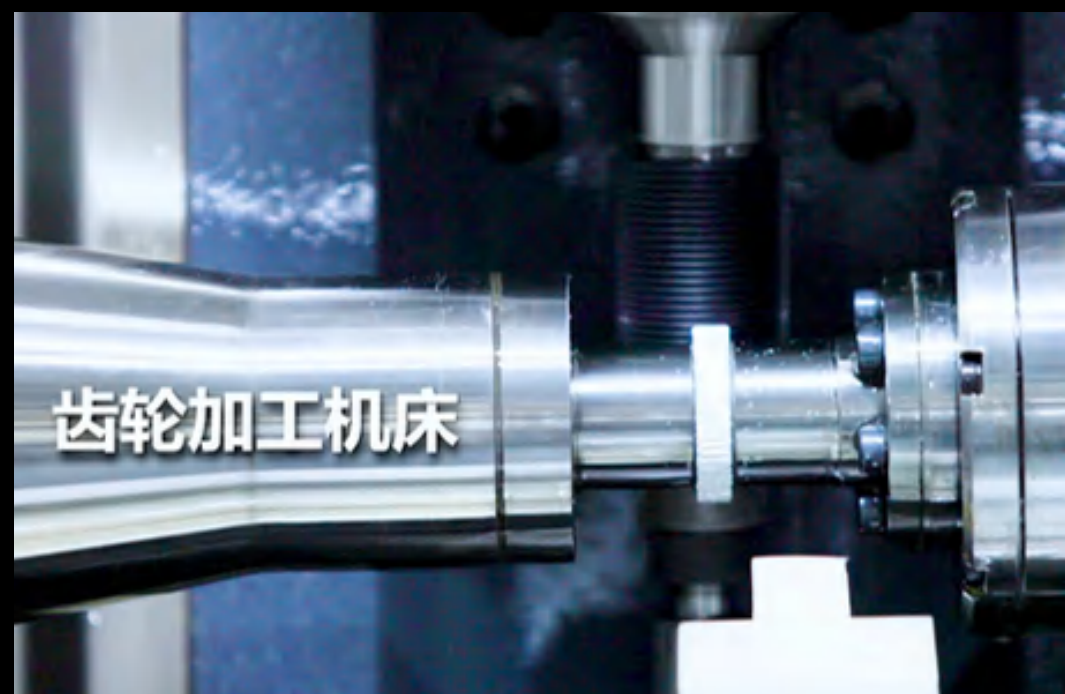
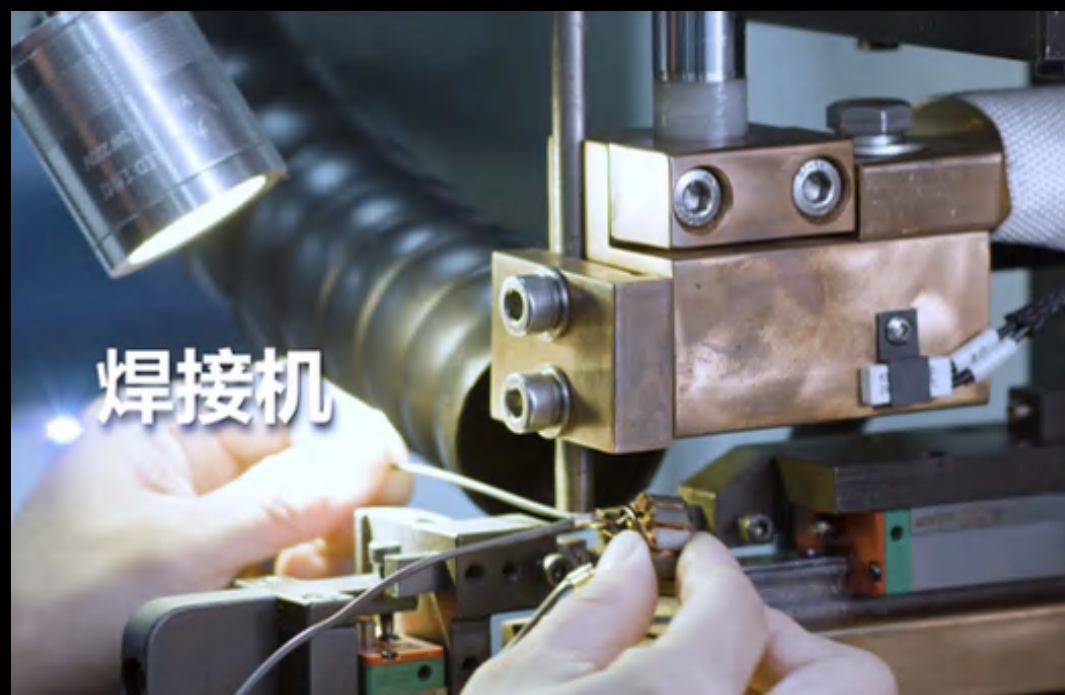
核心技术



