RAYNEN 睿能科技

工业缝制智控系统

Intelligent Control System for Industrial Sewing Machines

福建睿能科技股份有限公司

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RA001

股票代码：603933

智能缝制电控系统集成商

Intelligent Sewing Electrification System Integrator



目 录
Directory

01 睿能科技简介
Introduction to Raynen

03 发展历程
Development History

05 企业荣誉
Corporate Honors

07 研发&创新
R&D & Innovation

09 精益制造
Lean Manufacturing

11 缝制智控解决方案
Sewing Control Intelligent Solution

13 智能工厂解决方案
Intelligent Factory Solution

15 集成管理纺织云平台
Integrated Management Textile Cloud Platform

18 设备接入平台
Device Access Platform

19 工业缝制智控系统
Intelligent Control System for Industial Sewing Machines

21 智能模板机控制系统
Intelligent Control System for Template Sewing Machine

23 电子花样机控制系统
Intelligent Control System for Pattern Sewing Machine

25 制版软件系统
Software System

27 模板机制版软件
Template Machine Plate Making Software

29 花样机制版软件
Pattern Machine Plate Making Software

31 扎根中国，服务全球
Rooted in China, Serving the World

33 分公司及办事处
Branches and Offices

34 服务网点
Service Network



睿能科技简介

Introduction to Raynen

睿能科技主要从事工业自动化控制产品的研发、生产、销售业务和半导体产品分销业务，工业自动化业务聚焦控制与驱动技术的研发创新，以领先技术为装备制造企业提供智能化产品与定制化解决方案，深度服务于纺织设备、缝制设备、机床加工、包装印刷、机器人、精密制造、矿山、冶金、环保、化工、新能源、电力、市政工程等领域，助力生产设备效能提升及数字化智能化升级。

睿能科技以“让工业更智能”为使命，践行“真诚协作、结果导向、追求卓越、成就客户”的核心价值观，通过持续技术创新与场景化解决方案的开发，致力成为世界一流的工业自动化产品和解决方案供应商，为客户提供高适配性行业解决方案，实现客户与企业价值共赢，持续赋能全球智能制造升级。

Raynen Technology primarily engages in the R&D, production, and sales of industrial automation control products, as well as the distribution of semiconductor products. In industrial automation, it focuses on R&D innovation in control and drive technologies, providing leading intelligent products and customized solutions for equipment manufacturers. The company is committed to serving a wide range of industries, including textile machinery, sewing equipment, machine tool processing, packaging and printing, robotics, precision manufacturing, mining, metallurgy, environmental protection, chemical engineering, new energy, electric power, and municipal engineering, aiding in the enhancement of equipment efficiency and the advancement of digital and intelligent upgrades.

With the mission to “make industry smarter”, Raynen Technology adheres to the core values of “sincere collaboration, results-oriented approach, pursuit of excellence, and customer success.” Through constant technological innovation and development of scenario-based solutions, the company strives to become a world-class provider of industrial automation products and solutions, offering highly adaptable industry solutions to achieve a win-win situation for both customers and the enterprise, thereby continually driving upgrades of the global intelligent manufacturing.

核心全资及控股子公司

Subsidiary >> >> > > >

诸暨睿能控制系统有限公司

Zhuji Raynen Control System Co., Ltd.

公司专业从事于刺绣机、袜机等智能电控系统的销售及服务。

The company specializes in the sales and service of intelligent computer control system for embroidery machines and sock knitting machines etc.

上海奇电电气科技有限公司

Shanghai Qirod Electric Science & Technology Co., Ltd.

公司专业从事变频器和伺服驱动器研发、制造和销售。

The company specializes in R&D, manufacturing and sales of converters and servo drivers.

福州睿能控制技术有限公司

Fuzhou Raynen Control Technology Co., Ltd.

公司专业从事智能绣花机电控系统及绣花制版软件的研发、生产和销售。

The company specializes in the R&D, production and sales of the computer control system for intelligent embroidery machines and the embroidery pattern design software.

深圳市亿维自动化技术有限公司

UniMAT Automation Technology Co., Ltd.

公司专注于工业自动化控制产品的研发、生产、销售及服务，产品涵盖可编程逻辑控制器（PLC）、人机界面（HMI）及工业物联网等产品。

The company focuses on the R&D, production, sales and service of industrial automation control products, covering PLC, HMI and IoT.

嘉兴睿能电气有限公司

Jiaxing Raynen Electrical Co., Ltd.

公司聚焦于变频器、软启动器和电机等关键工业自动化产品的研发与制造。

The company focuses on the R&D and manufacturing of key industrial automation products such as converters, soft starters and motors.

福州睿能电气科技有限公司

Fuzhou Raynen Electrical Technology Co., Ltd.

工业电气自动化产品的专业分销商，主要涉及低压、中压等输配电产品、工业自动化控制产品和仪器仪表等。

The company is a professional distributor of industrial electrical automation products, mainly involving low voltage and medium voltage power transmission and distribution products, industrial automation control products, instruments and meters and etc.

上海睿能高齐自动化有限公司

Shanghai Raynen Gaoqi Automation Co., Ltd.

公司主要从事工业自动化产品的研发，为工业自动化行业提供通用伺服系统产品等核心部件及专业的应用解决方案。

The company mainly engages in the R&D of industrial automation products and offers the general-purpose servo system products and other such core components as well as the professional application solutions for the industrial automation industry.

贝能国际有限公司

Burnon International Co., Ltd.

国内知名IC产品授权分销商和应用解决方案提供商，与全球知名IC设计制造商紧密合作，为客户提供IC产品、IC应用解决方案和现场技术支持等多层面服务。

The company is a well-known domestic authorized distributor and application solution provider of IC products. The company works closely with world famous IC designers and manufacturers to provide customers with multi-level services such as IC products,IC application solutions and on-site technical support.

