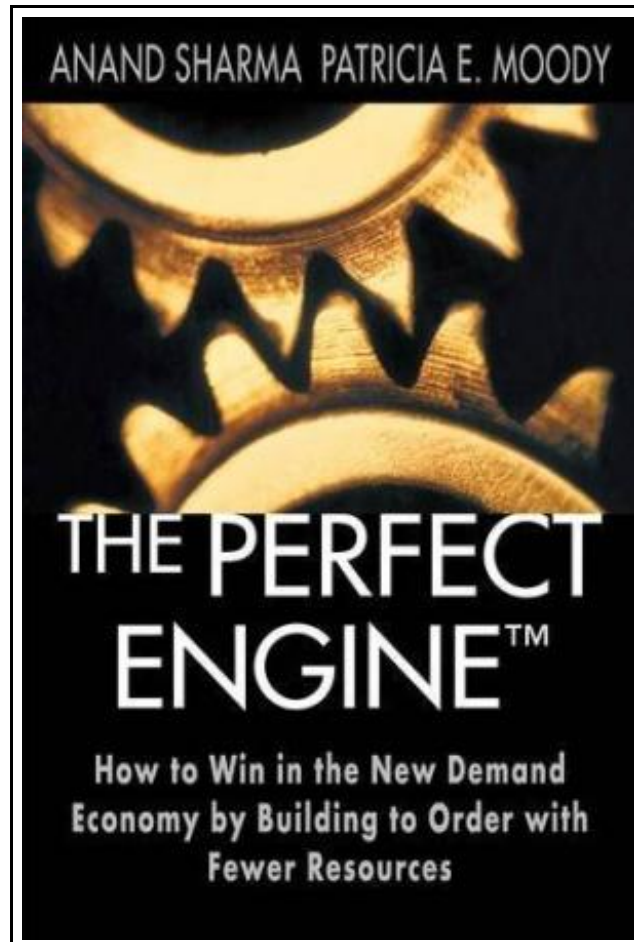


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THE PERFECT ENGINE: DRIVING MANUFACTURING BREAKTHROUGHS WITH THE GLOBA

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Free Press. Paperback. Book Condition: New. Paperback. 304 pages. Dimensions: 8.9in. x 6.0in. x 0.8in. Most manufacturing companies with batch-and-queue push production systems have been blindsided by today's consumer who expects quality products and services delivered on demand and customized to individual taste. In *The Perfect Engine*, manufacturing experts Anand Sharma and Patricia E. Moody describe for the first time how leading pull production pioneers build to order by reducing inventory, decreasing cycle time, minimizing floor space, and eliminating waste. Drawing on scores of examples and detailed case studies of three leaders in the demand economy field -- Maytag, Pella, and Mercedes-Benz -- Sharma and Moody demonstrate how these companies achieved astonishing results using the pathbreaking LeanSigmaSM Transformation. Combining lean production and quality elements from the famous Six Sigma process, LeanSigma produces annual productivity gains of 15 percent to 20 percent. In addition, the authors show, inventory turns more than quadruple; cycle times drop by more than 70 percent; and floor space reductions of 30 percent to 50 percent are not uncommon. Sharma and Moody provide immensely readable explanations of key technical aspects of the process--for example, how cell-based one-piece flow can replace batch-and-queue with dramatically improved lead times and inventory turnover. A chapter on a revolutionary design technique the authors call Design for LeanSigma or 3P (product and production preparation) shows how to build flexibility into the product design and the production systems at very low risk, which will be especially helpful when forecasts and customer orders deviate from original projections, as they usually do. Further, the Design for LeanSigma method is devised to produce profitability at short-term volume projections, which makes it a perfect tool for the new demand economy. Essential, timely, and important, *The Perfect Engine* is perfect reading for this new manufacturing era. This item ships from...



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