

POWERMAX



IoT System Overview

CONTENTS

01

02

03

04

About POWERMAX

IoT System Solution

IoT System

Hardware

Successful Cases





01

About POWERMAX

About POWERMAX



Company Name: Shanghai POWERMAX Technology, Inc.

Registered Address: Pudong Software Park, Zhangjiang Hi-Tech Park, Shanghai, China

Registration Time: October 2002

Registered Capital: RMB 76.93 million

Business Address: 5/F, Building 12A, No. 88 Pujiang Xinjunhuan Road, Minhang District, Shanghai
(Caohejing Pujiang Software Park)

Company Type: Limited Liability Company

Parent Company: Routon Electronic Co., Ltd.

Business Scope: Research, development, production, and sales of embedded software, power electronics, motors and control systems, and mechatronics system products, along with their application software; import and export of goods and technology.

About Routon Electronic



Routon Electronic (Parent Company)
Stock Code: SH.600355

- National Key High-Tech Enterprise
- Listed on the Main Board in 2002
- National Postdoctoral Research Station
- Annual Production Capacity: 5 million units (sets)
- Certified under ISO 9001, ISO 14001, and other management systems
- Equipped with over 1,000 internationally advanced production and testing devices

Qualifications



- Shanghai Science and Technology "Little Giant" Enterprise
- National Standardization Demonstration Enterprise in the Standardization Demonstration Zone
- Top 100 Science and Technology Enterprises in China's Light Industry
- Top 50 Enterprises in China's Light Industry Equipment Manufacturing
- Leading Enterprise in China's Sewing Machinery Industry
- Top 10 Enterprise in China's Sewing Machinery Industry
- Vice Chairman Unit of the China Sewing Machinery Association (CSMA)
- Recognized as an Advanced Member at the 40th Anniversary Conference of the CSMA
- Shanghai High-Tech Enterprise; Shanghai Innovative Enterprise
- Shanghai Famous Brand Product Enterprise
- Shanghai Patent Development & Cultivation Enterprise
- Excellent Brand in Shanghai Light Industry
- Enterprise Technology R&D Institution in Pudong New Area
- Member of the China Intelligent Sewing Factory Technology Service Alliance
- Recognized as one of the "Top 10 Famous Brands of Auxiliary Devices Preferred by Users" by Saier Media
- Awarded at the 3rd (Bright International Cup) Shanghai Light Industry Famous Brand (Product) Selection
- Honorary Title of "Shanghai Light Industry Craftsman"; Shanghai Light Industry Excellent Designer Award



Development Milestones



-  2002
-  2003
-  2007
-  2008
-  2011
-  2012
-  2015
-  2018
-  2019
-  2023
-  2024

POWERMAX was founded in Shanghai Zhangjiang Hi-Tech Park.

Launched the first-generation product Handi-AH40 at CISMA 2003.

Appointed as the Director Unit of the China Sewing Machinery Association's Electronic & Control Committee.

Recognized as a National High-Tech Enterprise.

Led a key project under China's Ministry of Science and Technology's Science & Technology Support Program: R&D of a servo control system for energy-efficient sewing equipment.

Recognized as a Leading Industrial Enterprise in the "Electronic & Control" sector of the sewing machinery industry.

Certified as an "SRDI (specialized, refinement, differential, innovation) Enterprise".

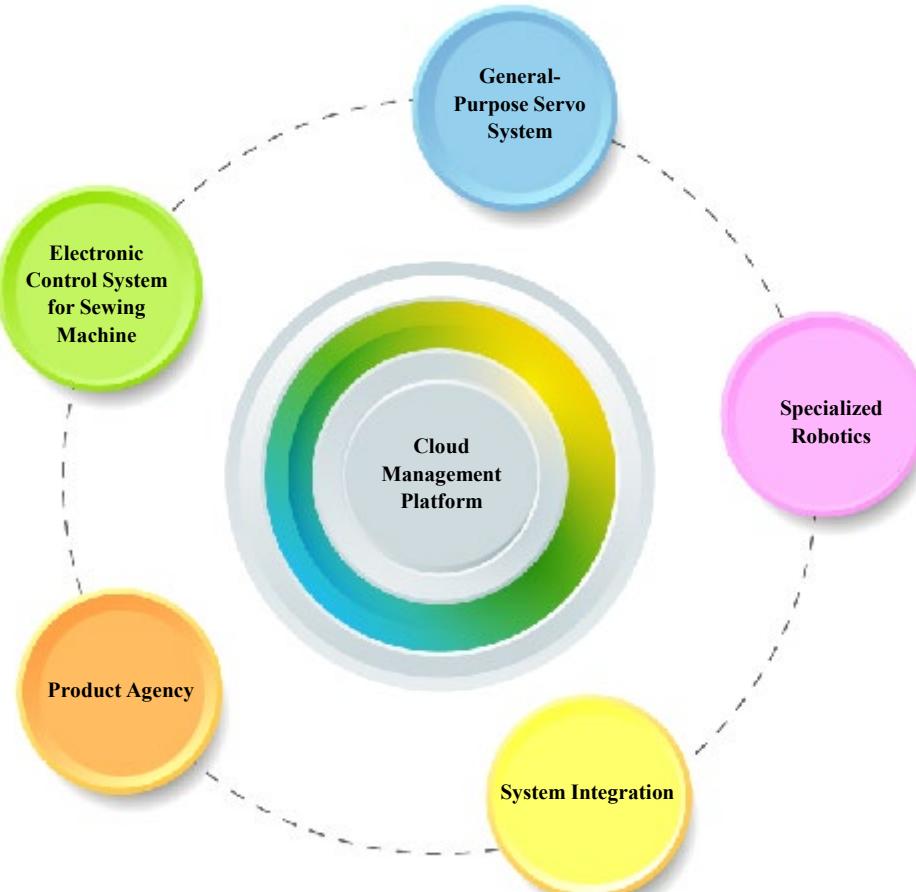
Ranked among the Top 100 Enterprises in China's Light Industry and the Top 10 Enterprises in China's Sewing Machinery Industry.

Awarded the title of Shanghai "Science & Technology Little Giant" and recognized as the China Light Industry CNC Engineering Technology Research Center.

POWERMAX Intelligent CNC System honored as a "Shanghai Light Industry Famous Brand (Product)".

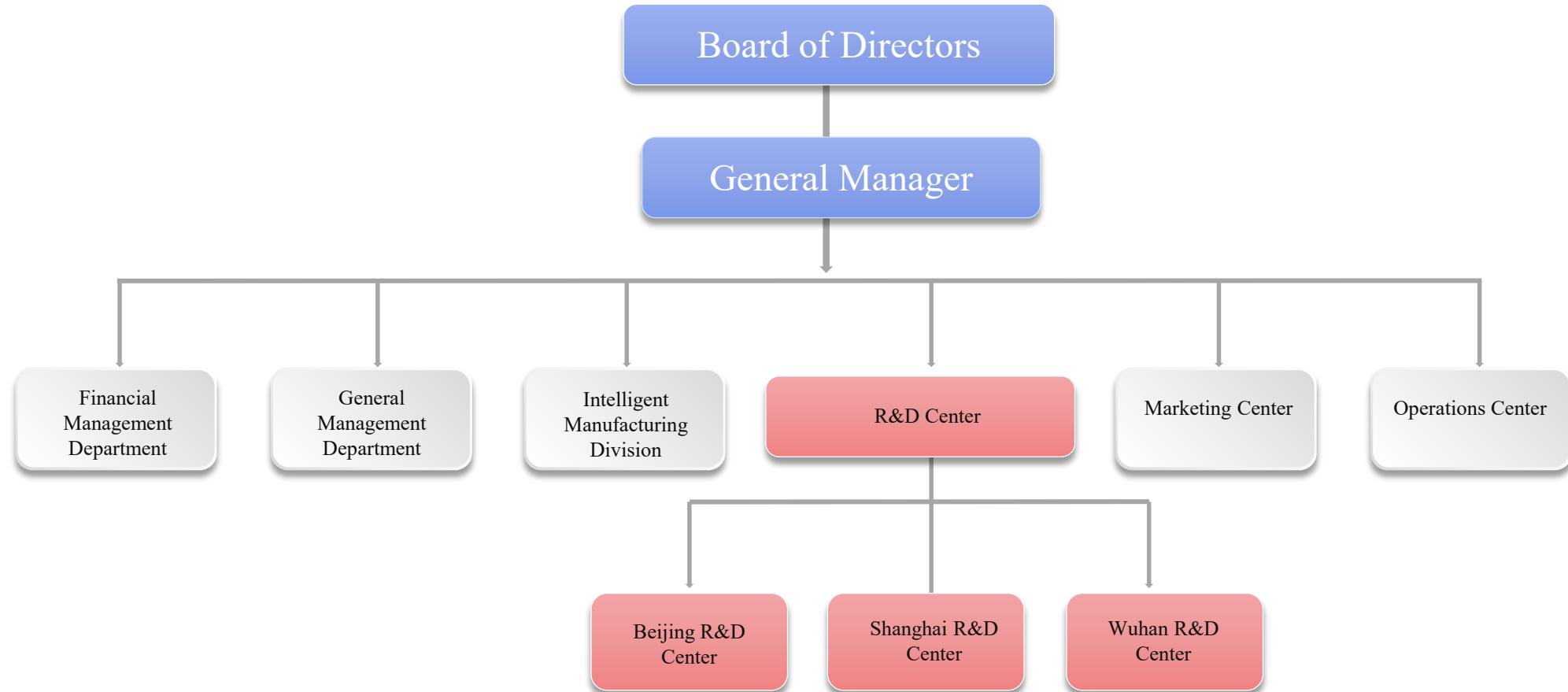
Received multiple industry accolades, including the Advanced Member Award at the 40th Anniversary of the China Sewing Machinery Association; honorary title of "Shanghai Light Industry Craftsman"; Shanghai Light Industry Excellent Designer Award.

