WIJAY SMART FACTORY

Digital empowerment • Intelligent management • Full-process traceability



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01

WIJAY Smart Factory

PART ONE

System introduction · Core modules · Live system screenshots

WIJAY Smart Factory — System Overview

A comprehensive digital management platform built for food manufacturing

🏭 Production Control

Real-time monitoring of all production lines, equipment status, and batch progress. Visual dashboards with live KPI metrics.

📦 Material & Recipe Mgmt

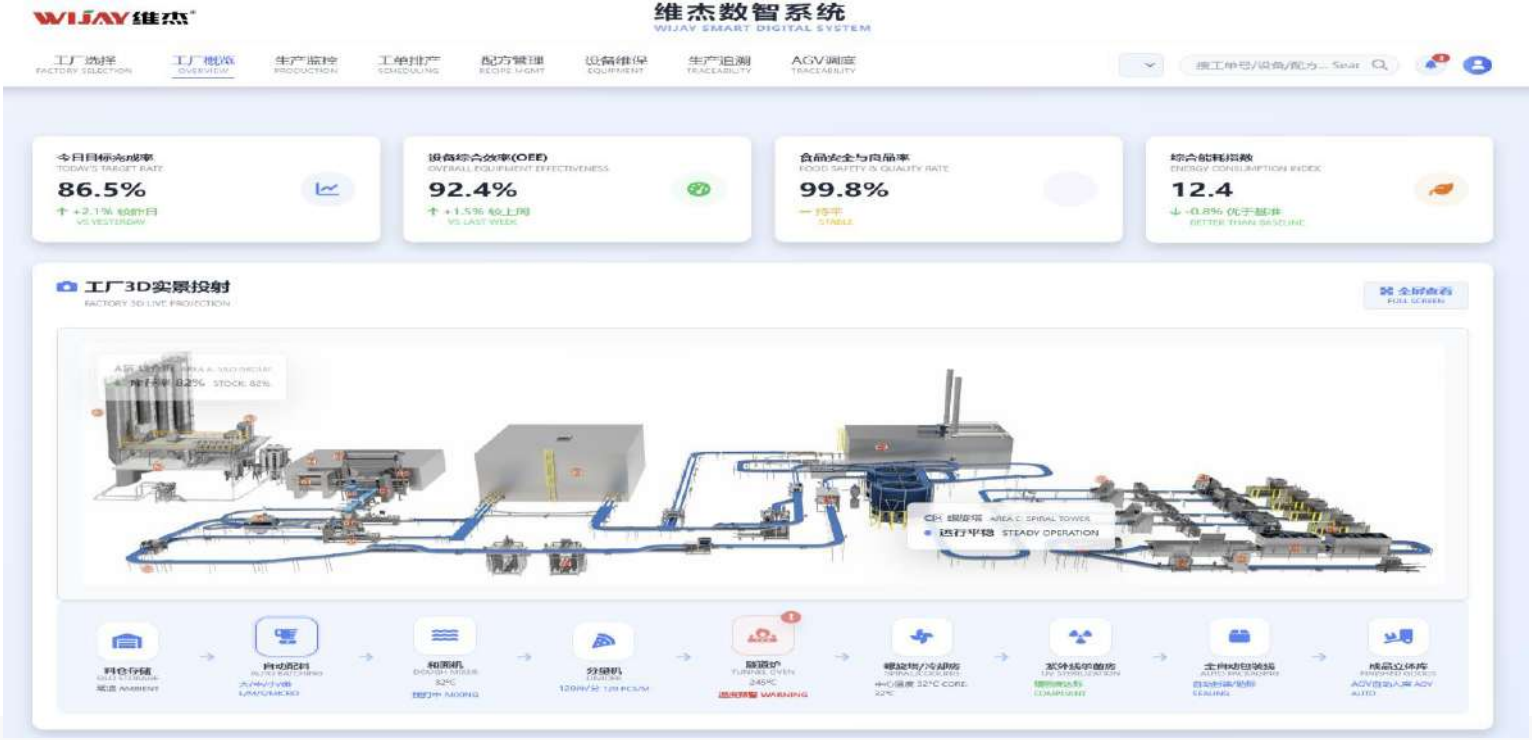
Auto batching with error prevention. Bulk, medium and micro ingredient systems with real-time weight verification and traceability.