福州琪利软件有限公司

Fuzhou QiLi Software Co., Ltd.

公司专注于针织行业软件开发和推广的高新技术企业。

The company is a high-tech enterprise specialized in development and promotion of knitting software.

发展历程

Development history

2007 年

创立于福州，成立之时主要从事针织横机电控系统业务

Founded in Fuzhou in 2007, it wasmainly engaged in the business of electronic control system of flat knitting machine.

2009 年

被认定为“高新技术企业”

In 2009, it was recognized as a "high-tech enterprise".

2012 年

承担国家火炬计划项目，被评为“国家火炬计划重点高新技术企业”

In 2011, it undertook the national torch plan project and was awarded as "key high-tech enterprise of the national torch plan".

2013 年

公司整体变更为“福建睿能科技股份有限公司”

In 2013, the Company was changed to Fujian Raynen Technology Co., Ltd. as a whole.

2016 年

被认定为“中国纺织机械行业电脑横机智能控制系统产品研发中心”

In 2016, it was recognized as "China Textile Machinery Industry Computer Flat Knitting Machine Intelligent Control System Product Research and Development Center".

2017 年

在上海证券交易所主板上市

In 2017, it was listed on the main board of the Shanghai Stock Exchange.

2018 年

成立睿虹控制，开拓纺织缝制设备电控业务；成立上海、江苏伺服系统研制中心，布局通用自动化领域

In 2018, Rayhong Control was established. The electronic control business of weaving and sewing equipment were developed. Shanghai and Jiangsu servo system research centers were estab-lished to lay out the general automation field.

2020 年

收购上海奇电电气，推出变频器、软起动器等产品，进一步完善工业自动化产业链

In 2020, Shanghai Qirod Electric was acquired, and products such as inverter soft starter were introduced to further improve the industrial automation industry chain.

控股深圳亿维，推出HMI、PLC、智能网关等工业物联网产品，全面提供工业物联和控制技术系统解决方案

The company has held a controlling stake in Shenzhen UniMAT and launched industrial Internet of Things products such as HMI, PLC and intelligent gateway, offering comprehensive solutions for industrial Internet of Things and control technology systems.

2022 年

睿能科技总部生产基地正式封顶，将强有力地提升公司技术创新和生产智造能力

The official capping of the production base of Raynen Technology Headquarters will strongly enhance the Company's technological innovation and production intelligence capabilities.

2024 年

福州总部生产基地投产运营

In 2024, Fuzhou headquarters production base put into operation.

投建新厂
嘉兴南湖投建自动化生产基地

Construction of a new plant Jiaxing South Lake to build an automated production base.

2025 年

海外布局
扩充海外生产、服务网络

Overseas penetration in 2025 by expanding overseas production and service networks.

未来

企业愿景
成为一流的工业自动化产品和解决方案供应商

Vision: The enterprise aims to become a first-class provider of industrial automation products and services.

企业荣誉

Corporate Honors

国家级荣誉 National-Level Honors

国家高新技术企业
National Hi-Tech Enterprise

国家重点新产品奖
Winner of the National Award for Key New Products

双软认证企业
Dual Software Certification Enterprise

国家知识产权优势企业
National Intellectual Property Advantage Enterprise

国家火炬计划重点高新技术企业
Key Hi-Tech Enterprise in the National Torch Program

国家制造业单项冠军优势企业9
National Manufacturing Single Champion Advantage Enterprise

省市级荣誉 Provincial and Municipal-Level Honors

福建省著名商标
Famous Brand of Fujian Province

福建省软件企业
Software Enterprise of Fujian Province

福建省创新型企业
Innovative Enterprise of Fujian Province

福建省“专精特新”中小型企业
Specialized, Refined, Distinctive, and Innovative SME in Fujian Province

福建省省级企业技术中心
Fujian Provincial Enterprise Technology Center

福建省科技小巨人领军企业
Technologically Leading Little Giant Enterprise in Fujian Province

福建省科学技术进步奖三等奖
Winner of the Third Prize for Science and Technology Progress in Fujian Province

上海创新型中小企业
Innovative SME in Shanghai

深圳市专精特新中小企业
Specialized, Refined, Distinctive and Innovative SME in Shenzhen



行业、媒体荣誉 Industry and Media Honors

第十五届中国500最具价值品牌证书
Winner of China’s 500 Most Valuable Brands Certificate in 2018

纺织行业创新示范科技型企业
Innovation Demonstration Technology-based Enterprise in the Textile Industry

中国纺织工业联合会科学技术奖一等奖
Winner of the First Prize of Science and Technology Award granted by China National Textile & Apparel Council

深圳工业互联网协会监事单位
Supervisor of Shenzhen Industrial Internet Association

第十六届自动化年度评选智造示范奖
Winner of the16th Automation Annual Awards - Intelligent Manufacturing Demonstration Award

第十八届自动化年度评选工业智联奖
Winner of the18th Automation Annual Awards - Industrial Intelligence Innovation Award

CMCD运动控制领域最具成长国内品牌
Most Promising Domestic Brand in CMCD Motion Control Field

研发&创新

R&D and Innovation







重视自主研发和技术创新，持续保持较高的研发投入，形成独特的竞争优势

Raynen attaches great importance to independent R&D and technical innovation, continuously maintaining higher R&D spending, forming the unique competitive advantage.

