MES Xpress

Built on Dassault Systémes DELMIA® Applications

Fast-track Your Factory's Digital Transformation Journey

MES Xpress Overview

MES systems are critical for digital transformation of factories in order to quickly adapt to the changing environment, heighten responsiveness, and improve agility while remaining innovative and efficient. However, the complexity, size of investment required, and the extended timelines of a traditional full-scale MES deployment often come across as barriers to its adoption by the manufacturers who seek a solution that is more suited to their processes and specific shop floor needs.

MES Xpress, built on Dassault Systémes DELMIA® Applications, offers manufacturing companies a unique alternative solution that can be swiftly implemented and can improve time-to-value while concurrently providing essential coverage of the core manufacturing processes. The modular design provides flexibility for function specific deployment and solution extension. The solution also has ready capability for integration with the existing ERP system as well as machines for real time data acquisition.

3 Months Jumpstart

Rapidly deployable solution with a reduced implementation lead time of 12-16 weeks. Customer can reap the benefits of the MES system without having to wait for full scale deployment.

Core Processes

Out-of-the-box solution configured for core manufacturing processes – Production, Inventory, Quality and Maintenance. Role-wise functionalities for Factory Supervisors, Operators, Quality Inspectors & Service Technicians enabled.

Industry Best Practices

Pre-configured templates for Discrete Manufacturing industry with options for both Batch processing and Assembly line. The pre-built industry package allows customers to truly leverage the global best practices in the shortest span of time.

Optimal Investment

Higher returns on your MES programs with a significantly lower financial investment. Using MES Xpress, customers can quickly achieve their target ROI and optimize initial investments to validate the MES business case.

Starter Kit for Scaling Up

Fast-track your factory's digital transformation journey by removing the initial barriers in implementation. Customers planning for a full-fledged MES implementation in future can use this as a foundation starter kit to quickly scale up their manufacturing capabilities.
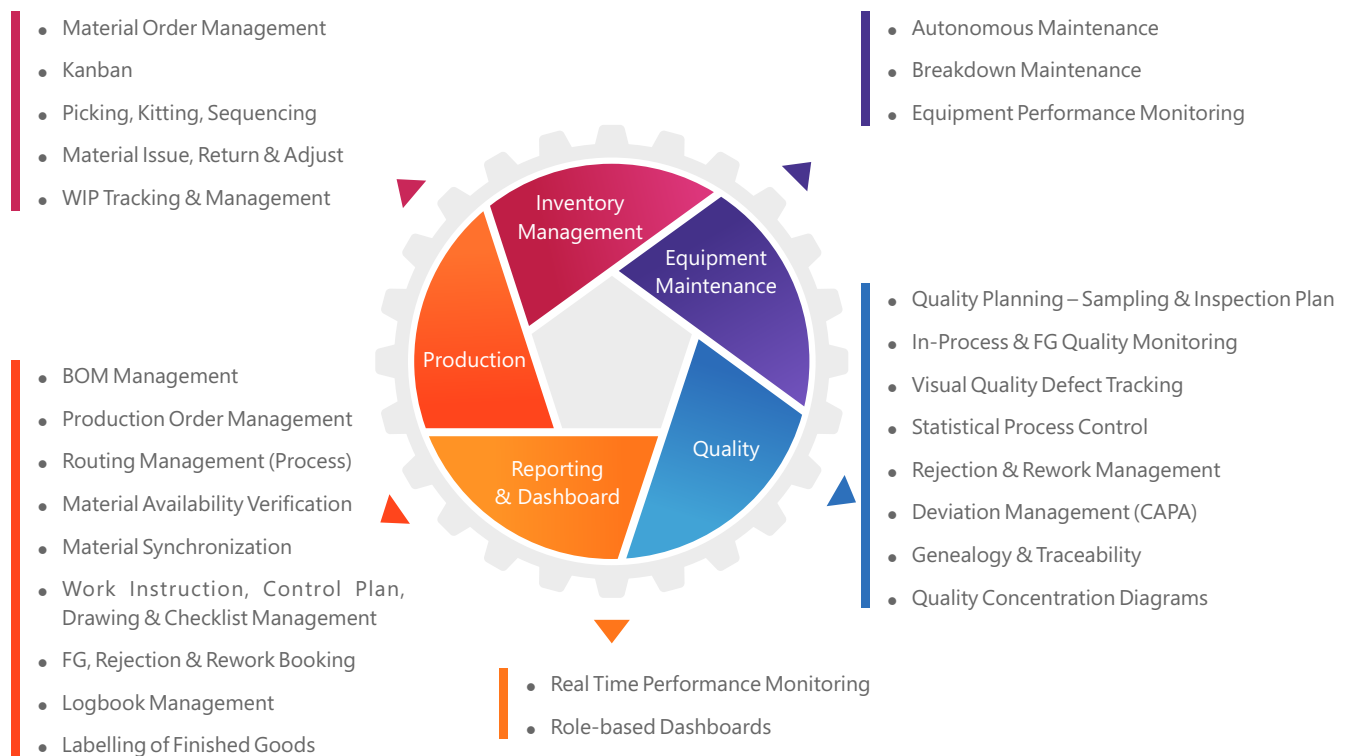
Essential for SMB

