



A Symbol of Sincerity, Professionalism,
Accountability and Shared Prosperity.

Plastic Equipment System / Robot System / Metal System / Food and Medical System /
Inspection System / Intelligent Equipment System / Energy Device System / After Service



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INTELLIGENT EQUIPMENT



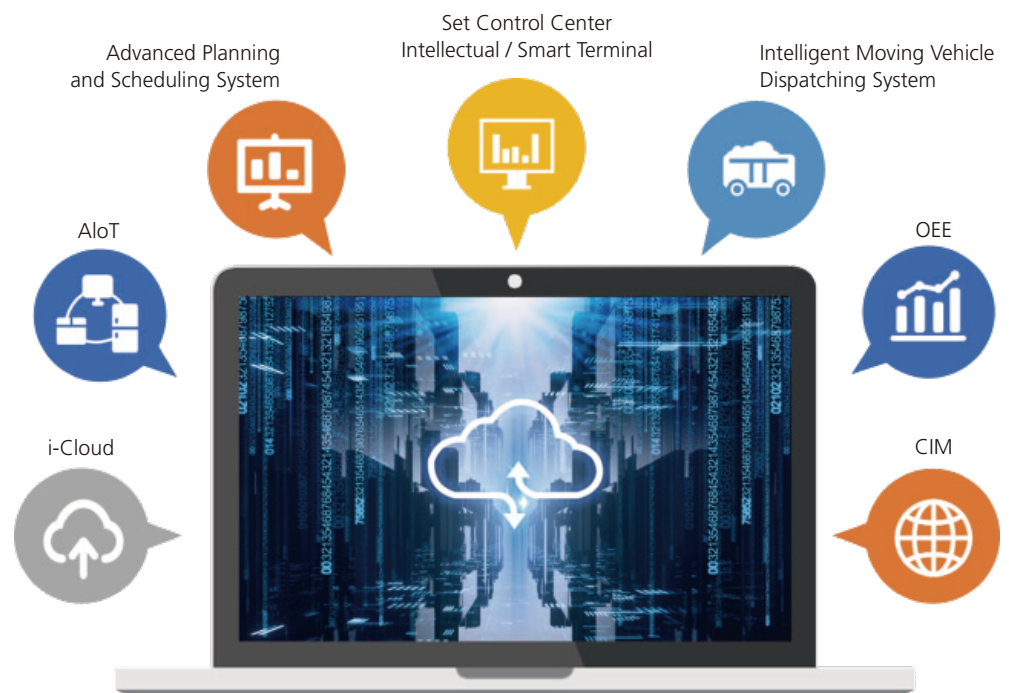
i-Stock II Pro / II Pro OE Specifications

- Dimension : L 4,750 ~ 12,280mm × W 2,400mm × H 2,800mm
- Part Spec. : 7" / 8mm
- Capacity : 7,000 ~ 61,700 Disk / Pce
- Access Time : 4 ~ 18 Sec / Pce



Software Function

i-Cloud





Peripheral Equipment Series



X-RAY Counting Machine

- Processing time : 14 Sec/Pce (7" / 8mm)
- Part Spec. : 7" ~ 15"
- Dimension : L 3,060mm x W 1,360mm x H 1,900mm



LCR Measurement Counting Labeling Machine

- Processing time: 60 Sec/ Pce (CR Measurement / Count / Material Distribution / Update Label)
- Part Spec : 7" / 8mm
- Dimension : L 1,200mm x W 680mm x H 1,600mm



Automatic Feeding Registration Labeling Transplanting Machine

- Processing time : 8 ~ 14 Sec/Pce
- Part Spec : 7" / 8mm ~ 13" / 24mm
- Dimension : L 2,050mm x W 880mm x H 1720mm



Intelligent Shelf

- Capacity :
 1. Material Tray : 1,400 Pce/ Set
 2. Vacuum Packaging / Tray Packaging / Tube Packaging Customizable to Your Needs
- Dimension : L 2,130 mm x W 400mm x H 1,860mm



Laser AGV

- Speed : 3~60 m/min
- Navigation Accuracy : ± 10 mm
- Guidance method : Magnetic Stripe / Laser / QR code