📊 Quality & Traceability

Full-process QMS/HACCP compliance, UV sterilization monitoring, product traceability from raw material to finished goods.

Factory Overview Dashboard

Real-time factory-wide KPIs, 3D live projection, production trends and downtime analysis



Production Monitoring Details

Live status for all production stations: dosing, mixing, fermentation, baking, cooling, UV, packaging and warehousing



Material Automation Monitoring System

Automated bulk, medium and micro ingredient control with pipeline pressure, silo levels and real-time equipment parameters



Dough Mixer Monitoring System

Real-time physico-chemical parameters: dough temperature, torque load, water addition and batch material verification



8 Core Functional Modules

End-to-end digital coverage from raw material to finished goods delivery

Factory Overview
Live 3D projection, OEE, food safety & energy KPIs

Production Monitoring
Per-station status, alerts, temperature, motor load

Material Auto-Batching
Bulk/micro silo management, weight verification, error prevention

Dough Mixer Control
Torque/temp curves, water addition, batch traceability

Work Order Scheduling
Order execution, batch tracking, cost aggregation

Equipment Maintenance
OEE tracking, downtime Pareto, preventive maintenance alerts

Quality & HACCP
QMS compliance, UV monitoring, traceability loop

AGV & Warehousing
Automated storage, 3D inventory view, WMS sync

Key Benefits for Your Factory

Proven outcomes from WIJAY Smart Factory deployments in food manufacturing

99.8%

Food Safety & Quality Rate

Zero tolerance for contamination with automated QMS and HACCP compliance monitoring

92.4%

OEE Improvement

Overall equipment effectiveness tracked real-time with Pareto downtime analysis

↓ 30%

Material Waste Reduction

Precision auto-batching eliminates human error in ingredient dosing

MAX

Maximize Automation

Automation will increase and product tracking will be easier

02

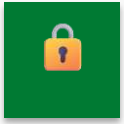
Data security

PART TWO

Data Protection and Service Commitment

Data security guarantee

Your data is always in your hands



Localized deployment

The system is deployed on the customer's own servers, with data not leaving the factory area, no need to rely on the cloud, and fully autonomous and controllable.



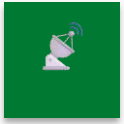
Data backup

The system has a built-in scheduled automatic backup policy, supporting dual backups in local + off-site to prevent accidental data loss.



Permission control

A multi-level role permission system with full-process operation logs to prevent internal unauthorized access and data leaks.



Network isolation

Supports independent internal network operation; external access can be accessed via VPN channels, ensuring security without relying on public network connections.

03

Frequently Asked Questions
& Communication

PART THREE

FAQ · Q&A · Feel free to ask questions

FAQ

Q: Does the system require an internet connection to use??

No need. The system is deployed on the client's local server, supports independent internal network operation, does not rely on external networks, and functions normally even after disconnection

How many users can the system support at the same time?

The standard configuration supports up to 10 concurrent users. If you need more concurrency, please let us know. Higher-spec servers can be configured as needed.

Q: Is it necessary to shut down the line during implementation?

No need to stop the line. Basic data import and configuration are carried out during normal production line operation, while live-in switchover can be scheduled during shutdowns.

Q: Will the data be uploaded to the Wijay server?

No. All data is stored on the customer's own servers; Wijay does not hold, access, or store any customer production data.

Q: Can it be integrated with existing ERP/MES systems?

Advanced and above versions support standard interface configuration; The VIP version offers API development services and can deeply integrate any third-party system.

Q: Will data be lost after system upgrade?

No. Before the upgrade, the system automatically backs up, preserving historical data completely, and rigorously testing during the upgrade process to ensure data continuity.