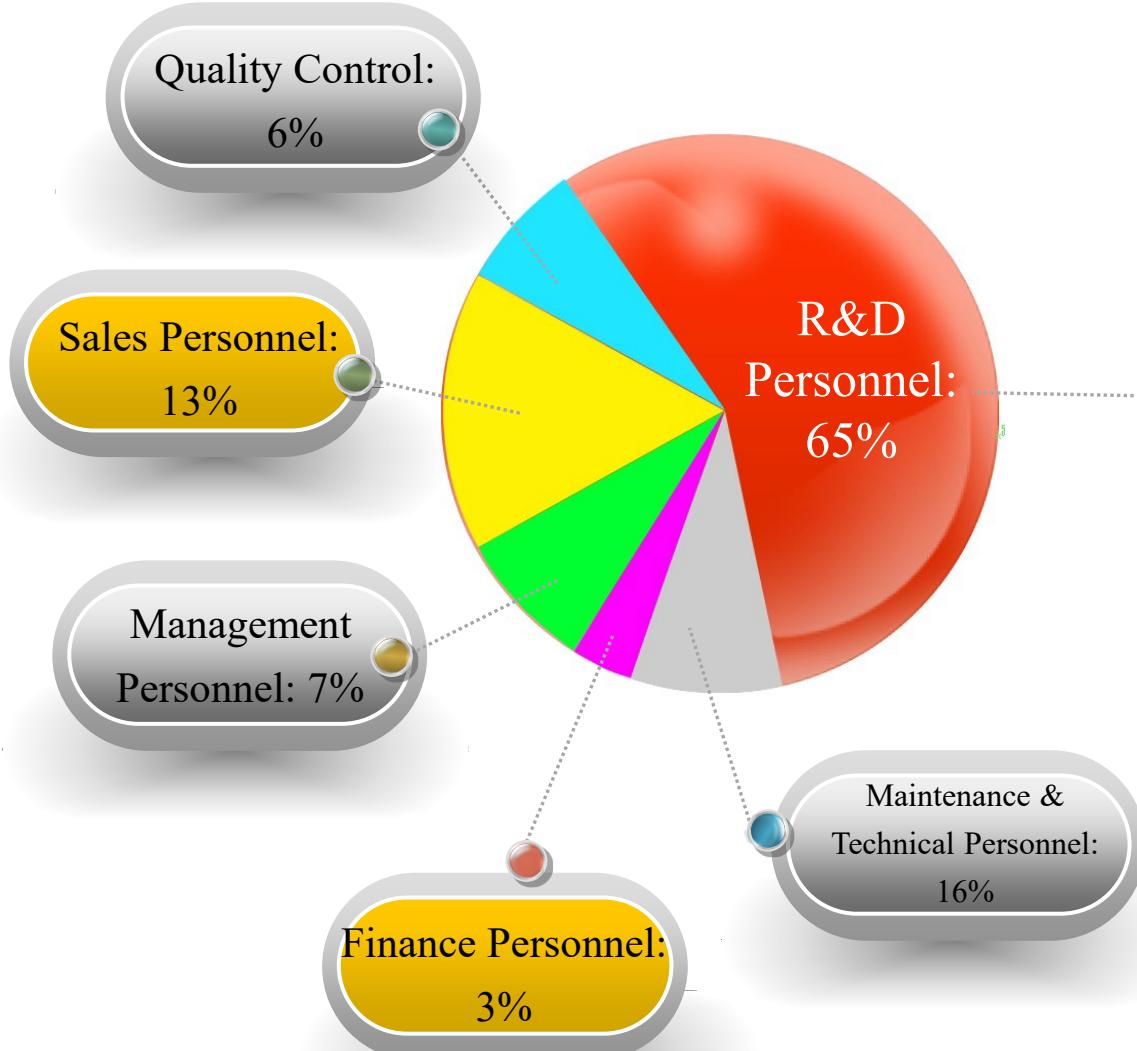
Business Scope



POWERMAX adheres to the development strategy of "Professionalism, Innovation, Collaboration, and Win-Win", leveraging advanced servo drive technology, motion control technology, and power electronics to deliver intelligent, industry-specific solutions.

