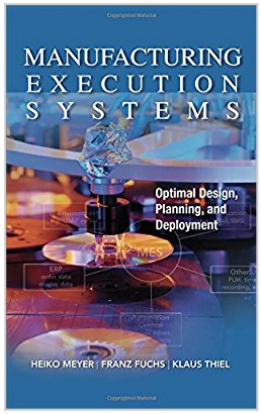

Manufacturing Execution Systems (MES): Optimal Design, Planning, and Deployment (Mechanical Engineering)

By Heiko Meyer, Franz Fuchs, Klaus Thiel

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Implement Enterprise-Wide Manufacturing Execution Systems Solutions

"The clearest exposition I have seen of the ideal anatomy of a production-oriented IT system. ...Palatable to decision makers within an organization...IT professionals [and] academics in IT and operations management. ...Useful and interesting." --From the Foreword by Dr. Anand Paul, Associate Professor, Department of Information Systems and Operations Management, Warrington College of Business Administration, University of Florida, Gainesville

Streamline the production process from top-tier management to the plant floor using cutting-edge MES tools and techniques. *Manufacturing Execution Systems* shows, step-by-step, how to select hardware and software, develop implementation plans, and maintain an integrated MES solution across your entire enterprise. Learn how to maximize process capability, generate manufacturing intelligence, handle order fulfillment and QA, and ensure optimal ROI. This practical guide includes real-world case studies, predictions for the future of production-oriented IT systems, and detailed technical appendices.

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- Manage plant data, business information, and standards compliance
- Increase production efficiency using TQM and Lean techniques
- Carry out production flow-oriented design and sequence planning
- Govern order fulfillment, quality control, and plant maintenance
- Incorporate human resources, ERP, and product lifecycle information

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Heiko Meyer is a professor at the University of Applied Science in Munich. He also collaborates with Gefasoft Inc., in the creation of MES software.

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