

# Manufacturing Execution System (MES) for Discrete Industries Selection Guide

TECHNOLOGY SELECTION GUIDANCE WITH COMPREHENSIVE EVALUATION CRITERIA

## MAKE INFORMED, FACT-BASED MES TECHNOLOGY EVALUATION

This guide will help organizations select and evaluate the best Manufacturing Execution Systems (MES) software for your business requirements. The guide contains guidance, specific selection criteria, adoption factors, and supplier profiles to help make more insightful decisions and addresses today's manufacturing requirements. Succeeding in today's global competitive climate requires innovation and operational excellence. Companies are looking for ways to improve productivity and manage complex products and processes quickly and efficiently.

While companies integrate new intelligent devices into products and data from the Industrial IoT continues to grow, manufacturers are faced with many challenges, including increasing operational efficiency, managing quality, reducing downtime and costs, meeting compliance regulations, and improving visibility.

The MES market is diverse, with each industry having its own distinct applications and suppliers. Modern MES applications provide new, smarter and intuitive tools including industrial analytics that improve time to value. MES software can capture and incorporate manufacturing and business "big data" and turn it into actionable intelligence using analytics, digital dashboards, and other tools that adapt to changing demand and conditions. Applications included in MES range from manufacturing and operations intelligence, workflow management, traceability, short term planning and scheduling, material tracking and more.

For more information, please visit us at [www.arcweb.com/technology-evaluation-and-selection](http://www.arcweb.com/technology-evaluation-and-selection).

## STRATEGIC ISSUES

The selection guide explores objectives, technical selection criteria, and applications with information about best practices, in-depth market analysis, trends, supplier industry segments and geographic region. The guide also provides insightful analysis of key technologies and issues. The guide can help answer key questions such as:

- What are some of the key MES technologies that users are implementing?
- What new technologies are important?
- What MES features and functions should be considered when comparing and evaluating suppliers?
- Which industries and regions are top suppliers offering opportunities?
- What are some of the key technologies and best practices that users are implementing?
- How will new technologies improve MES now and in the future?

## GUIDE CONTENTS

### EXECUTIVE SUMMARY

Major, Industry, and Regional Trends

### ADOPTION STRATEGIES

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MES Defined  
MES Functions

### TECHNOLOGY AND SUPPLIER SELECTION CRITERIA

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Consider Best Practices by Suppliers  
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Table Containing over 100 Specific Selection Criteria

### MARKET SHARES ANALYSIS

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Semiconductors

### SUPPLIER PROFILES

Profiles for the major suppliers servicing this market are included. Each profile reviews the company's business, products, and services as it applies to this market.



Manufacturing Execution Systems