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WE WALK ALONGSIDE THE WORLD

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Designed by Yizumi in June 2021

**YIZUMI**伊之密

# YiMES

**智造执行系统**  
Manufactory Execution System

App下载



PC端体验-网址: <https://iiot.yizumi.com>

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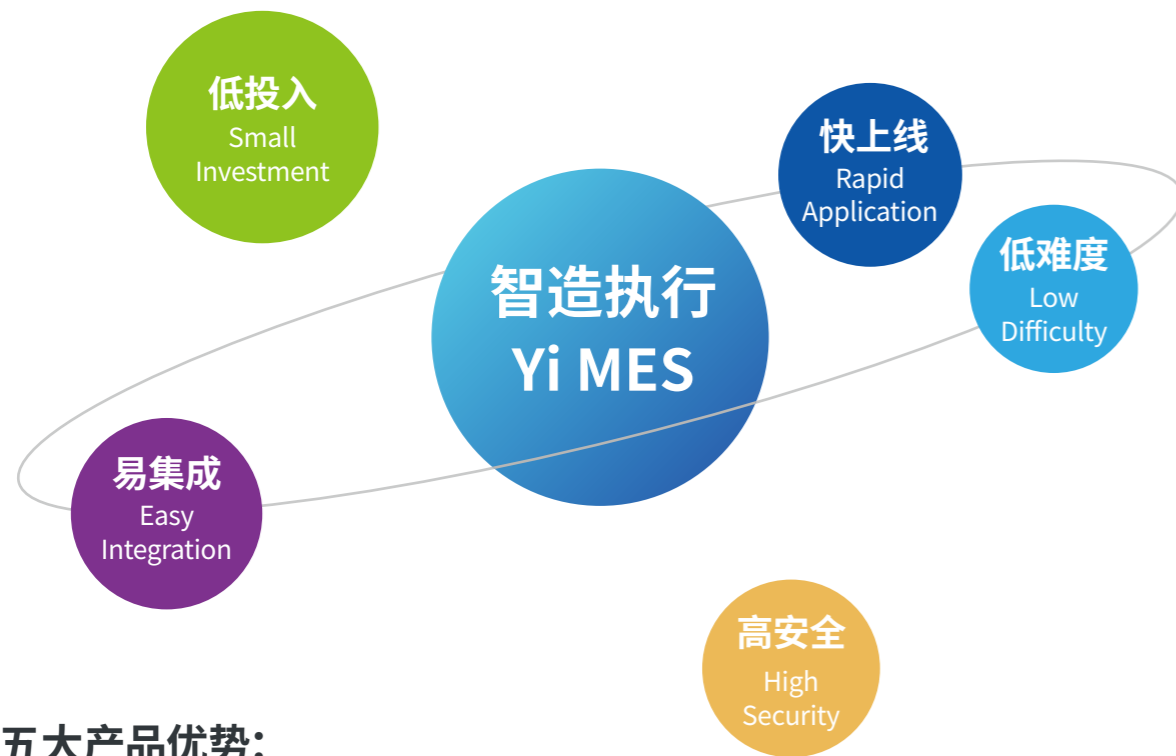


# Yi MES 智造执行系统

## Yi MES Manufactory Execution System

Yi MES ( Yi Manufactory Execution System) 是基于Yi+平台 (伊之密智能装备工业互联网平台) 而开发的智能制造执行系统, 结合物联网、云计算、边缘计算、大数据、AI等新一代ICT技术, 提供最具性价比的专业化金属压铸成型智能制造解决方案。

Yi MES (manufacturing execution system) is an intelligent system developed based on the Yi+ platform (Yizumi Intelligent Equipment Industry Internet Platform). Combining with IOT, Cloud, Edge Computing, Gig Data, AI, and other new generation ICT technologies, it provides the most cost-effective professional metal casting intelligent manufacturing solutions.



### 五大产品优势:

#### Advantages:

- 无需专职IT人员投入, 无需网络建设, 无需机房建设。
- 系统开放标准接口, 与主流ERP系统对接。设备端支持主流品牌设备接入。
- 系统操作便捷, 简单易学, 快速上手。
- The investment for IT professionals, network construction, IT room construction is not needed.
- The system is available for standard interface, and could be connected with most ERP system. It supports mainstream equipment access as well.
- Convenient operation, easy learning, user-friendly.
- 3周快速上线, 让企业快速实现智能数字化生产。
- 金融级芯片数据加密, 网安二级等保认证, 保证客户数据安全。
- It could be put into use in three weeks, helping enterprises realize intelligent digitalization manufacture quickly.
- Data encryption with finance -level chip and certification of Network Security Level Protection 2.0 ensure customer data security.