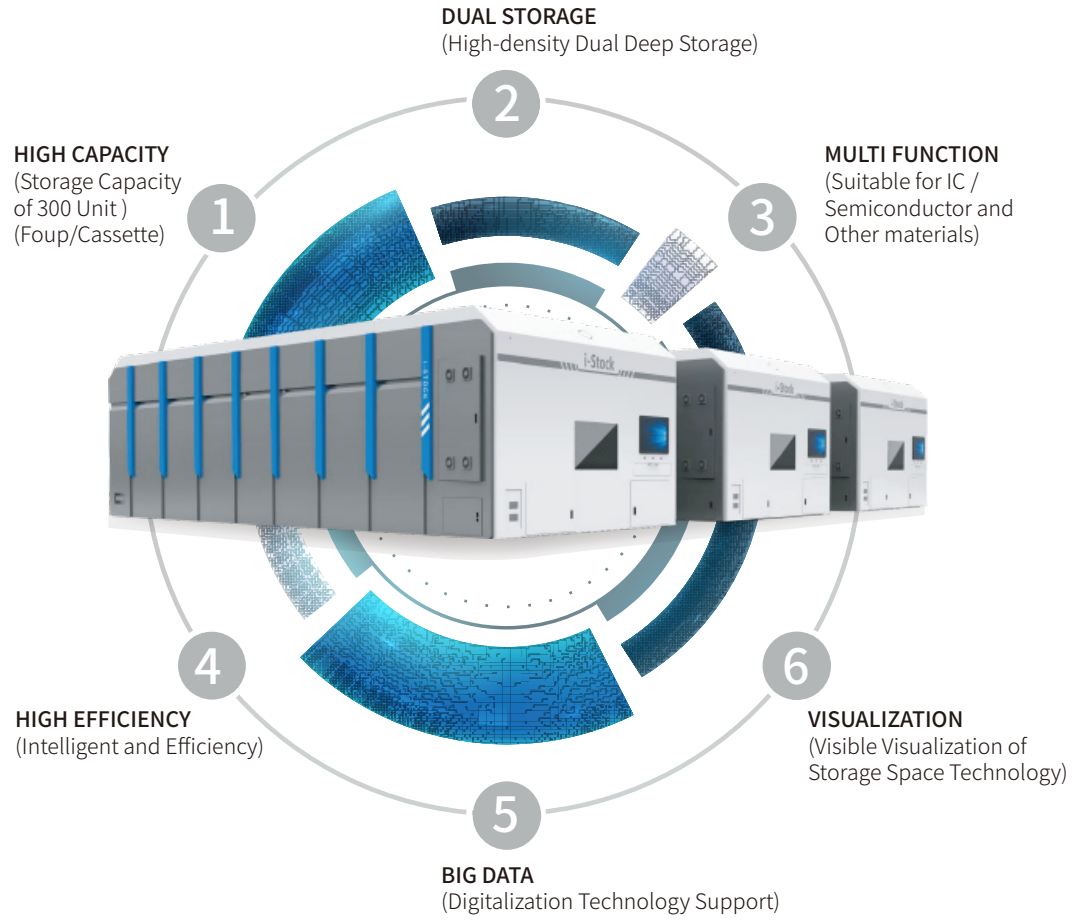


Handling Robot

- Pickup and Delivery Time : 8s
- Mechanical Rotational Diameter : 1,600mm
- Dimension : L 1,600 x W 1,000 mm x H 4,220 mm



Semiconductor i-Stock Equipment

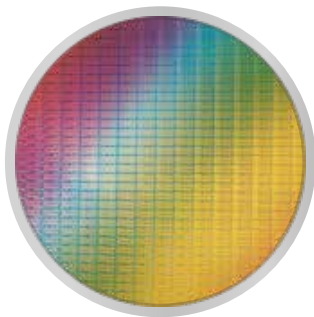


Smart Factory Blueprint

Intelligent Architecture System	Industry 4.0 Platform	Intelligent Manufacturing Platform	Big Data Management Center	Intelligent Management Software	
	IoT, Cloud, Big Data	Intelli-control Precise Execution	5G IoT Cloud Algorithms		
Intelligent Manufacturing Center	MES	WMS	Intelligent Logistics	i-WMS	
	Data stream	Material Control	Production		i-Cloud
	Information Stream	Smart Production	Production Planing		
Production Control		Intelligent Analytics			
Intelligent Management Platform	Data Integration	Information Collaberation	Analysis Decision	Smart Report	OEE
Intelligent Provisioning Center					APS
					CIM