1 项
国家火炬计划项目
1 Project of the National Torch Program

1 项
国家制造业单项冠军产品奖
1 Award for National Manufacturing Single Champion Product

124 项
发明专利
124 Invention Patents

8 项
国标、行业标准制订
Formulated or revised 8 national or industrial standards

1 个
企业技术中心奖
1 Award for Enterprise Technology Center

82 项
实用新型专利
82 Utility Model Patents

6 项
省市级科技计划项目
6 Provincial or Municipal Level Science and Technology Planning Projects

2 项
省级自主创新产品奖
2 Provincial Awards for Independent Innovation

10 项
外观专利
10 Design Patents

3 项
省市级科技计划项目
3 Provincial, Municipal or Industrial Patent Awards

2 个
纺织行业技术研究中心
2 Technology Research Centers for the Textile Industry

237 项
软件著作权
237 Software Copyrights

- 拥有一支高素质的涵括硬件设计、软件设计、伺服驱动设计、数字电源设计、网络平台研发、编织工艺研究、针织设计 CAD 软件研发等的开发队伍，具备为客户提供针织设备控制系统综合解决方案的能力
- 积累了丰富的行业经验，拥有国内领先、完全自主知识产权的“模块组合式集成硬件系统”与“适应多样化编织工艺需求的软件系统”，可快速满足客户不同机型的需求
- 承担了国家科技部、福建省科技厅等多项科技项目
- 《纺织机械专用伺服控制系统 V2.0》被国家科技部、国家环保部、国家商务部、国家质监总局评为“国家重点新产品奖”
- 《新型高效针织横机电脑控制系统》被中国纺织工业联合会评为“中国纺织科学技术奖”一等奖

- With a high quality development team covering hardware design, software design, servo drive design, digital power supply design, network platform research and development, knitting process research, knitting design CAD software development, we are capable of providing integrated solutions of knitting equipment control system for customers.
- We have accumulated abundant industrial experience, depending on the domestic leading "Module Combination Integrated Hardware System" and " Meeting Diversified Knitting Process Requirements Software System” of completely independent intellectual property, quickly meeting customer’s demand for different models.
- Undertake multiple science and technology projects of the National Ministry of Science and Technology and Science and Technology Agency of Fujian Province.
- The “Textile Machinery Dedicated Servo Control System V2.0” has been awarded “National Major New Product Award” by the National Ministry of Science and Technology, the National Ministry of Environmental Protection, the National Ministry of commerce and the State general administration of quality.
- The "New-type High-efficient Computer Controlling System of Flat Knitting Machine" won the first prize of China Textile Science and Technology Award, presented by China National Textile and Apparel Council.

精益制造

Lean Manufacturing





核心产品通过CE、TÜV等国际认证；研发、生产管理体系符合质量管理体系ISO9001：2015、环境管理体系ISO14001：2015职业健康安全管理体系ISO45001：2018标准；生产体系符合ISO9001质量管理体系。

With core products passing international certifications including CE and TÜV, the company's R&D and production management systems are consistent with ISO9001:2015 Quality Management System, ISO14001:2015 Environmental Management System, and ISO45001:2018 Occupational Health and Safety Management System, while its production system is consistent with the ISO9001 Quality Management System.

ISO9001 质量管理体系认证	**ISO45001** 职业健康安全管理体系认证	**ISO14001** 环境管理体系认证

TÜV 认证	**矿用产品合格证**	**3C认证**	**CE认证**





睿能规划完整的从端到端的系统解决方案，着力于设计软件、电控和设备管理系统的深度开发，融合睿能通用自动化解决方案，实现与数字工厂数据无缝对接，协同客户提升管理效率、生产效率等，提升客户竞争力。

Raynen plans to deliver comprehensive end-to-end system solutions, focusing on the in-depth development of design software, electronic control systems, and equipment management systems. By integrating Raynen's universal automation solutions, the company aims to achieve seamless data connectivity with digital factories, collaborating with customers to enhance management efficiency, production efficiency, and overall competitiveness.



专机电控
Special-Purpose Machine Control System

模板机（全系产品）
Template Machine (Full Product Line)

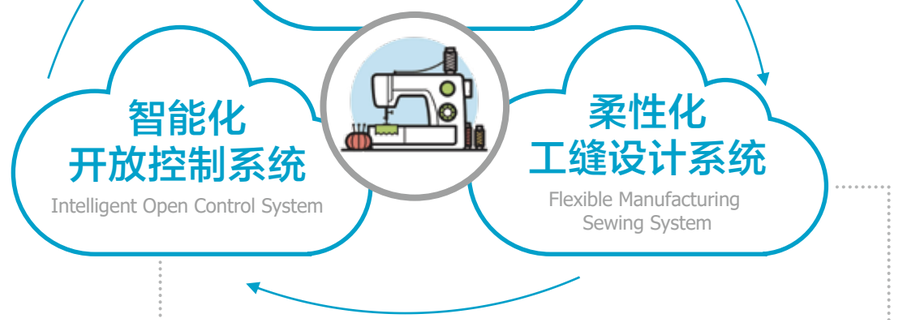
花样机（摆梭款/旋梭款）
Pattern Machine (Oscillating Shuttle / Rotary Shuttle Models)

缝制单元（专机+通用自动化）
Sewing Unit (Special-Purpose Machine + General Automation)

牛仔类 Denim Category
表袋机，门襟机，折边机，贴袋机等
Watch Pocket Sewing Machine, Placket Pressing Sewing Machine, Hemming Machine and Patch Pocket Setter Sewing Machine etc.

服装类 Garment Category
背扣机，袖叉机，激光开袋机等
Bra Hook & Eye Sewing Machine, Sleeve Slit Machine and Laser Pocket Welting Machine etc.

工业类 Industrial Category
粗线机，吨袋机，织带机，切带机等
Heavy-duty Thread Sewing Machine, Bulk Bag Sewing Machine, Webbing Loom / Tape Weaving Machine and Tape Cutting Machine etc.