### 客户价值: 提质、降本、增效

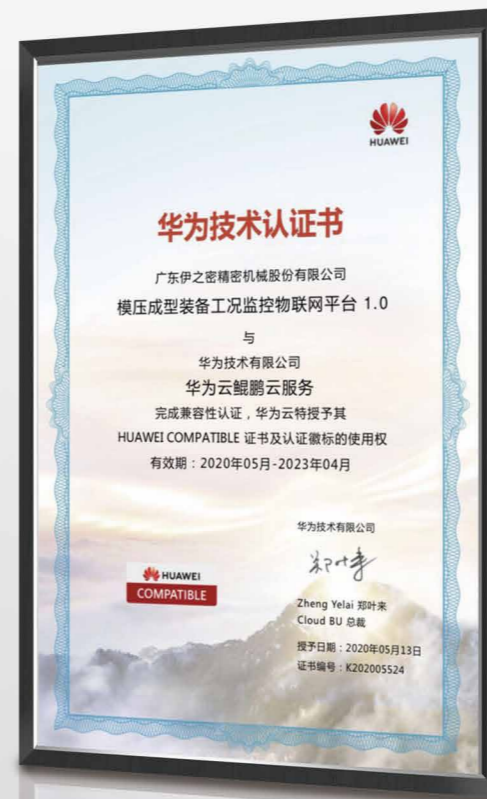
Customer Values: Quality improvement, Cost down, Efficiency increasing



### 主要功能

Main Functions





## 合作客户 Customers



国家版权局登记  
计算机软件著作权19项  
19 National Copyrights  
of Computer Software

国家知识产权  
实用新型专利技术81项  
81 national utility  
model patents

华为HUAWEI  
云鲲鹏云服务认证  
Certification of HUAWEI  
Kunpeng Cloud Service

2017年度  
广东省政府质量奖  
2017 Guangdong Provincial  
Government Quality Award

福布斯2018  
亚洲最佳中小上市企业200强  
Forbes Asia's Best  
Under A Billion 2018

# Yi MES 智造执行系统

## Yi MES Manufactory Execution System

灵活的硬件和云服务的架构, 投资运维成本低, 部署上线快。

Flexible hardware and cloud service infrastructure reduce the operation cost, realize quick application.



