iSense

"We accelerate your adoption of digital transformation in an Industry 4.0 age"

IR 4.0 SOLUTION

MES

MANUFACTURING EXECUTION SYSTEM

Our data-driven technology helps you make better decision thus allowing you to operate your factory more efficiently which then leads to increased productivity.

LEADER PROVIDER

Provides a user friendly solutions that speeds up your production process. You will receive expert's advices and suggestions on how to automate your factory.

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TRACK AND TRACE THE ENTIRE MANUFACTURING PROCESS AT A GLANCE

IR 4.0 Ready, operator friendly, provides information to improve production yield.

MES - Manufacturing Execution System

An information system that connects, monitors and controls complex manufacturing systems and data flows on the factory floor.

INDUSTRY REVOLUTION 4.0 READY

End-to-end traceability. Data visualization for quick decision making.

INCREASE PRODUCTIVITY

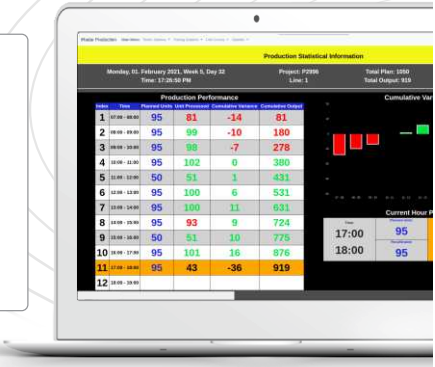
Auto generate reports. Real time data collection, tracking, and analysis.

LOCAL SUPPORT

Local team for onsite support. Fully customizable to suit user requirements.

OPERATOR FRIENDLY

Prevent process skip. Incorporate paperless workflow activities.



Product Benefits

Equipment Connectivity & Data Acquisition

- *Establishment of equipment connectivity for the acquisition of machine data, quality data & production data via network Installation & local MES server equipment setup.*

MES Module On-demand Customization

- *We support all kind of on-demand customization, inclusive of equipment module, data management, traceability, performance analysis, as well as visualization and reporting.*

Commissioning, Training & Support

- *Full support for on-site training with commissioning & acceptance test. Our solutions also come with yearly maintenance and software*

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We're passionate to make manufacturing more efficient, sustainable and profitable

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SMART SENSING FOR A BETTER TOMORROW

MANUFACTURING EXECUTION SYSTEM

Real-time monitoring of all production-related data. Instantly track products in term of item-wise, batch-wise, or line-by-line needs with almost no effort at all through iRadar MES solution

HOW IT WORKS?

DATABASE SERVER

Connecting all production lines to facilitate the propensity in decision-making

KPI DASHBOARD

Instantly monitor manufacturing KPI and progress via dedicated production line dashboard

QC STATION

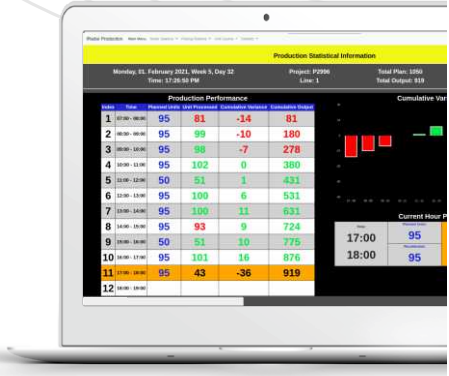
Prevent process skipped due to human error and preserve the quality of the production output

CENTRALIZED DIGITAL LOGBOOK

Mitigate end-to-end data-entry processes with real-time updates in every production process

Centralized Setup

It unlocks articulate visibility from planning to production and extracts digitised data from the manufacturing process that were inaccessible by your prior systems



Stay Updated

MES comes with enterprise-oriented features that allows production process to be in control through digital transparency and set target in your production line

Monitor Anytime Anywhere

Available in both desktop and mobile app versions that allows you to have full access for monitoring and tracking in 24 hours real time data

Data Analysis & Review

Capable of producing hourly reports for management team to review production yield, test results, and other progress.

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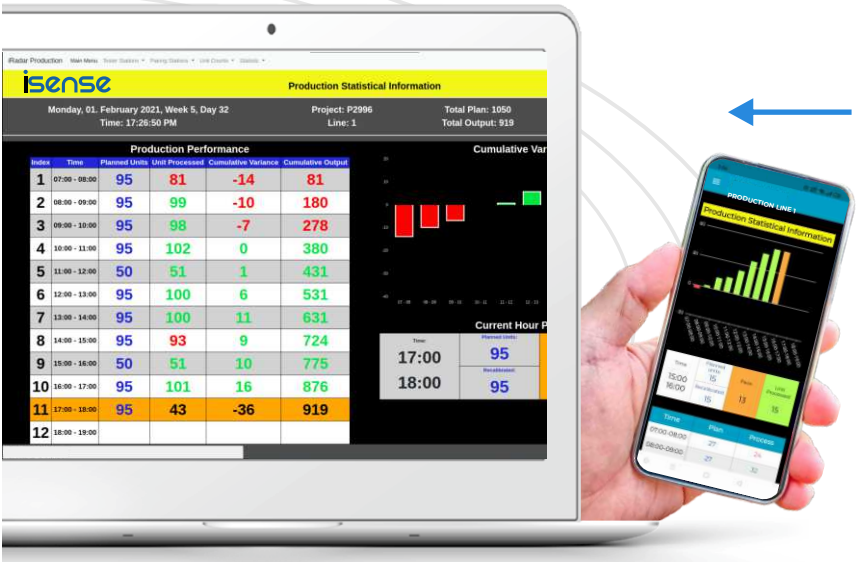
MES PROCESS OVERVIEW

Collect and visualize real time data from machines and sensors with graphical dashboard.
Connect and linking up machine and devices of different brands or different platform easily



MES DASHBOARD

4 Real-Time Display & ERP Integration

Results and analysis are shown in dashboard real-time. Capable of linking the entire system into ERP for project management, accounting, customer order etc.

3 MES Data Monitoring

Tracks and gathers accurate, realtime data about the complete production lifecycle from order release to finished goods

2 MES Data Server Management

All machine data and production data for each process line are sent to a MES data server in real-time

1 Data Digitizer

Production Data, Machine Data are extracted from each machine. MES connects, monitors and controls manufacturing systems and data flows on the factory floor

Machine # 1 | **Machine # 2** | **Machine # 3** | **Machine # n**

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MANUFACTURING EXECUTION SYSTEM

Achieve the goals by tracking and gathering accurate, real-time data about the complete production lifecycle, beginning with order release until the product delivery stage for finished goods.

SUITABLE FOR ALL TYPES OF PRODUCTION LINES

KEY FEATURES	S1100 MES LITE	S1200 MES BASIC	S1300 MES PRO
Cloud Server	✓	Choose Any One (1)	
On-Site Server	✗		
99.9% Up Time	✓	✓	✓
Data Collector/Input Station	Single Station	Up to 20 Stations	Unlimited
Process Control Feature	✗	✓	✓
Single Rework from Station	✗	✓	✓
Real-Time Production Dashboard	✓	✓	✓
Production Statistical Information	✓	✓	✓
Mobile App Dashboard	✓	✓	✓
Yield Counting	✓	✓	✓
Pace Monitoring	✓	✓	✓
Detailed Analytic	✗	✓	✓
Customization	✗	✗	✓
ERP Integration	✗	✗	✓

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