云管理
Cloud Systems

缝制机械集成管理系统
Sewing Machinery Integrated Management System

文档云端管理
Document Cloud Management

生产(看板/绩效)管理
Production Process Management

移动APP
Mobile Application

端到端客户需求+设计
End-to-End Customer Requirements + Design

模板机制版软件
Template Machine Plate Making Software

花样机制版软件
Pattern Machine Plate Making Software

智能工厂解决方案

Intelligent Factory Solution

纺织智造+工业互联网的解决方案，云端系统的部署和应用

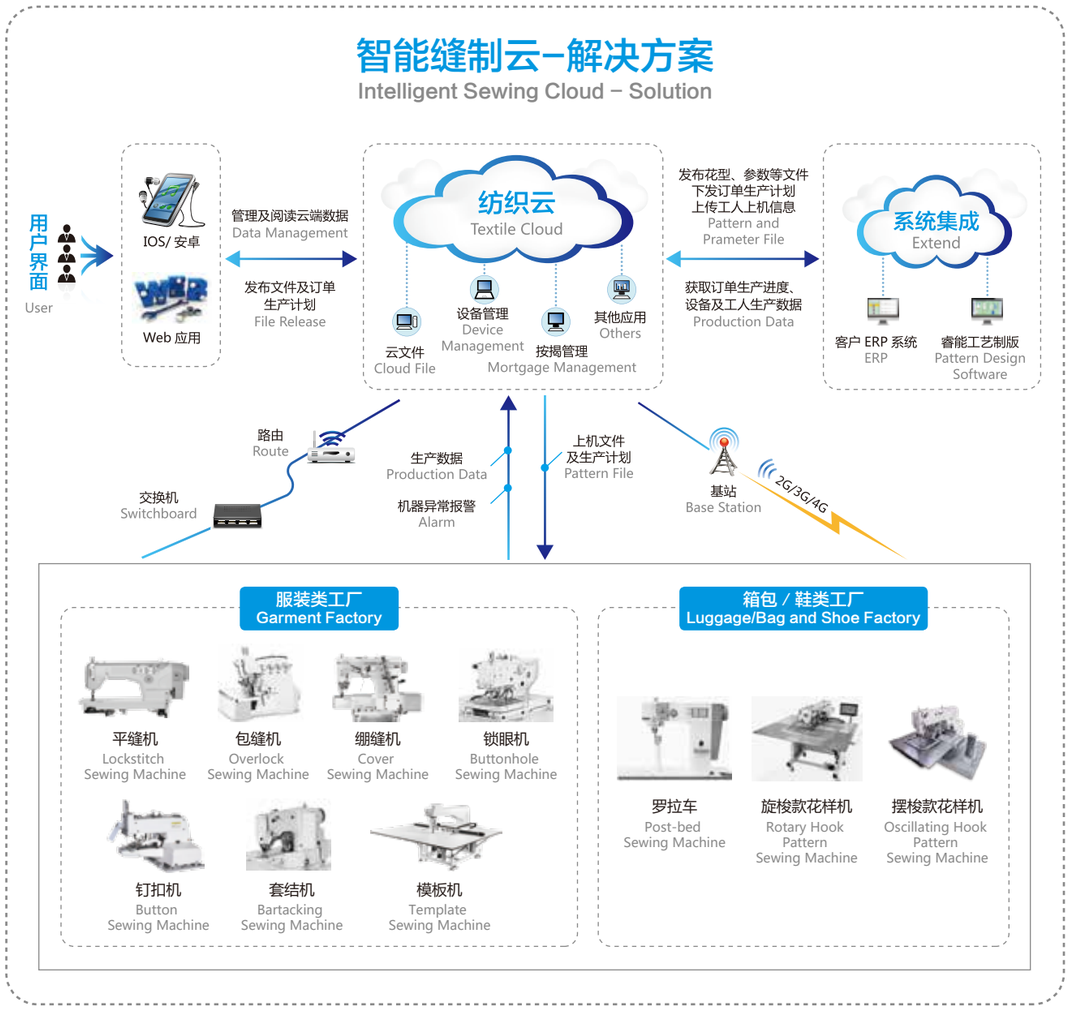
Solution for textile intelligent manufacturing+industrial internet, deployment and application of cloud systems

集成管理纺织云平台

Integrated Management Textile Cloud Platform >> >> > > >

提供深入的行业应用服务，开放的平台提供多样的系统访问方式，满足客户的不同访问需求

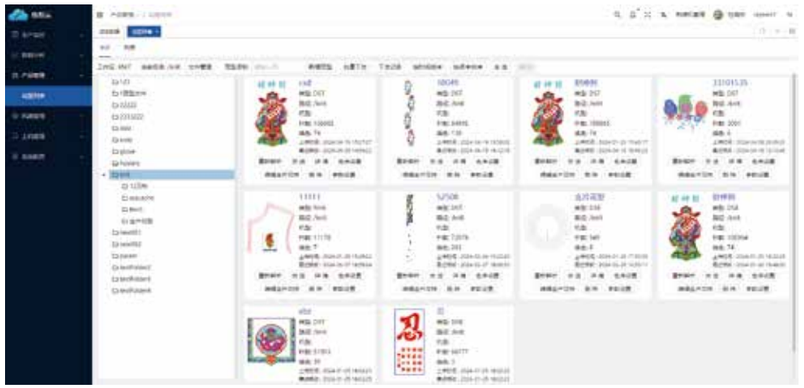
It provides multi-level industry application services. Its open platform offers a variety of system access methods to meet customers' different access needs.



文档云端管理 Document Cloud Management

云端加密存储，不因用户电脑设备丢失或人为损坏造成损失；高效的内部信息共享机制，实现文档颗粒度权限管理与版本控制，便于与企业知识的积累与再利用，提升企业的整体运行效率

Cloud encryption storage avoids losses caused by loss or man-made damage of users' computer equipment; document granularity authority management and version control are achieved through efficient internal information sharing mechanism, which facilitates accumulation and reuse of enterprise knowledge,overall corporate operation efficiency improvement.