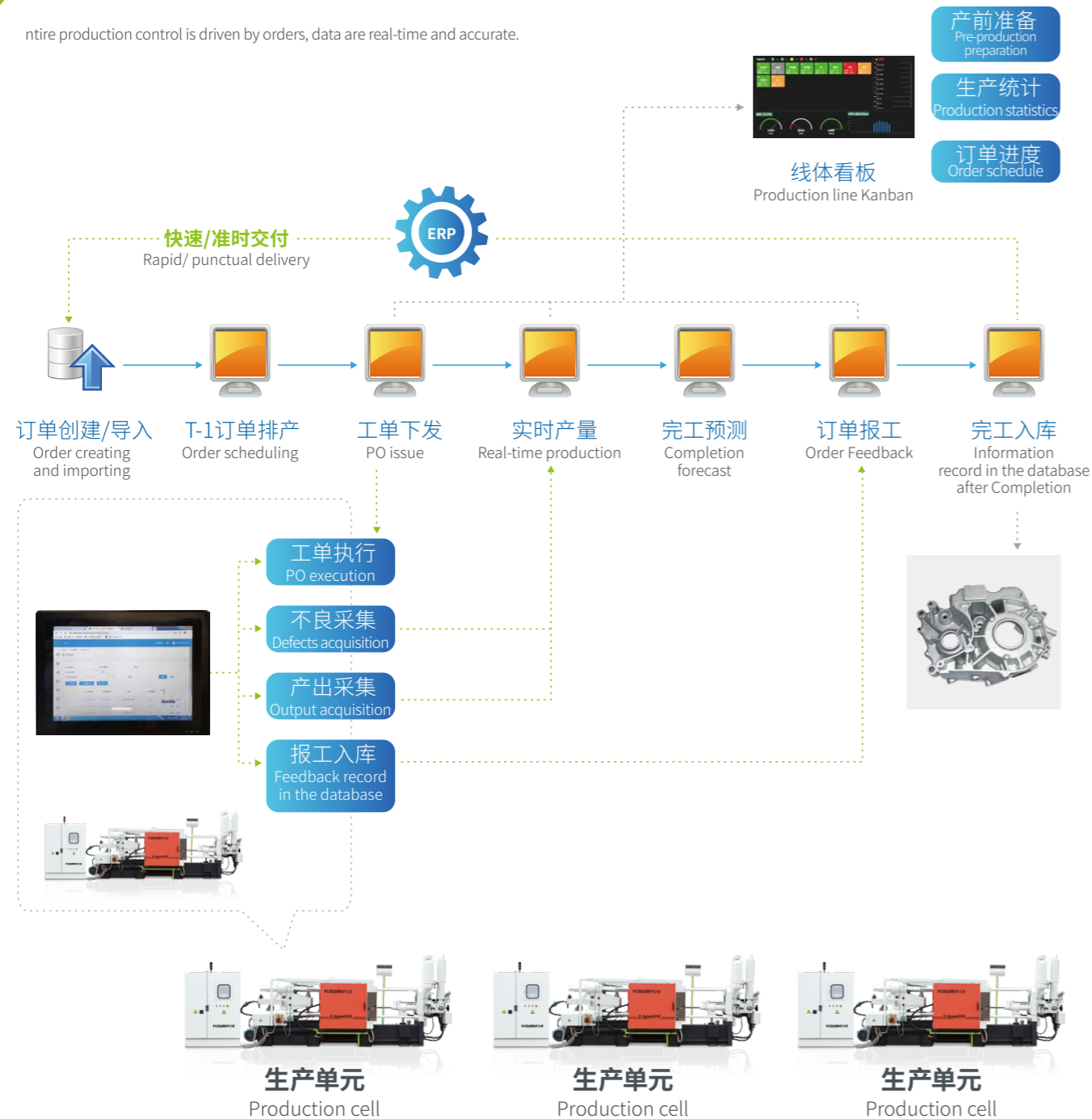


# 订单管理流

## Order Management Process

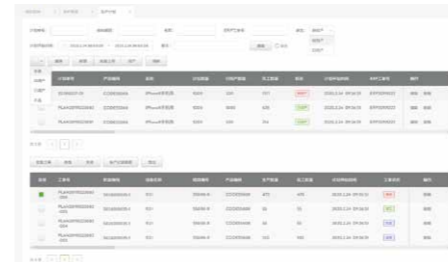
订单驱动的全流程生产管控, 数据实时、准确。

entire production control is driven by orders, data are real-time and accurate.



## 订单排产 Order Scheduling

- 订单创建与导入、订单排产。
- Order creating and importing, order scheduling



## 产出采集 Output Collection

- 查看机台实时生产数据。
- Output Collection: real-time production data of the machine can be shown



## 不良品录入 Defects Collection

- 用户自检录入不良。
- Users self-check and record deflection



## 工单报工 PO Confirmation

- 支持用户按班提报生产数量, 完工数量。
- Support users to report production quantity and finished quantity according to the shifts



## 生产日报 Daily Production Report

- 系统根据生产中产生的数据自动汇总成简单易懂的报表。
- The system could automatically create understandable reports according to the data generated during production



# 质量管理流

## Quality Management Process

产前有标准, 产中有控制, 产后有追溯生产全流程管控, 不良品不产生、不流出。

It enables you to have standards before production, control during production, and full-process product tracing after production to prevent and remove defect products



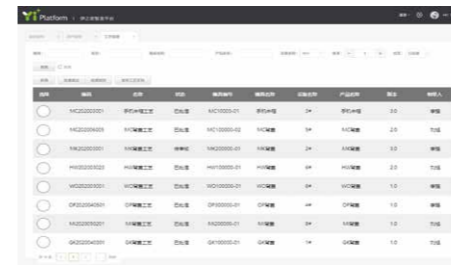
## 检验标准 Test Standard

- 客户可根据自身需求导入产品的检验标准。
- Customers could customize test standards according to their own requirements



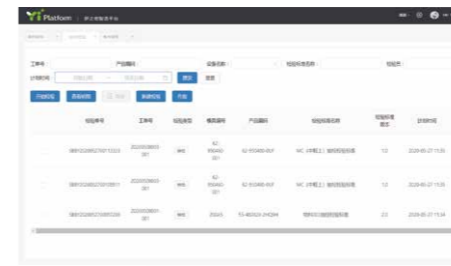
## 调机指引 Adjustment Instruction

- 快速生成工艺指南, 降低对调机员经验的依赖。
- It enables you to create process guide, reducing dependence on experienced operator.