Organizational Structure

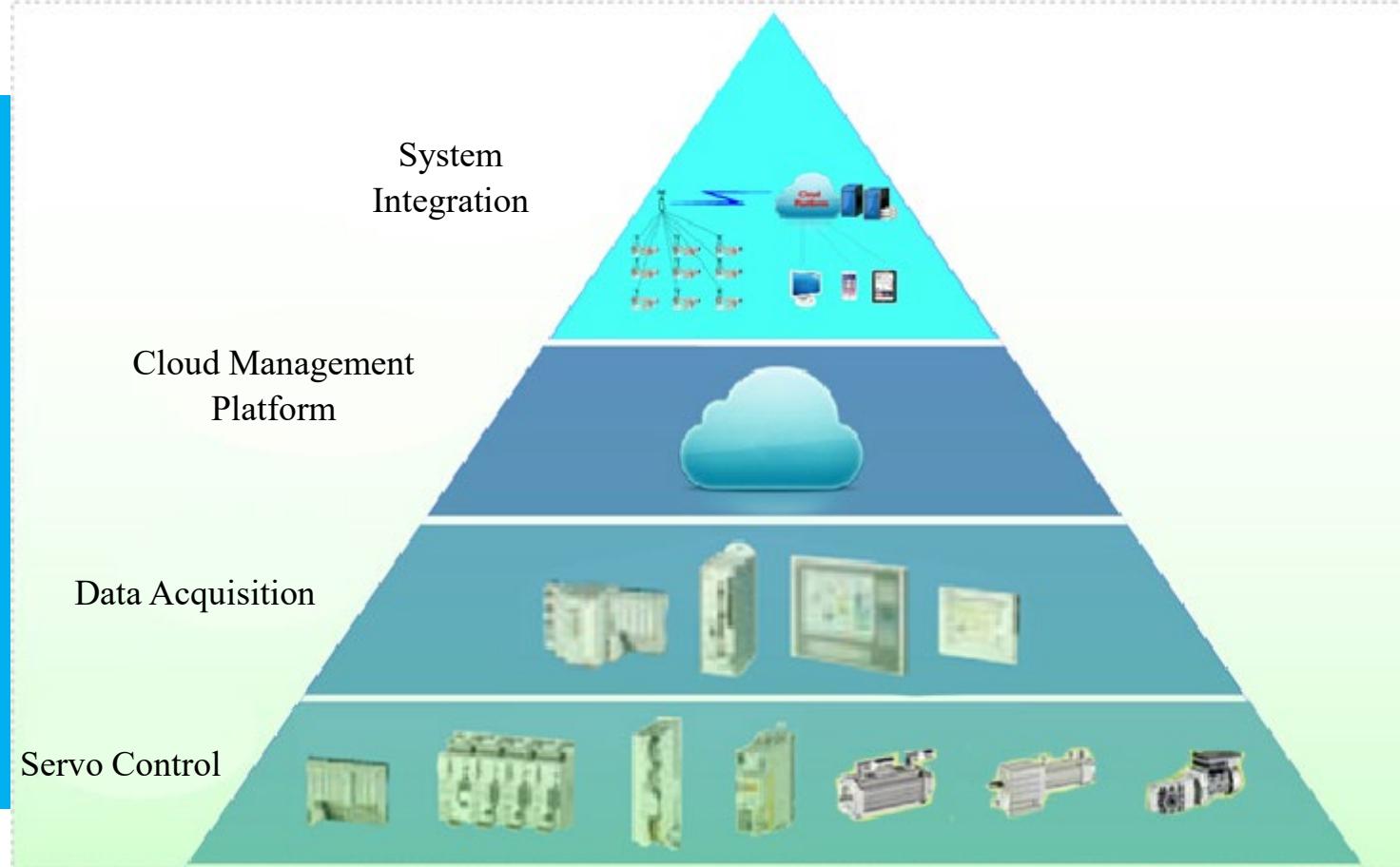




Total R&D Staff: 56

Including 10 PhD and master's degree holders and 25 bachelor's degree holders

Specialized Technology Areas



Corporate Achievements



Technical Achievement Award

- National-level Certificates: 2
- Provincial and Ministerial-level Certificates: 6
- Shanghai Municipal-level Certificates: 7

Participation in Standards Development

- National Standards: 7
- Industry Standards: 25

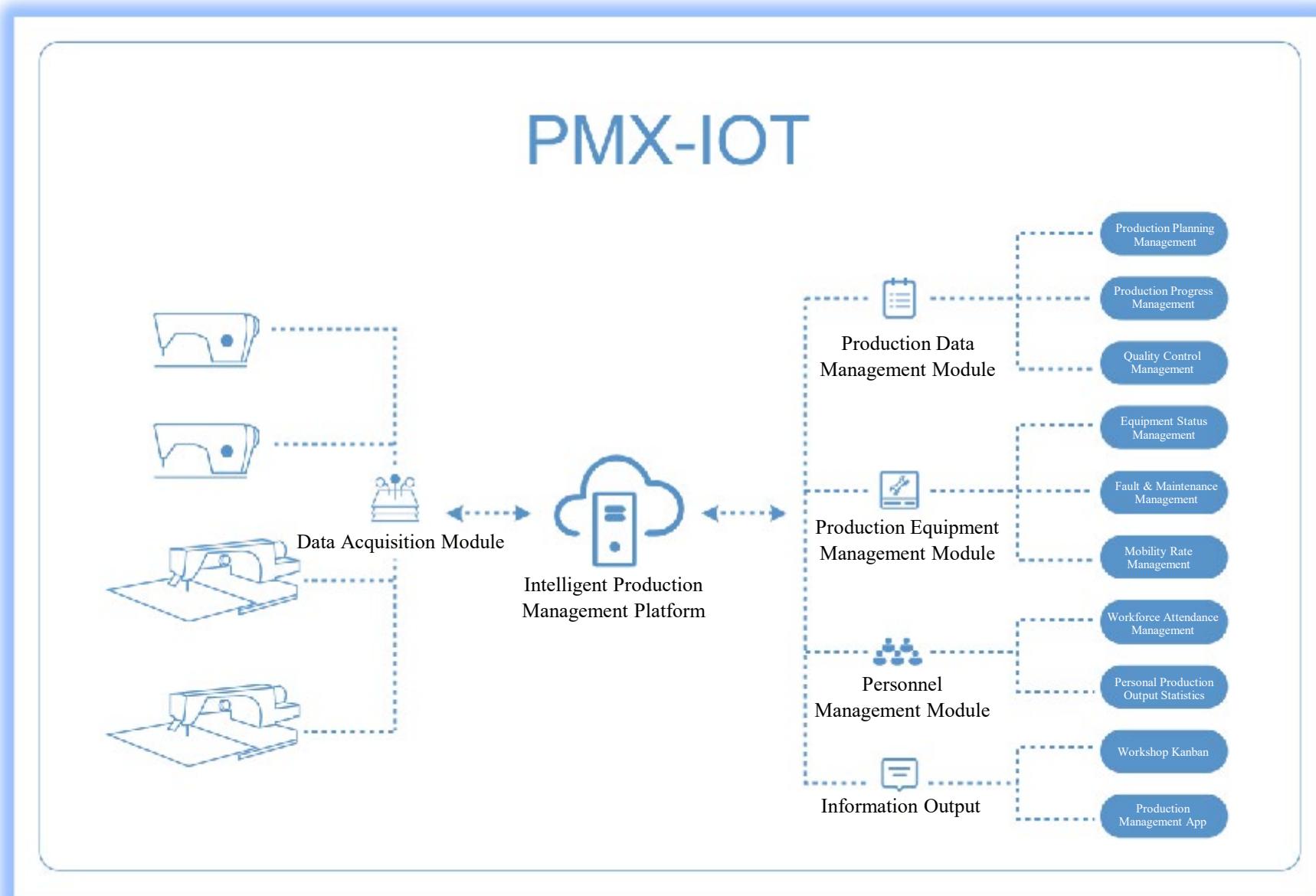
Intellectual Property Development

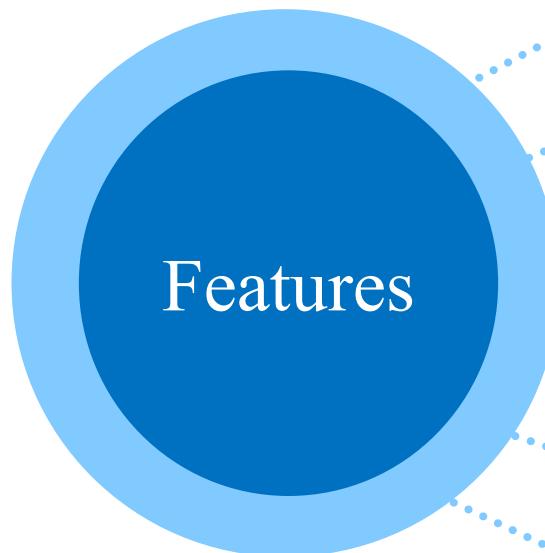
- Granted and Valid Patents: 160
- Invention Patents: 21
- National Patent Excellence Awards: 2



02

IoT System Solution





- Real-time acquisition & instant reporting of production data.
- High-reliability database ensures permanent data preservation, enabling retrospective analysis and statistical insights.
- Granular production tracking, providing detailed visibility from order-level progress down to individual color sub-orders, production lines, employees, and process stages.
- Real-time logging and reporting of production quality issues with configurable threshold-based proactive alerts.
- Real-time tracking of machine conditions, supporting equipment call functions and maintenance management.
- Supports multiple output formats, including web-based dashboards, workshop Kanban displays, a dedicated production management app, and WeChat mini-programs.
- Message subscription – AI-driven big data analysis triggers proactive alerts via the app or WeChat mini-program for production anomalies.