生产过程管理 Production Process Management

掌控整个生产过程，生产计划智能决策，可根据订单任务量、花样标准机时、计划完工时间自动推荐排产设备数量，根据生产任务智能推荐最合适的机器设备，同时实现花型文件远程上传管理、多端口实时查询数据等多功能应用

It helps to control the whole production process and make production plan decisions in an intelligent way. It can automatically recommend the number of production scheduling devices according to the order task, pattern standard machine hour and planned completion time, and intelligently recommend the most suitable machine and device according to the production task. At the same time, it can also realize multi-functional applications such as remote upload management of pattern files and multi-port real-time data query.



数据分析管理 Data Analysis and Management

可视化的报表平台通过产量分析、稼动率分析、故障报警分析等报告，实现对工厂产能、工人产量、生产进度、工厂效率、工人效率、设备效率的实时掌控，快速定位生产过程中的异常节点，不断优化工厂管理策略，提高生产效率，也为工人计件工资计算提供更准确的数据依据

Through output analysis, utilization rate analysis, faultalarm analysis and other reports, its visual reportplatform can realize real-time control of factory capacity-worker output, production progress, factory efficiency,worker efficiency and equipment and device efficiency,quickly locate abnormal nodes in the production processcontinuously optimize factory management strategies andpolicies, improve production efficiency, and provide more-accurate data for calculating workers' piece-rate wage.



车间看板
Workshop signage



每日工资
Daily salary

设备智能管理 Production Equipment Management

全方位实时监控和管理各生产设备的运行状态，将设备数据、设备工作状态，以及运行效率各方面数据集中管理，有效降低故障发生率；如有故障自动报警，专业的技术服务人员可远程运维处理，避免影响生产进度

It monitors and manages the running state of each production device in an all-round and real-time way, and centralizes the management of device data, device working state and running efficiency, so as to effectively reduce the fault rate. Once there is a fault, it automatically gives an alarm. At the same time, professional technical service personnel can carry out remote O&M-related processing to avoid avoiding the production progress.



花型列表
Pattern List



机器监控
Machine monitoring



月工资统计
Monthly salary statistics



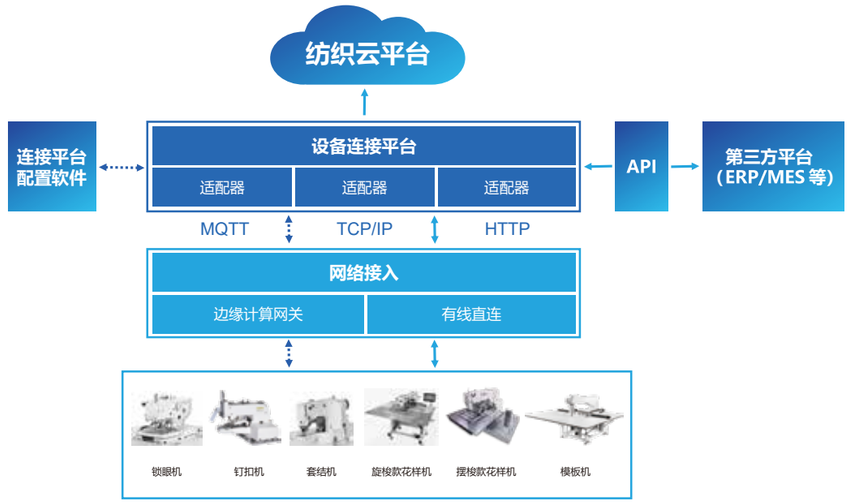
综合看板
Comprehensive Kanban

设备接入平台

Device Access Platform >> >> > > >

提供安全、高效、稳定的设备连接平台，支持海量设备接入服务，开放的数据平台服务，满足用户深度定制化需求

It can provide safe, efficient and stable equipment link platforms, support a large volume of equipment access service and open digital platform service, and satisfy the customized and individual demands of users.



具备高度的弹性 High Flexibility

可以根据需要进行动态扩展和配置，实现不同厂家的设备同时接入管理系统，打通不同设备的数据壁垒，建立生产设备跟自身业务系统之间稳定流畅的数据通道

It is capable of dynamically expanding and configuring according to the specific needs, so as to realize the simultaneous device access from different manufacturers to the management system, break through the data barriers of different devices, and establish a stable and smooth data channel between production equipment and devices and its own business system.

完善的负载均衡处理机制 Sound Load Balancing Processing Mechanism

有效解决“设备 - 设备”、“设备 - 第三方应用”、“设备 - 云服务”之间高并发的数据通信需求

It effectively solves the highly concurrent data communication requirements among "device-device", "device-third-party application" and "device-cloud service".

先进的数据存储及处理技术 Advanced Data Storage and Processing Technology

确保连接平台处理数据实时高效，数据移动性保障生产效率，通过应用数据加密技术，确保第三方客户管理系统和客户生产设备数据交互的稳定高效、安全完整

It ensures the link platform data processing real time and efficient, and its data mobility will guarantee the production efficiency. By applying data encryption technology, it ensures the stable, efficient, safe and complete data interaction between the third-party customer management system and the customer production devices.

同时支持多种网络接入方式 Multiple Network Access Methods Support

可靠的适配灵活性，满足不同技术背景团队的业务管理系统开发需求，轻松融合多种应用场景，降低客户开发成本

It is so reliable and adaptable that it can meet the development needs of business management systems of teams with different technical backgrounds, easily integrate various application scenarios and reduce customer development costs.

工业缝制智控系统

Intelligent Control System for Industial Sewing Machines

缝制智控系统主要配套于花样机、模板机等缝中机械设备

The sewing electronic control system is mainly equipped with pattern machines mechanical equipment such as template machines in the seam.

