TME® MES
Traceability Made Easy®

Configurable Process Flows

Electronic Traveler

Statistical Process Control (SPC/SQC)

Preventative Maintenance

Resource Allocation

Equipment Utilization

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How We Solve Your Organization's Greatest Challenges

Visibility

TME® enables you to view and consolidate complex data in-real time while also simultaneously coordinating manufacturing processes, equipment, and personnel.
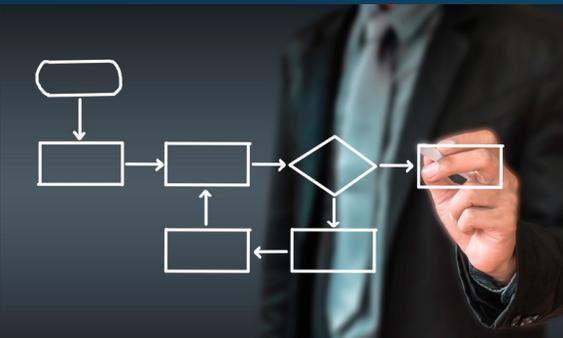
Process Control

TME® has industry-leading process control capabilities. Implement your process in real-time without coding or hiring an integrator. Fast Integration. No Scripting. All configurable.

Compliance

TME® allows your organization to improve performance and reduce operational cost while simultaneously ensuring process quality and effective regulatory compliance.

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Traceability Made Easy®

Easy Set-up. Fast Integration. One Platform.

Comprehensive Suite

TME® is an innovative all-in-one software solution that delivers a single source of truth to manage, track, and communicate enterprise activities that provide a clear view into critical business processes.

Inventory & Asset Tracking

Preventative Maintenance

Maintenance & Inspection Scheduling

TME®

Asset Performance Management

Data Analytics

Work Order Management

Rapid Deployment

TME® can be easily installed at half the cost and time of competitive offerings.

Simplified Integration

Integrate TME® with your existing business systems to improve equipment utilization and streamline processes for greater ROI from your operation.

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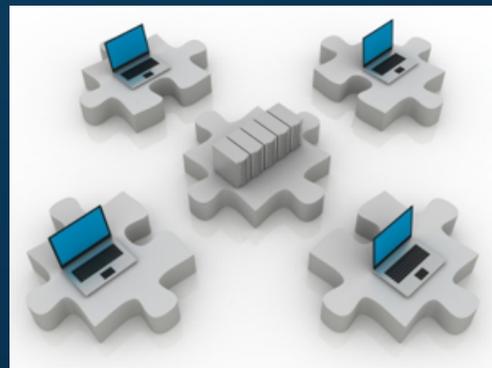
Full Traceability & Genealogy on a 100% Cloud Based Solution

Data Collection

Receive accurate data and reporting in real-time to ensure optimized item utilization and make better informed business decisions.
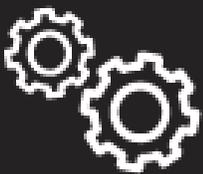
Flexibility

Define custom fields and create customized dashboards to track and measure any variables and attributes unique to your business.

Cloud-based

Eliminate costly data storage, hardware and operating system requirements with an integrated 100% web-based solution.

Mobility

Track item location and status with barcode and RFID technology. No manual input is necessary, reducing errors and saving time.

User-friendly

Utilize a simple, intuitive system designed for the non-technical person. It is easy-to-use, implement and maintain.

TME® MES

Manufacturing Execution Systems Simplified
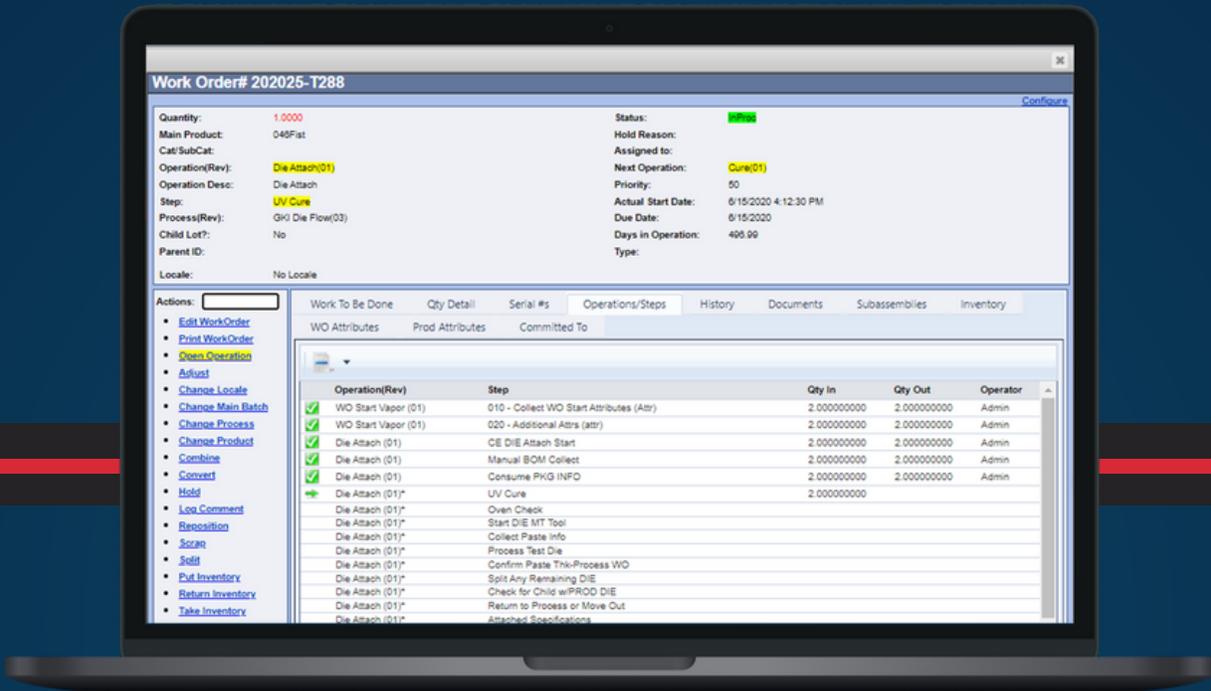
Summary