IoT System Function Demo

1. Production Data Management

IoT System Function Demo: Product Management



Product Management

<input type="checkbox"/>	Product num	Product name	Picture	Operation
<input type="checkbox"/>	T-Shirts	运动短袖		Update Delete
<input type="checkbox"/>	adler-test5	fabric-bed		Update Delete
<input type="checkbox"/>	20250509	武汉研发测试产品		Update Delete
<input type="checkbox"/>	23454	测试		Update Delete
<input type="checkbox"/>	avatar001	阿维塔07座椅		Update Delete

Total 9 5/page [1](#) [2](#) [>](#) Go to

IoT System Function Demo: Order Scheduling



POWER
TECHNOLOGY
AND
MAX
INTEGRATION

Order Scheduling

Select	Order number	Product num	Product name	Production organization	Production status	Order date	Delivery date	Operation
<input type="radio"/>	TEST0001	T-Shirts	运动短袖	测试工厂(武汉), 测试车间...	To be produced	2025-08-20	2025-08-29	Finish Start production
<input checked="" type="radio"/>	wuhan-test-815	CZ079016100	AIR	测试工厂(武汉), 测试车间...	Producing	2025-08-15	2025-08-15	Finish Suspend production
<input type="radio"/>	wuhan-25630	CZ079016100	AIR	测试工厂(武汉), 测试车间...	To be produced	2025-06-30	2025-06-30	Finish Start production
<input type="radio"/>	wuhantest-623	CZ079016100	AIR	测试工厂(武汉), 测试车间...	To be produced	2025-06-23	2025-06-25	Finish Start production
<input type="radio"/>	wuhan-616	CZ079016100	AIR	测试工厂(武汉), 测试车间...	To be produced	2025-06-16	2025-06-18	Finish Start production

Total 24 5/page < 1 2 3 4 5 > Go to 1

+ Distribution line Delete production line

Configure

Assigned production line

测试车间针1组-Main line

+ New process

Update sorting Export

Sort	Process number	Process name	Sewing component name	Process type	Operator Name	Operator ID	Stitch count	Trim count	Operation
	1	主流工序1-分拣	-	Anterior mea...	赵月锋	15000000000			Staffing Related process Update Delete
	2	主流工序2-普...	-	Sewing middle	张兴飞	111			Staffing Related process Update Delete

IoT System Function Demo: Production Progress (Manufacturing order progress across different departments, colors, and sizes)



Production Progress

Manufacturing Order Progress

Select	Order number	Product num	Product name	Assigned quantity	Today's production	Completed	Percentage completion	Order date	Delivery date
<input checked="" type="radio"/>	TEST0001	T-Shirts	运动短袖	300	0	0	0%	2025-08-20	2025-08-29
<input type="radio"/>	wuhan-test-815	CZ079016100	AIR	300	0	5	1.67%	2025-08-15	2025-08-15
	wuhan-25630	CZ079016100	AIR	100	0	0	0%	2025-06-30	2025-06-30
	wuhantest-623	CZ079016100	AIR	300	0	22	33%	2025-06-23	2025-06-25
<input type="radio"/>	wuhan-616	CZ079016100	AIR	300	0	5	1.67%	2025-06-16	2025-06-18

Total 22 5/page < 1 2 3 4 5 > Go to 1

Progress of each size

Organization name	Color	Size	Assigned quantity	Today's production	Completed	Percentage completion	Operation
测试车间1针1组	紫色	12	150	0	0	0%	Details
测试车间1针1组	紫色	13	150	0	0	0%	Details

Total 2 5/page < 1 > Go to 1

IoT System Function Demo: Detailed Progress

(Granular tracking at the production line and process level for each size)



Manufacturing Order Progress

The screenshot shows a detailed view of manufacturing order progress. A modal window titled 'Details' is open, showing the following data:

Employee ID	Employee name	Process number	Process name	CT	VT	Standard hours	Finished piece count
111	张兴飞	2	主流工序2-普通工序1	0.0	0.0	0	0

Below the modal, a list of tasks is visible, showing the following data:

Process number	Process name	CT	VT	Standard hours	Finished piece count
6	主流工序6-普通工序	0.0	0.0	0	0

At the bottom of the list, there are pagination controls: 'Total 4', '5/page', and 'Go to 1'.

IoT System Function Demo: Capacity Record Tracking

(Real-time monitoring of each product's processing stages)



Capacity Record

Order number	Order status	<input type="button" value="Reset"/>	<input type="button" value="Query"/>				
Select	Order number	Product num	Product name	Production organization	Assigned quantity	Order date	Delivery date
<input type="radio"/>	TEST0001	T-Shirts	运动短袖	测试工厂(武汉), 测试车间, ...	300	2025-08-20	2025-08-29
<input checked="" type="radio"/>	wuhan-test-815	CZ079016100	AIR	测试工厂(武汉), 测试车间, ...	300	2025-08-15	2025-08-15
<input type="radio"/>	wuhan-25630	CZ079016100	AIR	测试工厂(武汉), 测试车间, ...	100	2025-06-30	2025-06-30
<input type="radio"/>	wuhantest-623	CZ079016100	AIR	测试工厂(武汉), 测试车间, ...	300	2025-06-23	2025-06-25
	wuhan-616	CZ079016100	AIR	测试工厂(武汉), 测试车间, ...	300	2025-06-16	2025-06-18

Total 24 5/page < 1 2 3 4 5 > Go to 1

测试车间针1组-Main line	2025-10-11	Card number	Circulation status	<input type="button" value="Reset"/>	<input type="button" value="Query"/>	<input type="button" value="Export"/>	<input type="button" value=""/>						
Daily planned production: 0	Yesterday's production: 0	Actual production on the day: 0	Today's group inspection output: 0										
Today's surplus production: 0	Rework today: 0	Complete rework today: 0	Rework not completed today: 0										
Production achievement: 0%	Disposable good products: 0	FTT: 0%	Defective repair: 0										
Scrap: 0	Finished goods: 0	Finished product yield: 0%	Defective product: 0										
Color size	Subcontract time	RFID card	Process completed on time-主流工序 2-普通工序1	Process completed on time-主流工序 4-普通工序	Process completed on time-主流工序 5-普通工序	Process completed on time-主流工序 6-普通工序	Process completed on time-主流工序 7-组检	Process status	Finished product status	Bad description	Bad process	Finished product confirmation time	Total time
No Data													

IoT System Function Demo: Quality Statistics

(Comprehensive reporting on quality issues categorized by order, color, and size)



Quality Statistics

Select	Organization name	Sewing component name	Color	Size	Quantity	Completed
<input checked="" type="radio"/>	测试车间1针1组	-	黑色	8	40	6
<input type="radio"/>	测试车间1针1组	-	黄色	9	40	1
<input type="radio"/>	测试车间1针1组	-	绿色	10	40	0
	测试车间1针1组	-	黑色	11	20	0

Total 4 5/page < 1 > Go to 1

today Within a week Within a month Within three months Within half a year Within one year

QC (First-Time Good/Defective)	6/1	Pass rate	85.71%
FTT	85.71%	Rework quantity	0
Scrap	1		

Group inspection defect statistics

Defective process of production line

Pass rate of production line



IoT System Function Demo

2. Production Equipment Management

IoT System Function Demo: Real-time Equipment Data



Real-time Equipment Data

Equipment operation statistics Running parameter statistics Equipment teach information

Nearly seven days running status

Day free time Day running time

1h
0.8h
0.6h
0.4h
0.2h
0h

10-05 10-06 10-07 10-08 10-09 10-10 10-11

Nearly seven days of operation efficiency

Operating efficiency

1%
0.8%
0.6%
0.4%
0.2%
0%
10-05 10-06 10-07 10-08 10-09 10-10 10-11

IoT System Function Demo: Equipment Maintenance Management



Equipment Maintenance Management

Equipment maintenance record

today Within a week Within a month Within three months Within half a year Within one year

Fault statistics

Fault Type	Percentage
安全开关	58.34%
电磁铁回路故障	16.67%
硬件过流	8.33%
系统欠压	8.33%
加油时间保护	8.33%

Faulty equipment models statistics

Equipment Model	Percentage
MX-5200	37.5%
AD801-133	12.5%
DDL-8000A	25%
7300	25%

Organization name	Machine number	Turner	Fault type	Mechanic	Completion status	Call time	Start of maintenance	End of maintenance
上海鲍麦克斯总部,上海实...	PMX-005	张琳	安全开关	金培全	Completed	2025-09-16 13:59:33	2025-09-16 14:04:47	2025-09-16 14:06:27
上海鲍麦克斯总部,上海实...	PMX-002	黄晶晶	电磁铁回路故障	金培全	Completed	2025-09-16 14:00:23	2025-09-16 14:06:53	2025-09-16 14:07:08
上海鲍麦克斯总部,上海实...	PMX-003	李朝霞	硬件过流	金培全	Completed	2025-09-16 14:01:36	2025-09-16 14:07:25	2025-09-16 14:07:59
上海鲍麦克斯总部,上海实...	PMX-004	张健	安全开关	金培全	Completed	2025-09-23 18:46:08	2025-09-23 18:51:43	2025-09-23 18:53:05
上海鲍麦克斯总部,上海实...	PMX-002	黄晶晶	电磁铁回路故障	金培全	Completed	2025-09-23 18:50:40	2025-09-23 18:54:34	2025-09-23 18:54:56

