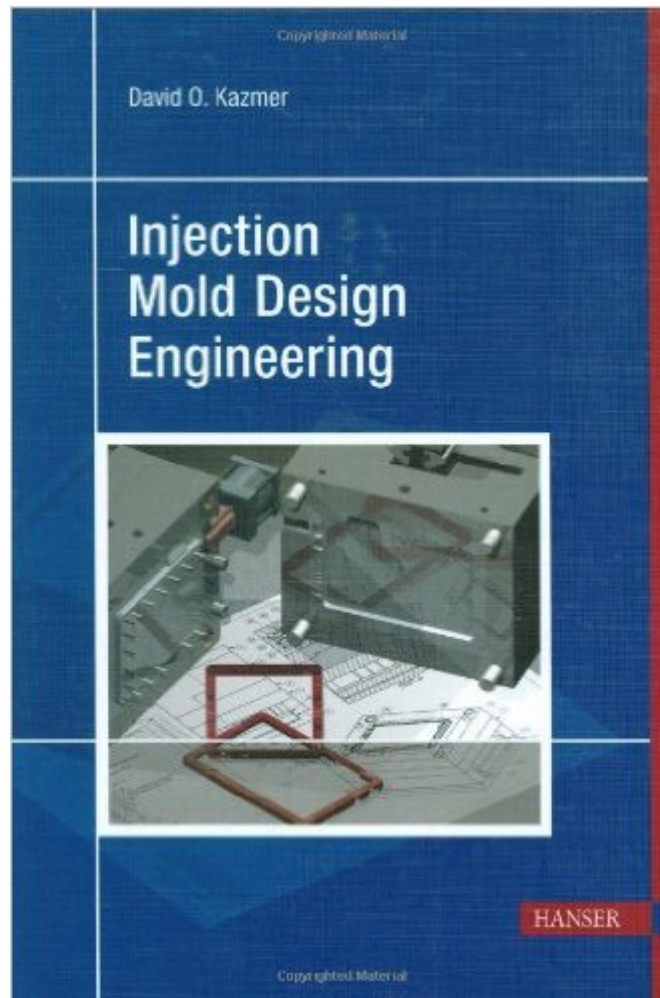


The book was found

Injection Mold Design Engineering



Synopsis

This book offers a vision and structure to synergize all the engineering disciplines that converge in the mold design process. Topics are presented in a top-down manner, from introductory definitions and the big picture to layout and detailed design of molds. This book provides pragmatic analysis with worked examples that can be adapted to real-world mold design applications. It helps students and practitioners to understand the inner workings of injection molds and encourage them to think outside the box in developing innovative and highly functional mold designs. Contents: Plastic Part Design. Mold Cost Estimation. Mold Layout Design. Cavity Filling Analysis and Design. Feed System Design. Gating Design. Venting. Cooling System Design. Shrinkage and Warpage. Ejection System Design. Structural System Design. Mold Technologies.

Book Information

Hardcover: 430 pages

Publisher: Hanser Publications; 8/31/07 edition (March 1, 2007)

Language: English

ISBN-10: 1569904170

ISBN-13: 978-1569904176

Product Dimensions: 9.5 x 6.6 x 1 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (8 customer reviews)

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Customer Reviews

The book Injection Mold Design Engineering provides a great amount of detail on polymer flow in plastic manufacturing processes. The book describes the basics of mold flow design and shares insight in how polymers flow and where issues may arise in the design of molds. There are plenty of formulas with examples to demonstrate their application. Details cover many aspects of the mold design including wall thickness, runners, corners, angles, ribs and much more. Some material seems to stop short of the complete details leaving the reader wanting. But the value of the rest of the material makes the book well worth its price. I use this book as one of several technical references in writing articles for a free on-line magazine that focuses on plastic polymers and the

manufacturing processes [...], sponsored by Precise Mold and Engineering a custom plastic manufacturing company([...]).Dr. John H. GlasgowPresident, Resource Management Training[...]

Excellent introductory reference if you are in the plastic molding industry. This book has given me a more thorough understanding on how tools are designed and built and what influences their cost. I often have people stopping by to borrow it, and my boss is thinking about getting his own copy.

I've taken the course with the author of the book during my undergraduate curriculum, and found it extremely helpful in providing insight into the molding process and the effects of various design considerations to quality and processing. Moreover, as a professional, this book severed additional benefit of understanding detailed cost and ROI implications of particular design changes, thus providing quantitative measures to making appropriate conclusions and decisions. I recommend this book for anyone in the mold design business, as well as anyone in injection molding business as a whole who wishes further understanding of mold design.

I found the book a good book shelf book to consult during the design of many plastic parts. This book is more for the analytical and more for those quoting and setting time lines during the mold making design.

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