



# Improving Production with Lean Thinking

*By Javier Santos, Richard A. Wysk, Jose M. Torres*

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Unique coverage of manufacturing management techniques--complete with cases and real-world examples.

Improving Production with Lean Thinking picks up where other references on production processes leave off. It is increasingly important to integrate and systematize lean thinking throughout production/manufacturing and the supply chain because the market is becoming more competitive, products are becoming more complex, and product life is getting shorter and shorter. With a practical focus, this book encompasses the science and analytical background for improving manufacturing, control, and design. It covers specific methodologies and tools for:

- \* Material flow and facilities layout, including a six step layout design process
- \* The design of cellular layouts
- \* Analyzing and improving equipment efficiency, including Poka-Yoke, motion study, maintenance, SMED, and more
- \* Environmental improvements, including 5S implementation

With real-life case studies of successful European and American approaches to lean manufacturing, this reference is ideal for engineers, managers, and researchers in manufacturing and production facilities as well as students. It bridges the gap between production/manufacturing and supply chain techniques and provides a detailed roadmap to improved factory performance.

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**Bibliography**

- Sales Rank: #1414427 in Books
- Published on: 2006-02-10
- Original language: English
- Number of items: 1
- Dimensions: 9.54" h x .84" w x 6.50" l, 1.09 pounds
- Binding: Hardcover
- 264 pages

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## **Editorial Review**

### **Review**

"...dedicated towards the Japanese management and production techniques 'Lean Management" (*Journal of the Operational Research Society*, (2007) 58)

From the Back Cover

## **UNIQUE COVERAGE OF MANUFACTURING MANAGEMENT TECHNIQUES—COMPLETE WITH CASES AND REAL-WORLD EXAMPLES**

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### **About the Author**

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**RICHARD A. WYSK**, PHD is the Leonhard Chair in Engineering in the Department of Industrial and Manufacturing Engineering at Pennsylvania State University. He is the coauthor of the best selling college textbook *Computer-Aided Manufacturing*.

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