Total 8 5/page < 1 2 > Go to 1



POWERMAX®



IoT System Function Demo

3. Personnel Management

IoT System Function Demo: User Management



User Management

User management

[+ Create](#) [Update](#) [Reset password](#) [Delete](#) [Batch import users](#) [Export](#) [One click import](#)

Institution List

- 测试工厂(武汉)
 - 测试车间
 - 测试车间1针2组
 - 测试车间1针3组
 - 测试车间1针1组

	Name	Sex	Organization	Role name	Position attribute	Operation
<input type="checkbox"/>	lilz	Female	测试工厂(武汉),测试车间,...	车工	Fixed employees	Setting up institutions Click to lock Message subscription
<input type="checkbox"/>	wangsw	Male	测试工厂(武汉),测试车间,...	质检员	Fixed employees	Setting up institutions Click to lock Message subscription
<input type="checkbox"/>	zhangxf	Male	测试工厂(武汉),测试车间,...	车工	Fixed employees	Setting up institutions Click to lock Message subscription
<input type="checkbox"/>	maojw	Male	测试工厂(武汉),测试车间,...	车工	Fixed employees	Setting up institutions Click to lock Message subscription
<input type="checkbox"/>	yangt	Male	测试工厂(武汉),测试车间,...	组长	Floating employees	Setting up institutions Click to lock Message subscription

Total 24 [5/page](#) [1](#) [2](#) [3](#) [4](#) [5](#) [>](#) [Go to](#) [3](#)

IoT System Function Demo: Mobile Applet Terminal - Employee Management Page



POWER
TECHNOLOGY
AND
MAX
INTEGRATION
内日电子有限公司

Applet - Employee Management Page

The image displays two screenshots of a mobile applet terminal interface for employee management. The left screenshot shows a list of employees under 'My staff', with a search bar at the top. The right screenshot shows a detailed view for a selected employee, including order information and a summary of today's output.

Left Screenshot: My staff

- 14:09
- 7.00 KB/S
- 5G
- 28
- My staff
- Please enter staff name search
- 测试车间1针1组
- Details >
- sunjc1 - 车工
- 测试车间1针1组
- offline
- Details >
- liz - 车工
- 测试车间1针1组
- offline
- Details >
- wangsw - 质检员
- 测试车间1针1组
- offline
- Details >
- zhangxf - 车工
- 测试车间1针1组
- offline
- Details >
- maojw - 车工
- 测试车间1针1组
- offline
- Details >
- yangt - 组长
- 测试车间1针1组
- offline
- Details >

Right Screenshot: Employee Management Page

- 14:09
- 0.00 KB/S
- 5G
- 28
- 鲍麦克斯
- liz, welcome!
- Employee Piecework Inquiry
- Employee Work Order
- Order number: wuhan-test-815
- Product Model Number: CZ079016100
- Product Name: AIR
- Today's output
- Refresh
- Process name
- Today's output
- Monthly output
- Work price
- Total



IoT System Function Demo

4. Workshop Kanban

IoT System Function Demo: Production Line Integrated Kanban



POWER
AND
MAX
INTEGRATION
内行的力量在于此

Production Line Integrated Kanban



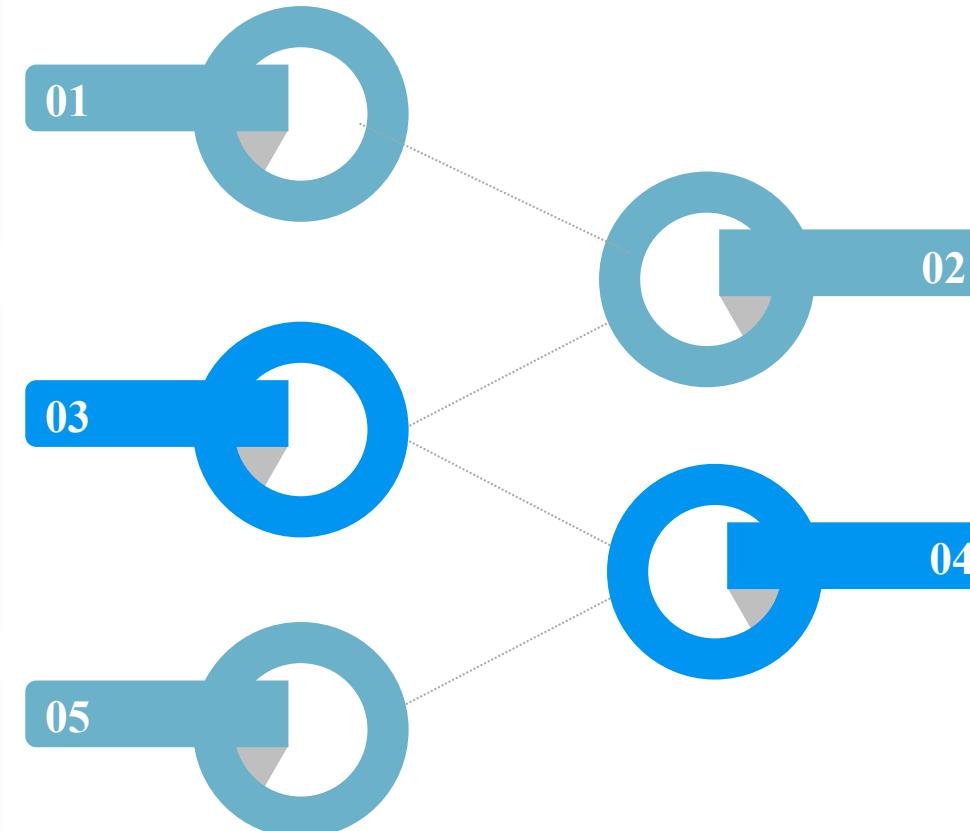
IoT System Function Demo: Production Line

Integrated Kanban Overview

- Displays live production order data, daily and historical production insights, including workforce availability and equipment status, daily target output and real-time completed production, and yield performance;

- Provides real-time piece count and a process time balance chart for each production step. A reference line indicates the standard working hours required to meet daily targets, helping administrators optimize production efficiency;

- Monitors real-time production output for each size, along with quality inspection results and labor distribution statistics, ensuring precise control over production targets.



- Tracks real-time production output by time period, quality inspection results, and rework details (including rework due to incoming material defects and post-inspection repairs);

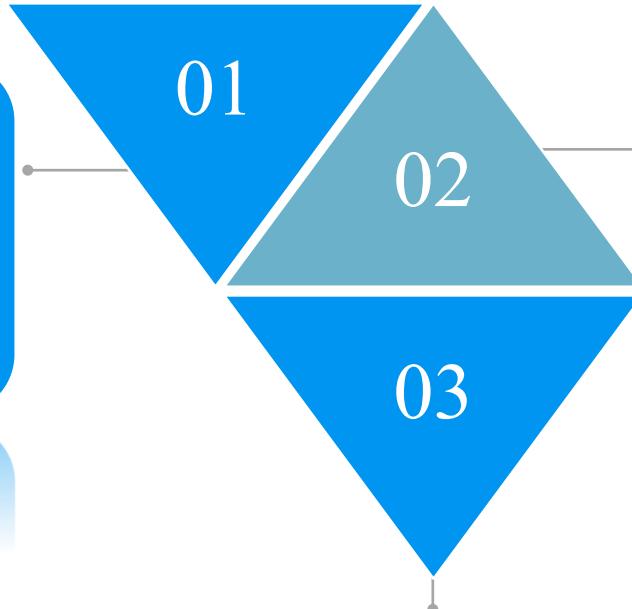
- Generates real-time pie charts analyzing the causes of quality defects, enabling administrators to quickly identify and address issues, minimizing losses;

IoT System Function Demo: Overall Manufacturing Order Progress Kanban (Order Progress)