Semiconductor Materials



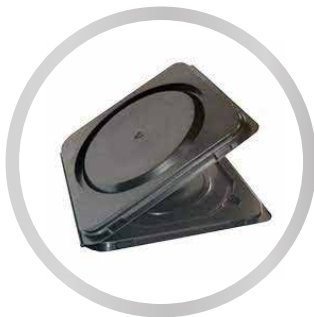
Wafer



Mask



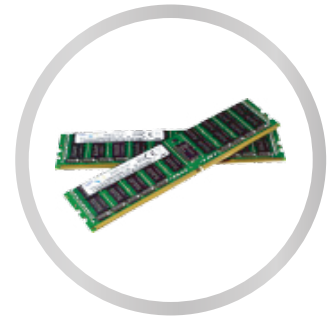
Cassette



Wafer Metal Frame Shipper



FOUP



Memory

Software Advantages

i-WMS	Big Data Management	Intelli-Sensing	Intelligence Algorithm	Precision Delivery	Predictive Analytics	Cost Saving and Efficiency
iCloud	Digital Cooperation	Autonomous decision-making	Real-time Analysis	Situation Awareness	Precision Execution	
AIoT	★Dynamic Interconnection ★Data Aggregation ★Precision Intergration ★Information Visibility					
CIM	★Big Data Collection ★Predictive Analysis ★DSS ★IoT					
APS	Dynamic Scheduling			Intelligent Analysis		
	Delivery Scheduling	Intelligent Insertion Scheduling	Intelligent Scheduling Alerts	Production Report		
	Muti-scenario Simulation	Simulation Parameter Setup	Machine Parameter Monitoring	KPI Tracking Scheduling		
	Product Routing Algorithm	Machine Scheduling	Shortage Analysis Scheduling	Statistical Process Analysis		

JarviX

World-leading Intelligent Enterprise Decision-making Platform

Natural Language Conversations/Real-time Q&A Analysis/Driving Digital Transformation



USER FRIENDLY

- Natural Language Search
- Interactive Analysis Charts
- Multi-layer Drill Down Analysis



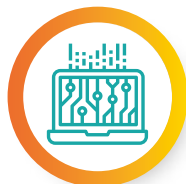
AI ALGORITHM

- Trend Prediction / Anomaly Detection
- Root Cause Analysis / Correlation Analysis
- Differences Analysis / Anomaly Insight



AI MANAGEMENT

- Automated Data Identification
- Automated Data Insights
- Data Processing and Cleaning



GRAPHICAL PROGRAMMING INTERFACE

- Intuitive User-friendly Operation
- Allow OP Personnel to Perform Analysis Independently
- Rapid Application of Analysis Results



Intelligent Factory - Supply Chain Solutions

**PRODUCTION
MANAGEMENT**
20%



**MANAGEMENT
EFFICIENCY**

Connect with ERP/MES data for full integration.

TRADITIONAL APPROACH

Data management for each equipment without effective integration.

**OPERATING
DECISION**
10Times



**DECISION-MAKING
EFFICIENCY**

Real-time and visualized decision-making with in-depth insights.

TRADITIONAL APPROACH

Lack of on-site information by decision-making units.

**INVENTORY
CONTROL**
30%



INVENTORY COST

AI module analyzes optimal economies of scale

TRADITIONAL APPROACH

Complicated work flow with no specified standards.

**QUALITY
MONITORING**
10%



**IMPROVEMENT
QUALITY YIELD**

Identify key parameters for continuous process optimization

TRADITIONAL APPROACH

Adjustment based on the human experience parameter cannot be traced.

**PREDICTIVE
MAINTENANCE**
25%



DOWNTIME RISK

Real-time monitoring and anomaly warning

TRADITIONAL APPROACH

Routine maintenance only and fail to handle temporary situations.

Note : The above values are based on actual performance data from our clients. The final results may vary depending on individual cases.

ULTRA-HIGH-SPEED REAL TIME ANALYSIS JarviX - The distributed architecture performance is 10 ~50 times faster than traditional DB.

Architecture	JarviX	Index DB	Traditional DB
General Question	Average 1.5s	Average 15.49s	Average 60.98s
Prediction Analysis Algorithm	Average 0.99s	Average 10.09s	Average 41.45s
Root Cause Analysis Algorithm	Average 2.61s	Average 25.41s	Average 97.58s
2D Relation Alogorithm	Average 1.19s	Average 10.87s	Average 43.22s

Note : 1. The amount of data analysis is 10 million, 100 field, 10 GB and 200 times sampling.
2. The above informations are based on the data of actual performance from our client. The final results may different from each cases.