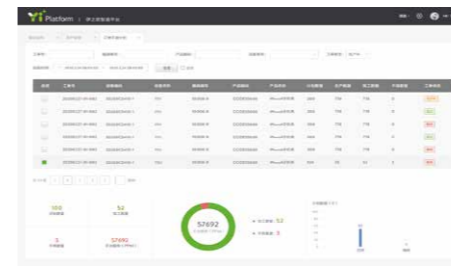
## 过程抽检 IPQC

- 系统自动生成检验任务, 用户进行检验录入、判定并提交检验报告。
- The system automatically generates checking task which users can input checking information, determine and submit inspection report.



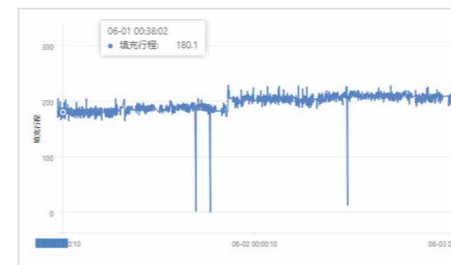
## 不良统计 Defect Statistics

- 系统自动生成不良统计分析报表。
- The system automatically generates the report of defective product analysis.



## 参数监控 Parameter monitoring

- 系统自动记录参数修改情况, 实现追溯预警机制。
- The system automatically records the modification of parameters and realizes the traceability and warning.

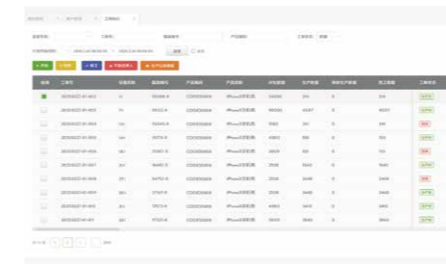
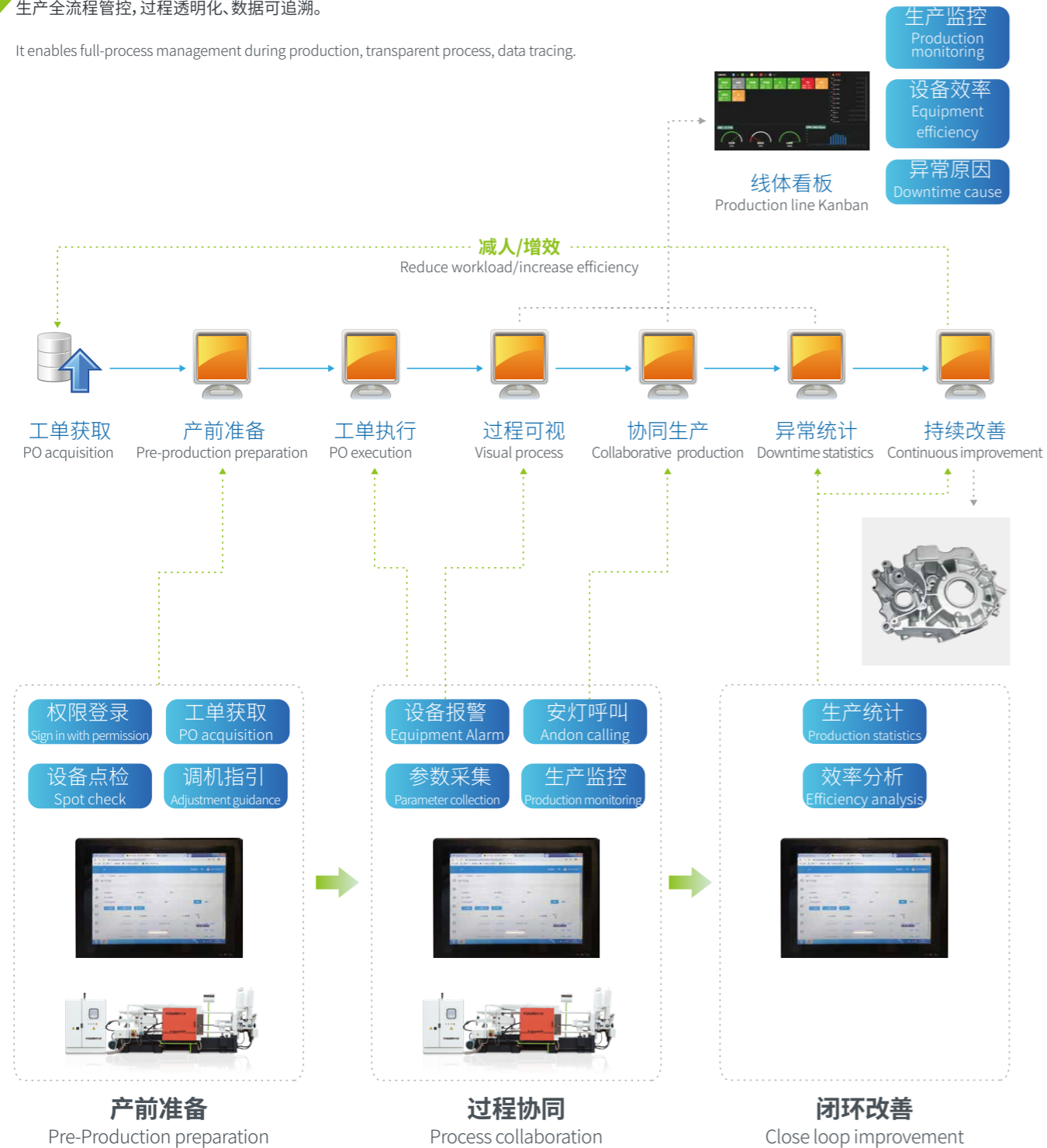