IoT System Function Demo: Overall Manufacturing Order Progress Kanban Overview

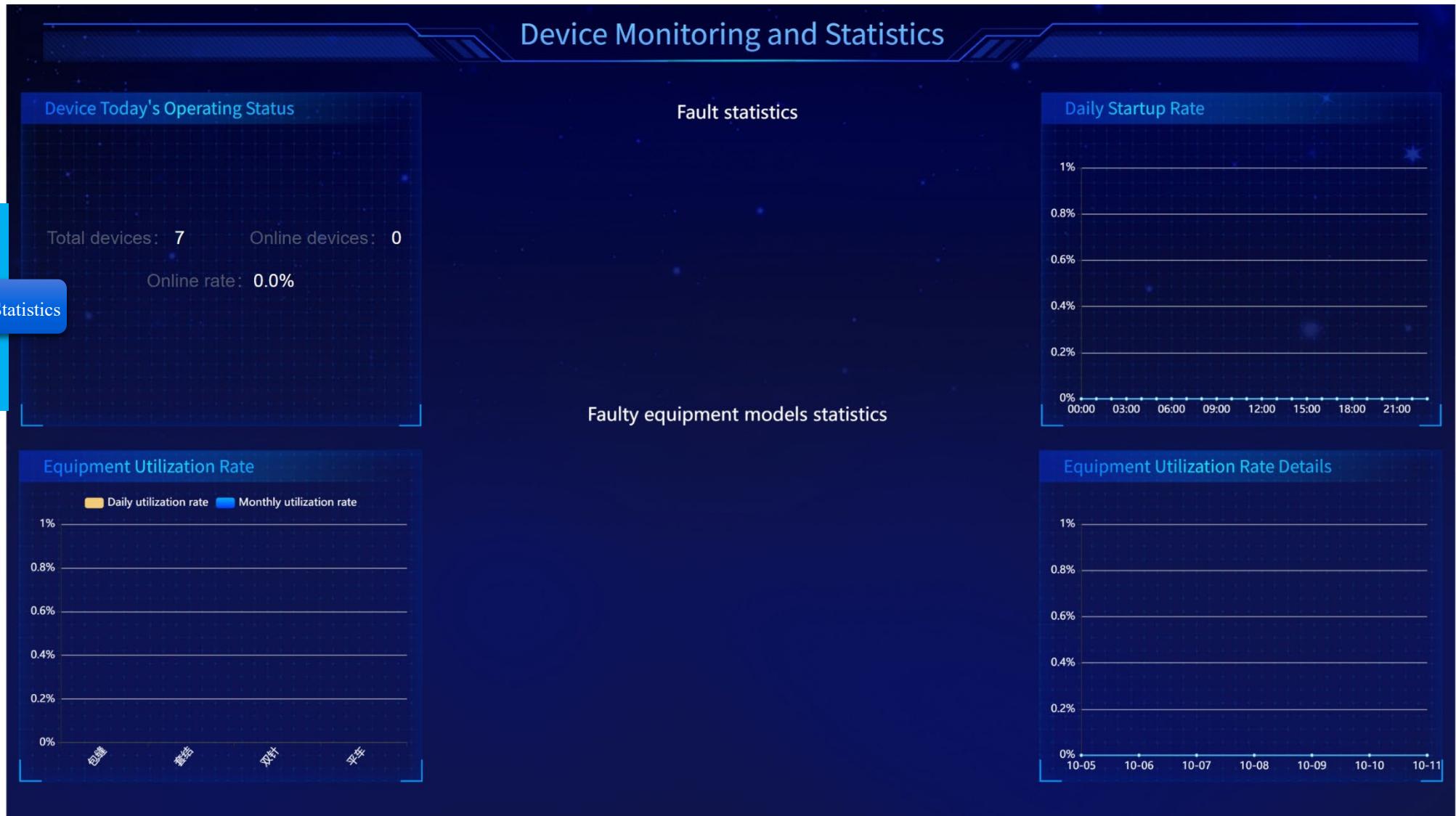
- Overview of manufacturing order progress: Displays the ratio of scheduled, unscheduled, and completed production orders;



- Visualizes the daily production output for each manufacturing order over the past week;

- Real-time production data on each manufacturing order: Planned quantity, completed units, real-time daily output, and planned start and end dates.

IoT System Function Demo: Equipment Monitoring and Statistics Kanban



IoT System Function Demo: Equipment Monitoring and Statistics Kanban Overview



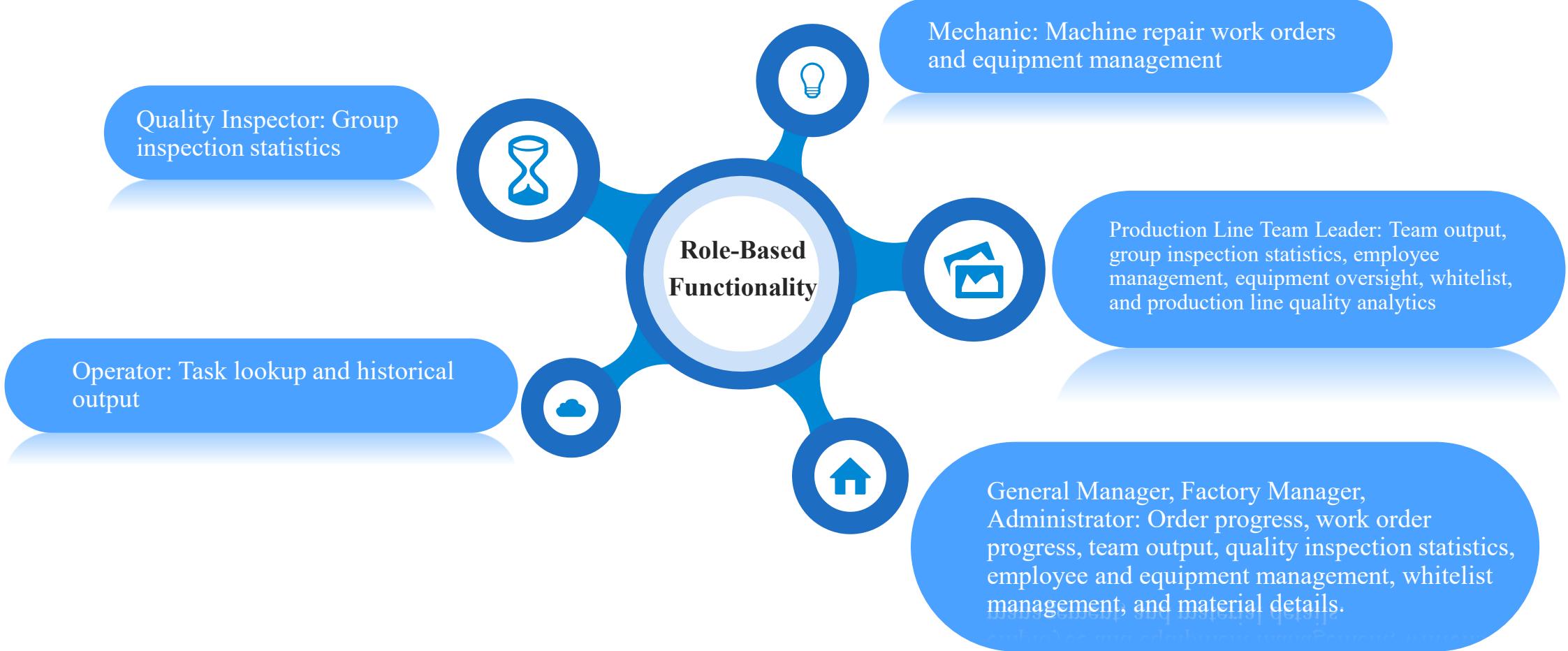
- Total number of devices, power-on/off status, and overall power-on rate;
- Usage rates of different equipment types for the current day and month;
- Failed equipment models and failure proportion statistics (Analyzes failure rates by equipment model, manufacturer, and type);
- Pie charts of the most common equipment failure types;
- Hourly power-on rates throughout the day;
- Equipment utilization rates over the past week.