SMB (Small and medium businesses) can take advantage of the ready-to-use components and digitize their essential shop floor processes. MES Xpress meets the specific requirements of the SMB sector that need only limited functionalities.
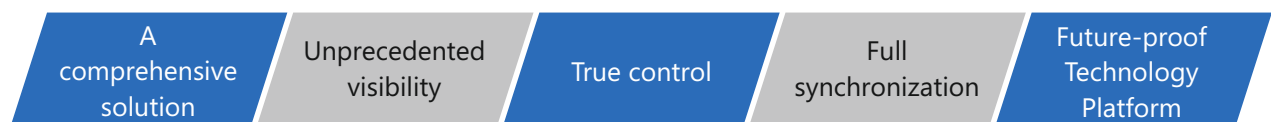
MES Xpress Solution Stack

- Material Order Management
- Kanban
- Picking, Kitting, Sequencing
- Material Issue, Return & Adjust
- WIP Tracking & Management

- Autonomous Maintenance
- Breakdown Maintenance
- Equipment Performance Monitoring

- BOM Management
- Production Order Management
- Routing Management (Process)
- Material Availability Verification
- Material Synchronization
- Work Instruction, Control Plan, Drawing & Checklist Management
- FG, Rejection & Rework Booking
- Logbook Management
- Labelling of Finished Goods

- Quality Planning – Sampling & Inspection Plan
- In-Process & FG Quality Monitoring
- Visual Quality Defect Tracking
- Statistical Process Control
- Rejection & Rework Management
- Deviation Management (CAPA)
- Genealogy & Traceability
- Quality Concentration Diagrams

Inventory Management

Equipment Maintenance

Production

Quality

Reporting & Dashboard

- Real Time Performance Monitoring
- Role-based Dashboards

DELMIA® Applications - A Unified Approach to Achieve and Sustain Manufacturing Excellence Across All Operations

Visibility, control and synchronization are the keys to manufacturing transformation and operational excellence. The DELMIA® Applications can coordinate with your manufacturing operations – within the plant, across the enterprise, and the extended supply chain. Thanks to DELMIA® Applications, manufacturing processes no longer reside within a 'black box' with each plant optimizing its own operations. Instead, you gain true enterprise-wide manufacturing visibility and intelligence, delivered directly to your desktop, mobile device, executive dashboard or through your Enterprise Resource Planning system.

| A comprehensive solution | Unprecedented visibility | True control | Full synchronization | Future-proof Technology Platform |

Value Unlocked through MES Xpress

Implementation results in operational KPIs improvement aligned to advancement in Customer centric metrics.
(KPIs and extent of improvement to vary as per customer's landscape)

PRODUCTION
2-6% ▲
- Manpower Productivity
- OEE
- Throughput

QUALITY
8-10% ▼
- Rework & Rejection
- COPQ

MAINTENANCE
5-10% ▲
- Equipment Availability

WAREHOUSE
5-15% ▼
- WIP Inventory
- Inventory Carrying Cost

CUSTOMER FOCUS ▲
- Customer satisfaction Index
- Delivery Adherence
- Order Delivery Lead time
- Customer Complaints Response Time

About Dassault Systémes

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries.

For more information, visit www.3ds.com

About ITC Infotech

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. ITC Infotech provides business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and the unique ability to leverage deep domain expertise from ITC Group businesses. The company provides technology solutions and services to enterprises across industries such as Banking & Financial Services, Healthcare, Manufacturing, Consumer Goods, Travel and Hospitality, through a combination of traditional and newer business models, as a long-term sustainable partner.

ITC Infotech is a wholly owned subsidiary of ITC Ltd, one of India's foremost private sector companies and a leading multi-business conglomerate. With a market cap of US $35 billion and gross sales value of US $10.5 billion, ITC Limited is acknowledged as one of India's most valuable business corporations. It has been ranked as India's most admired companies by a survey conducted by Fortune India, in association with the Hay Group.

For more information, please visit: www.itcinfotech.com