TME® MES is the key to complete operation control and visibility.

The solution is a powerful software system that consolidates complex data and simultaneously coordinates all manufacturing processes, operations, assembly, equipment, inventory, and personnel from a single, cost-effective platform.

Benefits

- Full genealogy, visibility, and workflow tracking
- Increase equipment lifecycle, utilization, RAM, and OEE
- Improve quality control and detect defects & errors before they occur
- Reduce waste, scrap, and rework to increase cost-savings
- Proactive decision making driven by data

Implementation

TME® is used to collect all manufacturing related data. Build databases for collecting process data, have full visibility over all your collected data in real-time, and generate configurable dashboards and reports for quicker, more informed decision-making.

Collect and segment data based on:

- Traceability/Genealogy
- Equipment Performance
- Quality and Assurance
- Production Personnel
- Compliance Standards

- Lot Attributes
- Parts and Material
- Assemblies
- Work in Process
- Certifications

Go Paperless with an Electronic Traveler

The integration from paper travelers to digital can drastically improve the systems and processes of an organization. The TME® MES e-traveler follows the lot through each stage of production, logs date/time stamp and operator ID each step of the way and automates sequences to initiate the next stage. It can also be configured to require each operator to verify their work for every critical operation for an additional level of accountability. This process will provide you with detailed information about your production process, increasing accuracy and quality output.

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Reporting

TME®'s purchase orders module allows you to automatically create requisition and purchase order forms to order supplies, spare parts, and contractor services quickly and accurately.

Personnel can digitally request new purchase orders, modify purchase quantities, and select approved suppliers. Purchase orders can be printed or emailed ensuring that you have the supplies or services you need on time.
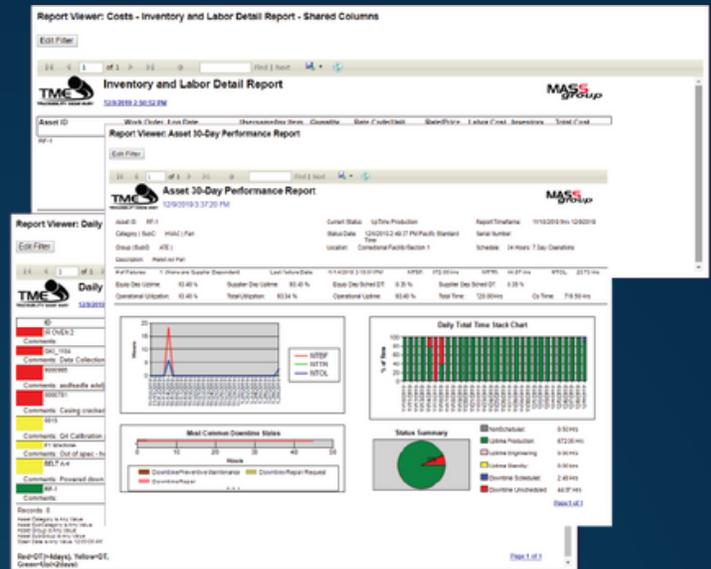
WIP Work Orders

- Manage WIP (Work in Progress) with an electronic traveler
- Obtain clear visibility on WIP data, status, and material genealogy
- Track work orders in real-time
- 60+ MES specific reports that are out of the box and fully customizable
- Set up alerts/notifications
- Production Tracking
- Production Planning

