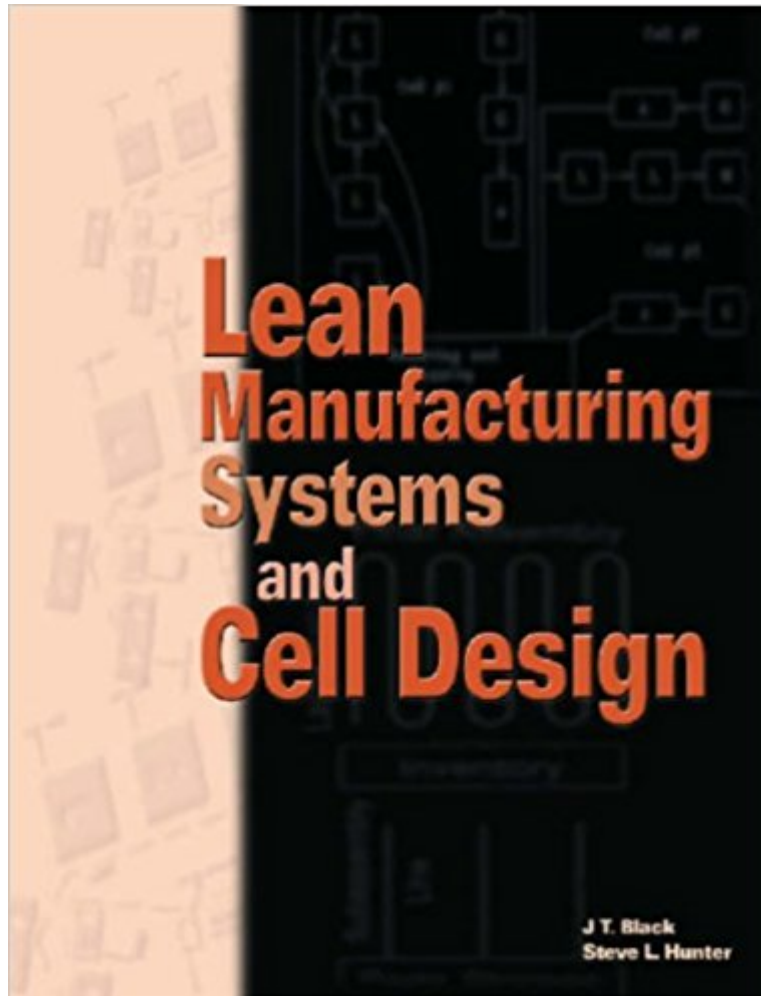




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Lean Manufacturing Systems And Cell Design



Synopsis

Eminent Manufacturing systems experts J. T. Black and Steve Hunter explain how cellular systems comprise the foundation of the entire lean implementation process in this book. Based on decades of study and firsthand observations of prominent companies in the automotive, aerospace, and plastics industries, the authors explain how members of the lean implementation team-from the manufacturing engineer to the shop floor team leader-can achieve lean cellular system designs. Learn how to integrate quality and reliability control, machine tool maintenance, production and inventory control, and suppliers into the linked-cell system for one-piece-parts movement within cells and small-lot movement between cells. When discussing the advanced use of automation, this book provides leading-edge-information on how 3-D software can be used to simulate hypothetical cells and map out the impact ergonomics has on productivity (an often-overlooked lean variable) in existing cells.

Book Information

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Customer Reviews

Lean Manufacturing Systems and Cell Design by Black and Hunter is an interesting book because of it's brilliant insights usually followed by totally wrong statements. Given the title I assumed the book had to do with Lean Manufacturing but the authors never refer to the 7 or 8 wastes, or other tenets of Lean. They have observed some very good, lean, systems and have some very good observations about cells but they also confuse takt time with cycle time (very different things); they mix the terms cell and cellular even though they are two different things; they seem to think 5S is

about housekeeping (which is an outcome of 5S, not the purpose); they call kanban a buffering system and insist buffers are necessary (buffers keep product moving but they slow down problem solving); they use the term chaku-chaku but they incorrectly describe it which causes me to believe they do not know what it is; and many other errors in what Lean is; what cellular manufacturing is; and how to create them. I can not recommend this book because it has too many errors to be safely used to create improvement and that is a shame because it does have some observations and statements that are correct and rarely printed.

My girlfriend needed this for her class. She used it more for reference than to learn from she had a good professor. Overall as described and shipped on time for the quarter.

The lean manufacturing book for practitioner which was written by the manufacturing expertise.

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