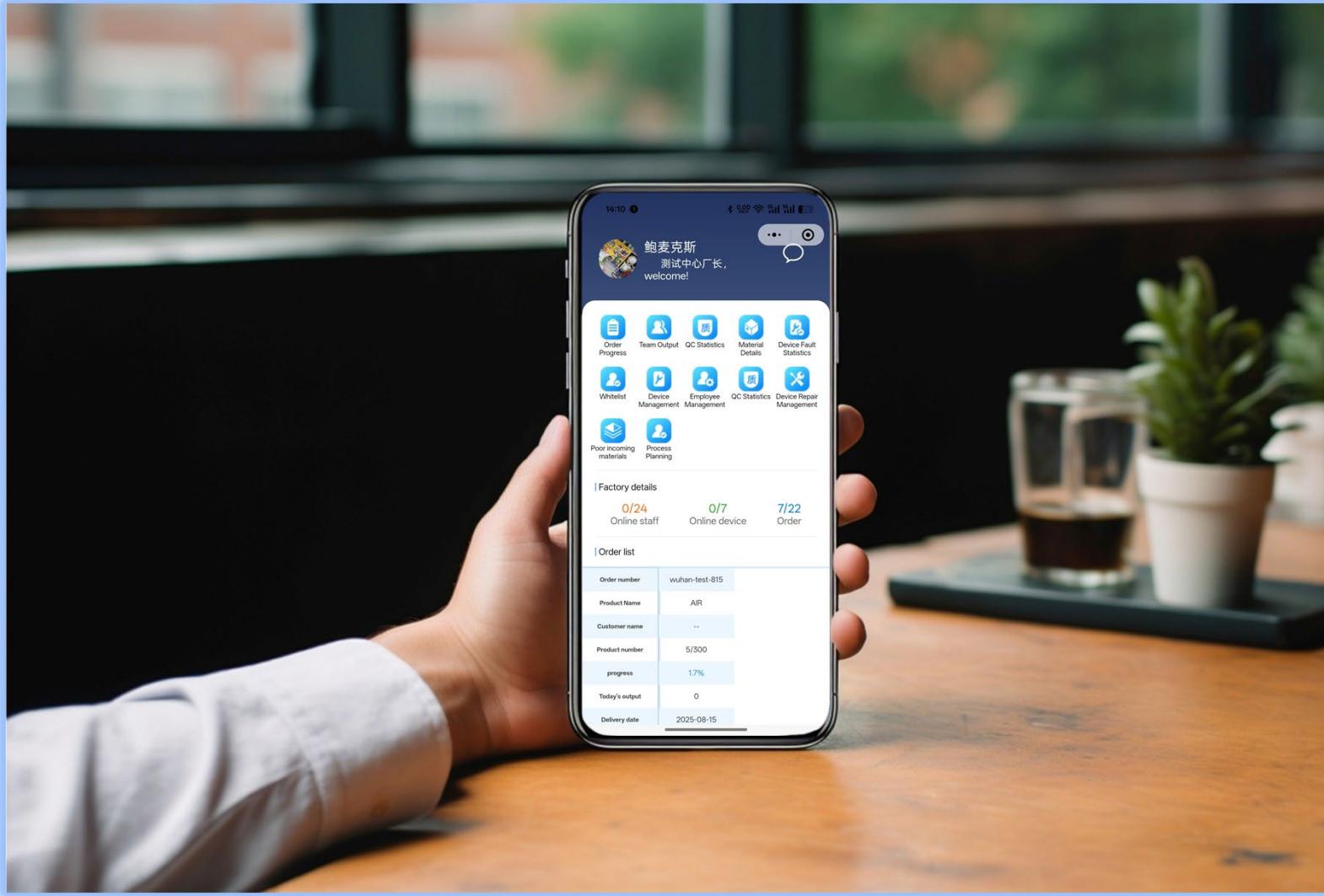
IoT System Function Demo

5. Production Management App

IoT System Function Demo: Mobile App



IoT System Function Demo: Mobile App



IoT System Function Demo: Mobile App - Message Subscription

(The backend proactively pushes abnormal alerts and call notifications to administrators at various levels via the app)



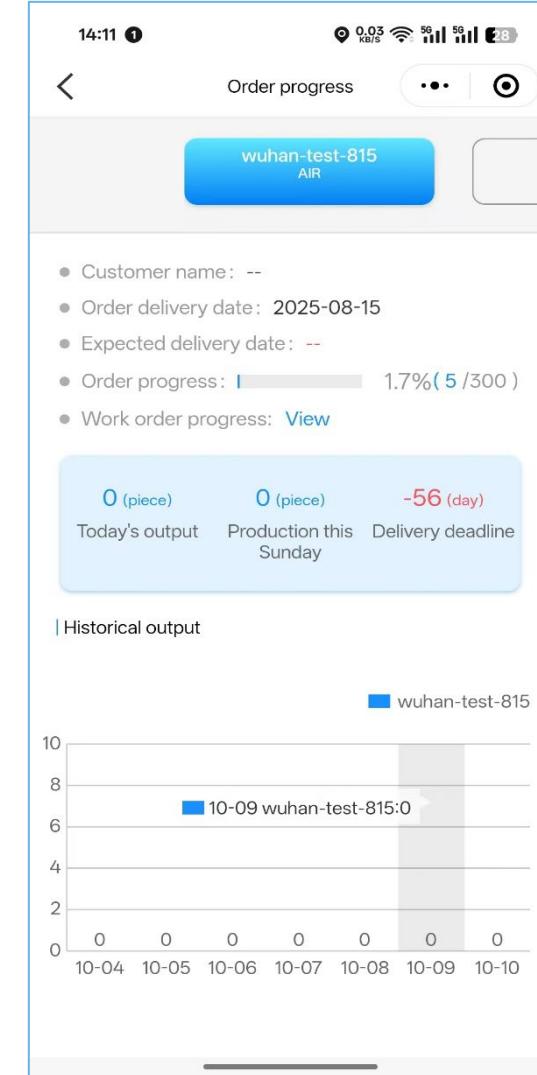
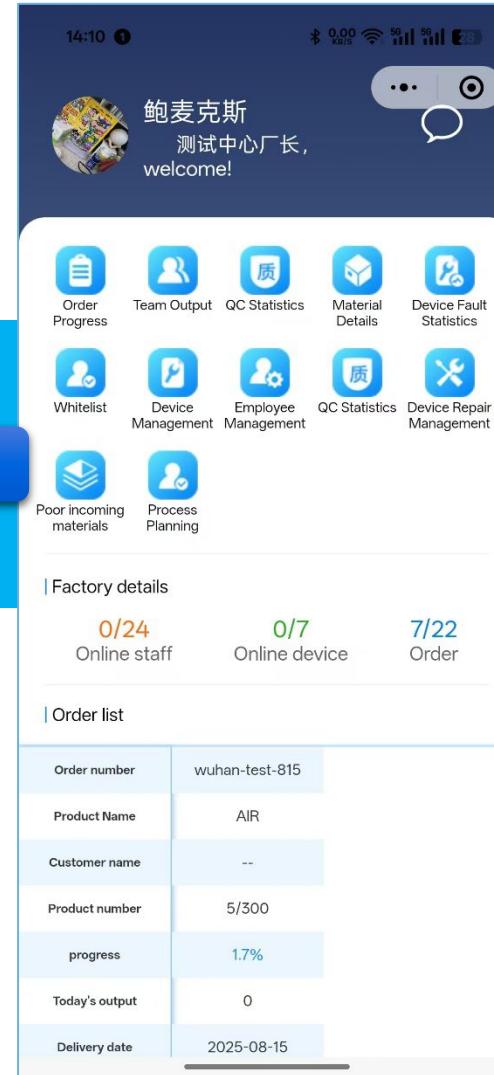
The screenshot shows a user management interface for an IoT system. On the left, a sidebar has a blue button labeled "Mobile App - Message Subscription". The main area is titled "User management" and shows a table of users with columns for Name and Sex. A modal window titled "Message subscription" is open, displaying a hierarchical list of institutions under "Position attribute". The list includes "根机构(鲍麦克斯)" (Root Institution) and "上海鲍麦克斯总部" (Shanghai Powermax Headquarters). The modal has "Cancel" and "Confirm" buttons at the bottom. The background table shows 24 users in total, with 5 per page, and page navigation buttons from 1 to 5.