# 生产管理流

## Production Management Process

生产全流程管控, 过程透明化、数据可追溯。

It enables full-process management during production, transparent process, data tracing.



### 工单获取 PO Acquiring

- 通过接口、批量导入等手段获取生产订单相关信息。
- Obtain related information about production orders through interface, batch import and other means.



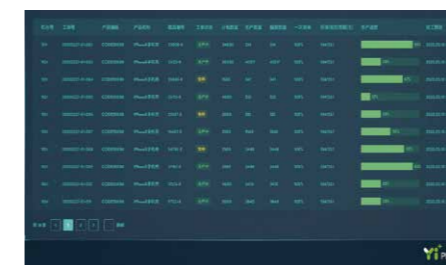
### 车间监控 Workshop Monitoring

- 实时显示车间的机台状态、报警信息、产量和效率等相关信息。
- Real-time display of the workshop machine status, alarm information, output, efficiency and other relevant information.

| 基本参数             | 报警信息            | 工作参数                | 工艺参数                | 生产统计 |
|------------------|-----------------|---------------------|---------------------|------|
| 当前产量: 12342      | 报警次数: 1234      | 当前温度: 60.0°C        | 最佳时间: 2:58          |      |
| 报警次数: 0          | 报警: 0           | 三轴联动实际速度: 6.00 bar  | 设定速度实际速度: 600 bar   |      |
| 轴心位置: 40.00 mm   | 轴心位置: 40.00 mm  | 二轴联动实际速度: 200.00 mm | 三轴联动实际速度: 200.00 mm |      |
| 轴心速度: 90.00 mm   | 轴心速度: 4.00 mm   | 二轴联动实际速度: 5.00 mm   | 三轴联动实际速度: 10.00 mm  |      |
| 轴心加速度: 140.00 mm | 轴心加速度: 1.00 mm  | 二轴联动实际速度: 1.00 mm   | 三轴联动实际速度: 1.00 mm   |      |
| 轴心减速度: 10.00 mm  | 轴心减速度: 10.00 mm | 二轴联动实际速度: 10.00 mm  | 三轴联动实际速度: 10.00 mm  |      |
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### 参数采集 Parameter Collection

- 对设备当前设置参数进行采集并展示。
- Collect and display the current parameters of machines



### 进度监控 Schedule Monitoring

- 展示每台机器当前订单的相关信息及订单完成进度。
- Display the order information and the order completion process of each machine



### 效率分析 Efficiency Analysis

- 机器状态监控、OEE数据、利用率、品质等基本信息汇总与展示。
- Summary and display of machine condition monitoring, OEE data, product quality and other basic information





## 移动终端——车间生产随处可视

Mobile terminal - workshop production can be seen anywhere