智能模板机控制系统

Intelligent Control System for Template Sewing Machine >> >> > >



全兼容交互系统
Fully-compatible interactive system

3500转极速缝制
3500RPM high-speed sewing

工业级智能触控
Industrial-grade smart touch control

龙门同步精准控制
Precise control for gantry synchronization

技术亮点 Technical Highlights



行业全兼容
Industry-wide compatibility

软硬件完全兼容主流设备与花型文件格式，切换“0”门槛

Fully compatible with mainstream hardware, software, and pattern file formats, allowing instant switching with no setup required.



龙门同步精准控制
Precise control for gantry synchronization

专利算法实现机针轴和梭轴高精度同步，高速转弯不降速

Patented algorithm ensures high-precision synchronization between the needle shaft and shuttle hook, maintaining full speed even during high-speed turns.



真3500转高速缝制
3500RPM high-speed sewing

较传统设备提速20%，满足快反订单需求；叠加低温运控专利，电机运行更稳定，寿命更长久

With patented low-temperature operation control technology, the motor runs more stably and enjoys a longer lifespan.



独家触控交互
Exclusive touch interaction

电容IPS屏，多指触控，防尘防水防油

Capacitive IPS screen, multi-finger touch, dustproof, waterproof and oil resistant.



智能随动压脚
Intelligent follow-up presser foot

多材料厚度识别，节省50%人工调试时间

Multi-material thickness recognition, reducing the manual commissioning time by 50%.



RFID/条码识别
RFID/ barcode recognition

模板秒级识别与精准对位，换款效率提升60%

Second-level template recognition, increasing the changeover efficiency by 60%.



物联网生态集成
IoT ecological integration

支持睿能云、私有云，打通设计-生产-管理全链路数据

Support Raynen Cloud and private clouds, connecting the entire data chain from design to production and management.

实现生产效率、品质控制与场景适应性的三重升级，为服装、家居、汽车内饰等行业提供一站式智能缝制解决方案。

Achieve a triple upgrade in production efficiency, quality control and scene adaptability, and offer one-stop intelligent sewing solutions for garment, home furnishing and automotive interior industries.

电子花样机控制系统

Intelligent Control System for Pattern Sewing Machine >> >> > >



全行业生态兼容
Industry-wide ecological compatibility

积木式功能扩展
Cordwood function expansion

工业级高可靠设计
Industrial-grade high-reliability design

云端交互双效协同
Cloud interaction and dual-effect synergy

技术亮点 Technical Highlights



高可靠工业级设计
Highly reliable industrial-grade design

三防电容屏+宽电压输入适应复杂工况，三重容错机制（断线检测/底线预测/断电续缝）降低50%停机风险

Dustproof, waterproof and oil-resistant capacitive screen + wide voltage input, adapting to complex working conditions; triplex fault-tolerant mechanism (line break detection/ bottom line prediction/ resumption in case of power failure), reducing the downtime risk by 50%.



全行业生态兼容
Industry-wide ecological compatibility

无缝对接主流电控系统，兼容RNB/DX-F/PLT等文件格式，支持多品牌云平台接入；多点触控IPS屏+多国语音导引，设计效率提升40%

Connect with mainstream computer control systems seamlessly, be compatible with RNB/DXF/PLT and other file formats, support multi-brand cloud platform access, multi-touch IPS screen + multi-language voice guide, increasing the design efficiency by 40%.



全流程智能缝制
Whole-process intelligent sewing

面料轮廓秒级识别与自动缝制，智能压脚适配高低层，RFID/扫描枪缩短生产周期30%

Second-level fabric contour recognition and automatic sewing, intelligent presser foot for high and low layers, RFID/ scanner shortening the production cycle by 30%.



积木式功能扩展
Cordwood function expansion

模块化架构支持激光切割、自动换梭等外设即插即用，搭载睿能自研通用自动化产品实现机械参数可编程，助力客户快速实现自动化缝制单元开发和大规模交付

modular architecture supporting plug-and-play of external devices such as laser cutting and automatic shuttle changing devices, compatible with Raynen automation product chain, enabling quick switching between multiple product categories and assisting customers in achieving rapid large-scale delivery.



云端交互双效协同
Cloud interaction and dual-effect synergy

无缝对接云端，实时数据统计与远程监控，优化生产决策

Seamless cloud connection, real-time data statistics and remote monitoring, optimizing production decisions.



可选配GPS定位
Built-in GPS Positioning

可选配GPS定位及电子围栏模块，轻松应对按揭或租赁多业务模式，提高业务效率和安全性

Integrated software and hardware modules with built-in GPS positioning and electronic fences, providing remote positioning and electronic fence solutions for mortgage or rental equipment.

制版软件系统

Software system

集工艺设计、图片处理、制版设计等多模块为一体，提高从客户订单到资料生成各个环节的工作效率，为纺织行业提供先进的制图软件

Integrating multiple software such as sweater style matching,image processing,and Pattern Design, we improve the efficiency of various processes from customer orders to data generation, and provide advanced drawing software for the textile industry.

模板机制版软件

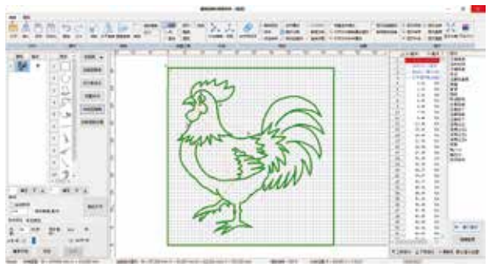
Template Machine Plate Making Software >> >> > > >

简洁直观的界面

The interface is simple and friendly

睿能PC制版界面设计简洁友好，结构合理，操作直观，无需复杂学习即可快速上手，降低学习成本

The carefully designed interface ensures the software's ease of use, allowing for quick mastery of Ruineng PC plate making software without the need for complex training, greatly reducing learning costs.