03

设备一览

核心技术



04

产品生态

PRODUCT PORTFOLIO

CubeMars产品凭借高扭矩电机模组、智能驱动控制、高精度传感器及可定制化服务等多样化产品线，广泛应用于工业智造、协作外骨骼、人机协同、巡检AGV、云台系统及水下机器人等领域。

其模块化设计与多场景适配能力为不同行业提供灵活解决方案，充分展现产品种类丰富性与跨领域应用的广泛性。

Part Four

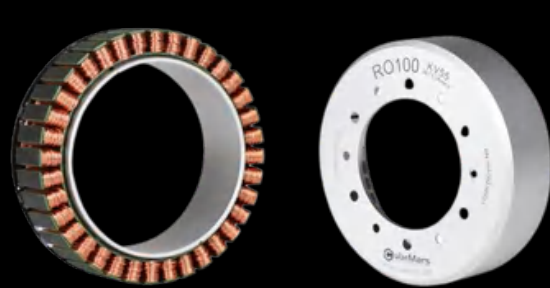


04

工业制造

产品生态

CubeMars聚焦工业场景，以大扭矩输出轻松应对重载压力；模块化自由组装设计，可灵活集成编码器、减速机等部件，快速适配数控机床、物流线等多元需求，降低部署与维护成本。



RO系列

灵活组装 | 自由选配

最大扭矩密度 **16.9Nm/kg**



RI系列

自由选配 | 灵活组装

最大扭矩密度 **10.46Nm/kg**



04

协作外骨骼

产品生态

CubeMars的AKE电机凭借其轻量紧凑、易安装、高扭矩密度的特性，成为协作外骨骼的理想驱动。在医疗康复或负重场景中，确保人机安全协作与高效助力，显著提升穿戴者的运动能力和舒适度。



AKE系列

分体设计 | 快速拆装

最大扭矩密度**121.4Nm/kg**



04

人机协同

产品生态

CubeMars的电机深度适配人机协同场景，一体化集成模组设计紧凑，即装即用。满足高动态响应与轻量化需求，为人机协作场景提供更自由、高效的动力选择。



AK系列

高集成 | 大扭矩 | 高精度
最大扭矩密度**141.2Nm/kg**



AKH系列

中空设计 | 集成模组
最大扭矩密度**159Nm/kg**



04

巡检AGV

产品生态

CubeMars针对轮式机器人开发的AKA电机模组，以高径向承载力为核心优势，轻松应对重载运输与频繁转向。



AKA系列

径向承载力强 | 高防护等级
径向承载力相较AK提升**120%**



AK系列

高集成 | 大扭矩 | 高精度
最大扭矩密度**141.2Nm/kg**



04

云台系统

产品生态

CubeMars的云台电机以超快的响应速度和超高的控制精度为核心优势，全新升级的GL II系列内置集成驱动板，可直连上位机实现多轴协同控制，以更轻量化、更灵活的部署方式提升系统整体效能。



GL II 系列

高精度 | 低齿槽

齿槽转矩相较上一代降低**37.5%**



04

水下机器人

产品生态

CubeMars专为水下作业打造的推进器解决方案，可适应0-350米深度。紧凑设计实现小体积、高推重比，为海洋勘探、设备巡检等场景提供强劲灵活的水下动力。



SW/DW系列

动密封设计 | 强劲推动力
可适应水深0-350m



W系列

体积小 | 易安装
最大推力7.7kgf





关注我们 了解更多信息

技术响应热线: +86-189 7093 1751