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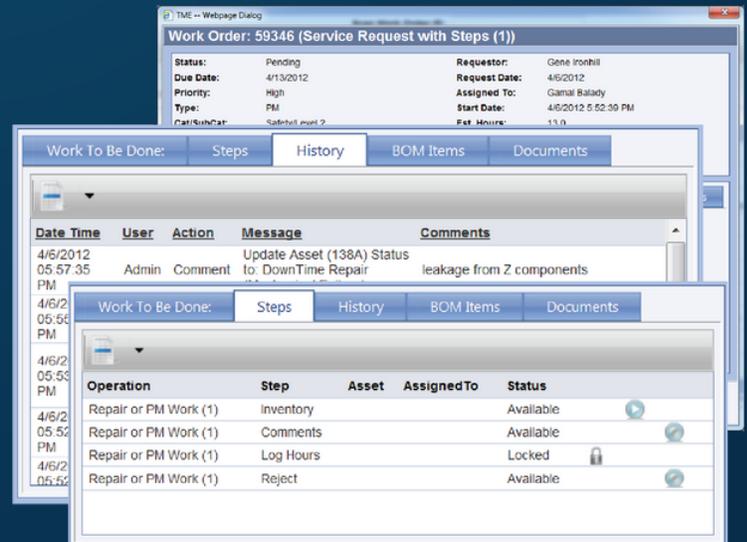
Implementation

When rolling out a new system, MASS Group utilizes detailed processes to define the requirements and potential challenges of the project. We will use a well-defined and documented phased approach that will ensure clarity in purpose, and successful execution in completing the required tasks needed to ensure success.

Utilize an efficient Agile methodology to ensure your team is highly engaged during the implementation process. Our unique tactic provides superior value with a hands-on approach to guide clients to self-sufficiency quickly and thoroughly without excessive cost and time.

Fast, Easy, and Effective

- Comprehensive training methodology
- Quality process flow control
- Simple flows to start and progressively add more complexity until completion

- Ready to install out-of-the-box
- Built-in configuration tools
- No programming
- No scripting

Improvements
Motivating factors - save money, accurate data collection, healthy stock levels, improved equipment performance

Impact Analysis
Sustained high performance - personnel, equipment, processes, bottom line, ROI

Verification
Reporting and scrutinization, what's going well and what needs improvement; data substantiation

Planning
Dedicated champion(s) and local facilitators, data import, technology stack, objectives, personnel buy-in

Execution
System configuration, operation and process flow set up/testing, key personnel training, pilot(s)

Change Management
Strong personal commitment effective leadership and motivation throughout the process

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TME® Software Solution
for Peak Performance

From real-time item and asset location tracking to other solutions like computerized maintenance management, TME delivers an all-encompassing 100% cloud-based software solution solutions to manage, track, and communicate all the activities of an operation.

Range of Services & Solutions

Preventive Maintenance (PM) and Calibration Scheduling & Tracking
- Manage Supply Levels, Consumption, and Reorder Parts Lists
- Track Supply Costs associated with Equipment
- Barcode, Scan and Track Inventory (Label, DPM, RFID)
- Check-In / Check-Out of Inventory and Assets
- Asset Reliability, Availability, Maintenance (RAM)
- Warehouse Management/Cycle Counting
- Cross-reference Inventory Parts to Assets
- Purchase Orders and Requisitions
- Asset Performance Management (APM)
- Work Order Management
- Statistical Process Control (SPC)
- Overall Equipment Effectiveness (OEE)
- Return Material Authorization (RMA)
- Spare Parts Inventory
- Complete Product Genealogy & Traceability
- Serialization, Lot IDs, Batch Numbers
- Workflow Management
- Database of Suppliers
- Bill of Materials (BOM)
- Scrap and Disposal Management
- Shipping/Bill of Lading
- Receiving and Putaway
- KPI & Dynamic Reporting

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MASS Group, Inc.

Corporate Capabilities

MASS Group, Inc., designs and develops commercial off-the-shelf (COTS) Enterprise Asset Management (EAM) software to manage and collect data on inventory, assets, equipment, production, and processes. We figure and adapt our application for each unique customer requirements ranging from managing airport assets and health to tracking inventory of PPE and medical equipment. With a proven 25-year history, MASS Group delivers solutions on-budget, on-spec, and on-time.

The core of MASS Group technology is Traceability Made Easy® (TME®) software suite, a robust set of configurable data collection, data processing and data reporting programs. TME® leverages technologies such as RFID, barcode, and bluetooth for data collection and process execution. MASS Group software is cost-effective, easy to implement, and simple to use without any coding or scripting. Our software is installed on-site or as Cloud solution. MASS Group, Inc. provides full implementation, training and commissioning with time efficient methodology enabling our client to realize project returns on investment (ROI).

- Increasing efficiencies
- Decreasing costs
- Reducing labor
- Complying with government mandates
- Providing robust reporting capabilities
- Reducing and controlling inventory levels
- Increasing utilization of assets
- Accessing real-time data
- Compiling genealogy & traceability data
- Integrating with existing system

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