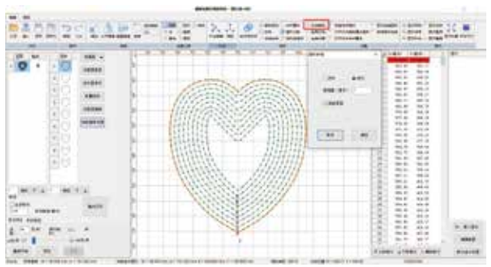


优质等距曲线算法

High quality equidistant curve algorithm

采用高效的等距曲线算法，曲线平滑，适用于鞋业、帽饰、服装等领域，为制版提供了优质的工具和支持

Excellent curve smoothing performance enables efficient and accurate design, providing high-quality tools and support for plate making.



智能切割

Free cutting

支持强大的图形编辑功能，包括智能切割、自定义切割和任意图形切割，满足精细设计需求

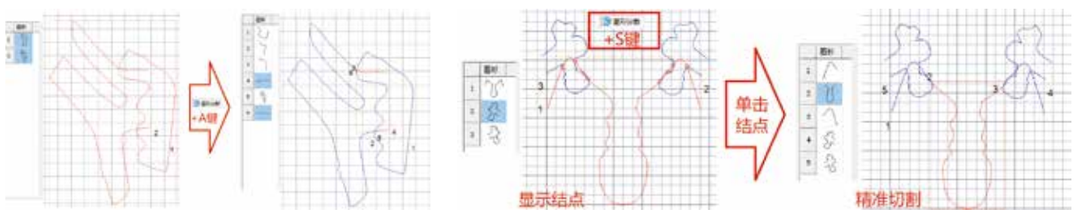
The graph can be cut into multiple parts while removing excess parts that are no longer limited by the overall graph, ensuring the freedom and precision of the design.

1)自动切割图形(A)，去除多余元素，优化设计

The graph can be cut into multiple parts while removing excess parts that are no longer limited by the overall graph, ensuring the freedom and precision of the design.

2)自动定位曲线结点（S），确保精准切割

Excellent curve smoothing performance enables efficient and accurate design, providing high-quality tools and support for plate making.

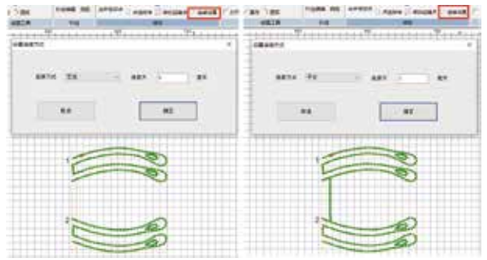


灵活的连接线选择

Double herringbone seam

支持平针或跳针连接线，满足不同间距图形的连接需求，为制版提供更合理地走线方案

One click automatic generation of double zigzag seams with opposite directions, without limiting the width of the zigzag seam, quickly completing template design

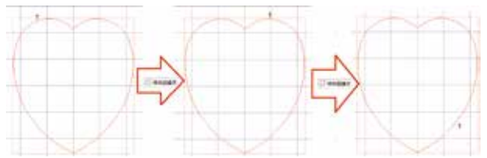


自由起缝点设置

Double herringbone seam

支持自定义起缝位置，优化缝纫路径，让缝纫轨迹更加合理，提高缝制效率

One click automatic generation of double zigzag seams with opposite directions, without limiting the width of the zigzag seam, quickly completing template design



多格式文件兼容

Double herringbone seam

支持将AutoCAD、CorelDRAW等软件设计的图形转换为模板机所需的加工文件，轻松实现图形到缝纫点的转换

One click automatic generation of double zigzag seams with opposite directions, without limiting the width of the zigzag seam, quickly completing template design



智能点选排序

DXF automatic docking engraving software

通过点选排序功能，根据单击图形顺序排列所有图形顺序，操作更加快捷高效

The exported file can be directly docked with carving software, making it easy to create carving templates and sewing patterns.



自定义指令支持

DXF automatic docking engraving software

可配置各种控制指令，满足特殊工作流程需求，提供个性化缝纫方案

The exported file can be directly docked with carving software, making it easy to create carving templates and sewing patterns.



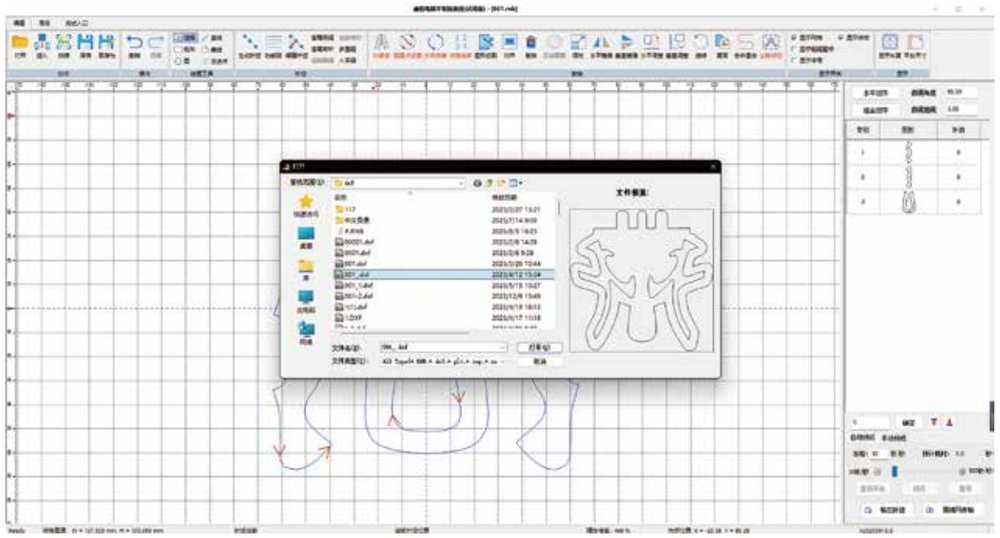
花样机制版软件

Pattern Machine Plate Making Software >> >> > > >

界面简洁、友好 The interface is simple and friendly

精心设计的界面确保了软件的易上手性，无需复杂培训，即可快速掌握睿能PC制版软件，大大降低学习成本

The carefully designed interface ensures the software's ease of use, allowing for quick mastery of Raynen PC plate making software without the need for complex training, greatly reducing learning costs.