Position attribute	Operation
Fixed employees	Setting up institutions Click to lock Message subscription
Fixed employees	Setting up institutions Click to lock Message subscription
Fixed employees	Setting up institutions Click to lock Message subscription
Fixed employees	Setting up institutions Click to lock Message subscription
Floating employees	Setting up institutions Click to lock Message subscription

IoT System Function Demo: Mobile App - Administrator Page



Mobile App - Administrator Page





03

IoT System Hardware

IoT System Hardware



	Device Name	Remarks
01	Data Acquisition Unit	
02	Face Recognition Workstation Screen	
03	14T Workstation Screen	
04	RFID Reader	
05	Barcode Scanner	Optional
06	Ticket Printer	Optional



IoT System Hardware - Data Acquisition Unit



- 1
- 2
- 3
- 4
- 5
- 6

- Compatible with electronic control systems of various sewing equipment brands
- Captures equipment start and stop signals
- Monitors equipment runtime, idle time, etc.
- Accurately records the number of stitches performed by the equipment
- Detects action signals such as thread cutting and presser foot lifting
- Supports integration with other digital and analog sensors

IoT System Hardware - Topology Diagram

(Production line workstation topology)



IoT System Hardware - Face Recognition Workstation Screen

(Built-in WiFi/BLE 5.0 and RFID reader, supporting face recognition)



02

1
2
3
4
5
6

- Employee login management
- Work order task management: Manufacturing orders, products, colors and sizes, and process-specific tasks
- Piecework & equipment status reporting
- Task statistics management
- Call management: Requests for mechanics, team leaders, and rework handling for incoming materials
- Rework management: QC alerts for quality control exceptions...

IoT System Hardware - Hardware Topology



Sorting Station Topology



QC Station Topology

IoT System Hardware - 14T Workstation Screen



03



The IoT terminal software operates on our self-developed 14-inch full-touch Android smart display with 1080P high resolution. The hardware includes a camera, BLE 4.0, Wi-Fi, under-display NFC, USB, and RS485. Leveraging our extensive expertise in image recognition, the system supports advanced functions such as facial recognition and limb recognition.

04



The RFID reader is designed to read RFID cards efficiently.

IoT System Hardware - Packaging Management Workstation Screen

(Facilitates cutting piece packaging and binding with RFID tag cards)



 鲍麦克斯 **Sorting System** Order: **wuhan-test-815**   赵月锋 2025-10-11 09:46:07

Statistics 2025-10-11				
Mantissa	Plan	Bind/undone		
0	0	0/0		
0/0	0/0	0		

Color	Size	Parts	Plan Count	Done	
紫色	13		0	0	
紫色	12		0	0	

Sorting Station Management System

Color	Size	Frame No.	Number	Status	Time	
紫色	12	23	6	Qualified	08-15 16:08:35	
紫色	12	26	12	Qualified	08-15 16:08:32	
紫色	13	27	24	Reworking	08-15 16:08:25	
紫色	12	22	24	Qualified	08-15 15:55:30	

 Style: CZ079016100
Name: AIR
Part: 主线

 **Menu**

IoT System Hardware - Group Inspection Management Workstation Screen

(Supports quality inspection, including recording defective processes, defect causes, and operator details)



POWERMAX® 鲍麦克斯 Group Inspection Order: [wuhan-test-815](#)

lilz 2025-10-11 10:07:47

Statistics 2025-10-11

Mantissa	Plan	Bind/ undone	Personal Quality(qualified/unqualified)
Rework (total/done)	Quality (qualified/unqualified)	Scrapped	Personal Scrapped

Defective reasons

Broken thread Chromatic aberration Have thread residue Pleat fault Broken hole

Dissymmetry Wrong size Oiled

Defective process

Style: CZ079016100
Name: AIR

Team: **

Color: *色 Size: *

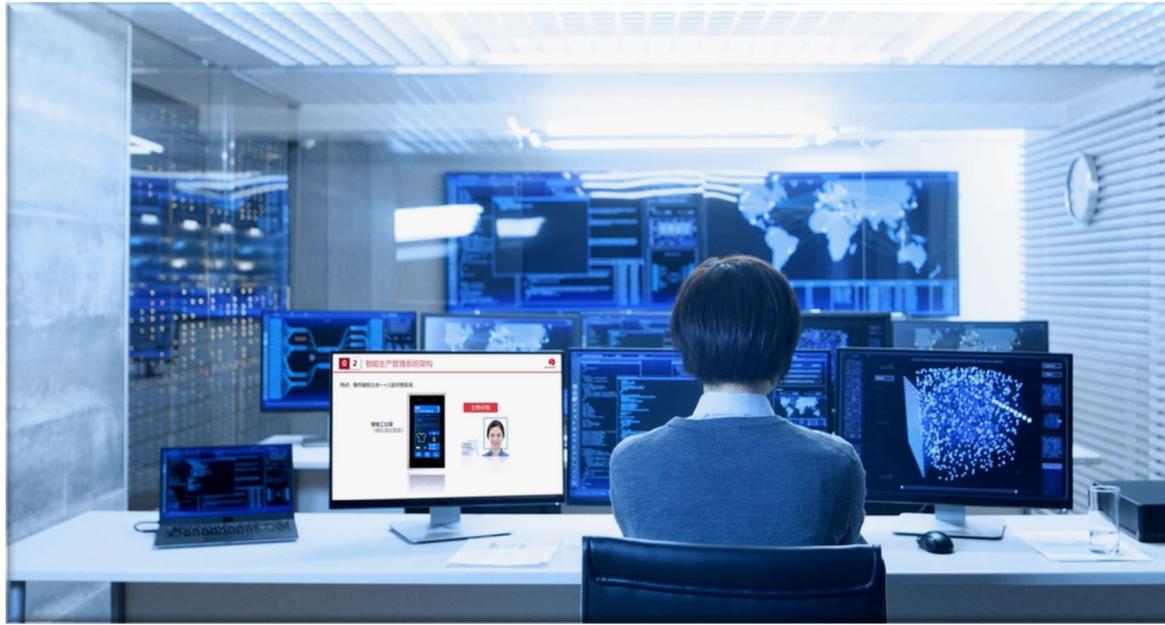
Recorder: Manual



04

Successful Cases

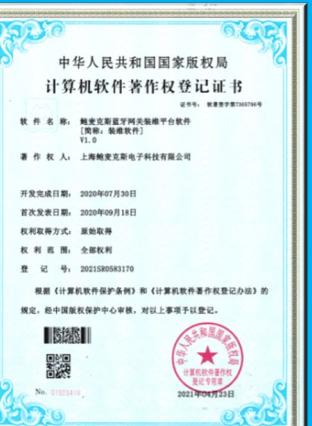
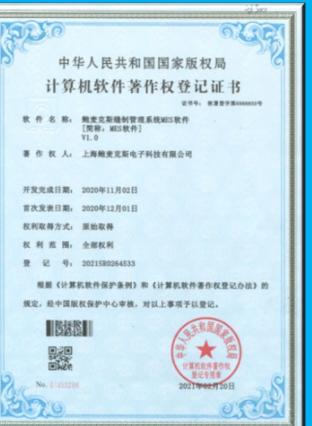
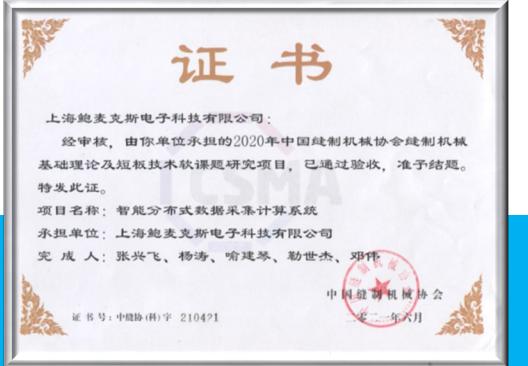
Successful Cases



Successful Cases



IoT System Award Certificates and Patents



专利	一种智能吸附系统及其工作方法 一种自由边框压脚装置 一种工艺流程编排辅助系统 一种机械手的取料抓取结构
软件著作权	鲍麦克斯缝制管理系统MES软件 鲍麦克斯网格式制衣流水线物料调度软件 鲍麦克斯蓝牙网关装维平台软件 鲍麦克斯智能服装管理平台分拣软件V1.0 鲍麦克斯智能服装管理平台质检软件V1.0 鲍麦克斯智能生产管理系统APP软件V1.0
软件产品登记	鲍麦克斯缝纫机蓝牙网络装维软件V1.0 鲍麦克斯缝制自动化管理软件V1.0 鲍麦克斯平缝机步进控制系统主控软件V3.0
中国缝制机械 行业软件课题 证书	智能分布式数据采集计算系统
上海市软件和 集成电路产业 发展专项资金 项目	基于异构平台的智能分布式数据采集计算系 统
项目 名称 申报单位 项目类别 项目名称 项目类别	智能计算 平台 数据采集 与分析 系统 的 设计 与 实 现

Thank You for Watching