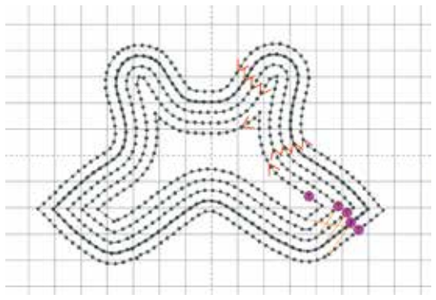


优质等距曲线算法

High quality equidistant curve algorithm

出色的曲线平滑性能，能够以高效、精确的方式快速实现设计，为制版提供了优质的工具和支持

Excellent curve smoothing performance enables efficient and accurate design, providing high-quality tools and support for plate making.

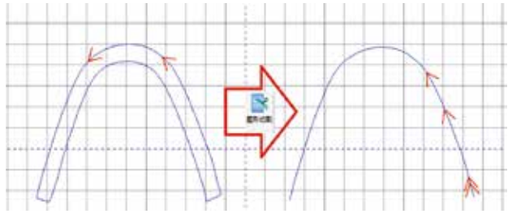


自由切割

Free cutting

可将图形切割成多个部分，同时删除多余部分不再受限于整体图形的限制，保证设计的自由度和精细度

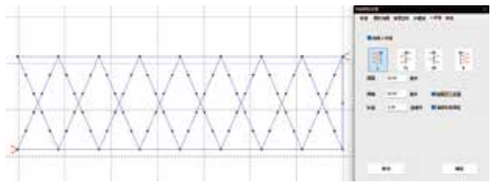
The graph can be cut into multiple parts while removing excess parts that are no longer limited by the overall graph, ensuring the freedom and precision of the design.



双人字缝 Double herringbone seam

一键自动生成方向相反的双人字缝，不限制人字缝的宽度，快速完成模板化设计

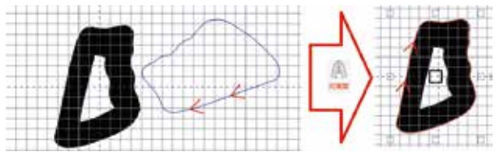
One click automatic generation of double zigzag seams with opposite directions, without limiting the width of the zigzag seam, quickly completing template design



对底版 To the base plate

智能对比成品图片与雕刻线，将两者轮廓线精确匹配，轻松组合为完整成品线条

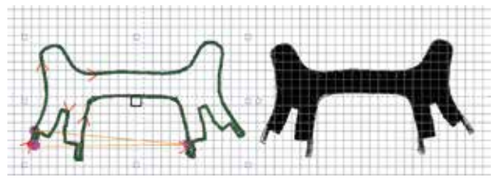
Intelligent comparison of finished product images and carving lines, accurately matching the contour lines of the two, easily combining them into complete finished product lines.



图像智能识别 Intelligent Image Recognition

自动提取图像轮廓线，实现高度精准识别

Automatically extract image contour lines to achieve highly accurate recognition.



局域网智能连接 LAN intelligent connection

轻松实现机器文件的传输、管理，同时也能够查看传输文件的历史记录，更好的管理机器以及提升工作效率

Easily achieve the transmission and management of machine files, while also being able to view the history of transmission files, better manage the machine and improve work efficiency.

DXF自动对接雕刻软件

DXF automatic docking engraving software

导出文件可直接与雕刻软件对接，轻松创建雕刻模板和缝纫花样图

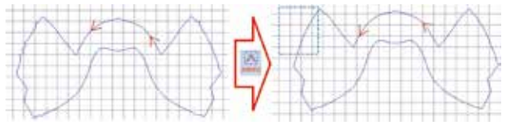
The exported file can be directly docked with carving software, making it easy to create carving templates and sewing patterns.



一键平滑 One click smoothing

一键去除导入的雕刻线图片的尖角标记，使线条变得平滑

One click removal of sharp corner markings from imported engraving line images, making the lines smoother.



文件兼容 File compatibility

支持行业内主流的花样格式，包括DXF、PLT、SEP、NSP等，充分满足设计需求

Support mainstream pattern formats in the industry, including DXF, PLT, SEP, NSP, etc., to fully meet design requirements.





扎根中国, 服务全球

Rooted in China, Serving the World >> >> > > >



20+ 分子公司 Subsidiary Companies

4个 研发中心 R&D Center

4个 生产基地 Production Base

40+ 服务网点 Service Network

5个 海外办事处 Overseas Branch

研发中心 National R&D center

福州、上海、常州、武汉
Fuzhou, Shanghai, Changzhou, Wuhan

生产基地 Production bases

福州总部生产基地
Production base at the headquarters in Fuzhou

常州伺服系统产线基地
Servo system production line base in Changzhou

嘉兴变频器产线基地
Inverter production line base in Jiaxing

东莞松山湖智能生产基地
Intelligent production base in Songshanhu, Dongguan

分公司及办事处

Branches and Offices >> >> > > >

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