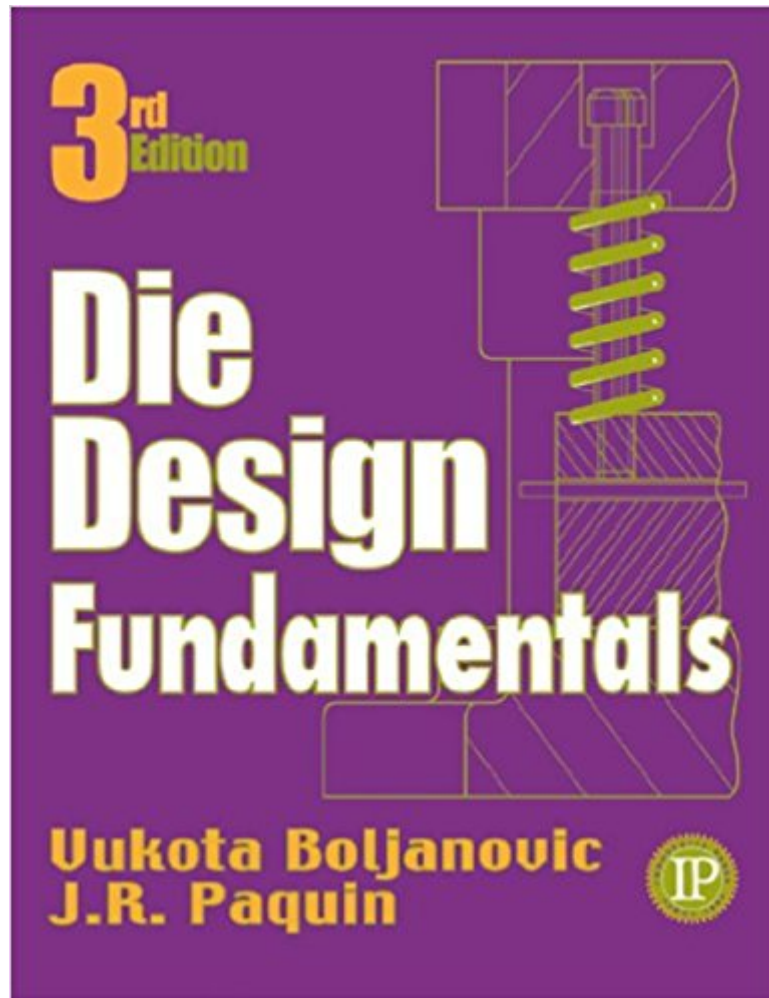




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Die Design Fundamentals



Synopsis

Retaining its unique and much praised organization, this leading text has been revised to reflect the most recent developments in design tools. It provides balanced coverage of relevant fundamentals and real-world practices so that students, apprentices and on-the-job professionals can understand the important and often complex interrelationships between die design and the economic factors involved in manufacturing sheet-metal forming products. Following introductory material and a discussion of 20 types of dies in Chapter 2, the design process of a representative die is separated into seventeen distinct chapters. Each chapter is one step which is illustrated in two ways; first, as a portion of an engineering drawing, that is, as the component is actually drawn on the design. Second, the die design is shown pictorially in order to improve the user's visualization. In successive sections each step is detailed as it is applied to the design of the various types of dies listed in Chapter 2. Includes English and Metric systems. Covers new methods of producing blanks, such as waterjet cutting and laser cutting. Contains a glossary of terms for the first time. Illustrates each step in pictorial view and as a portion of an engineering drawing. Offers a completely revised chapter on presses and quick die-changing systems and includes the addition of 'Quick Die Change Systems.

Book Information

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Customer Reviews

With more than 35 years of experience in applied engineering in the aircraft and automotive

industries, Vukota Boljanovic has performed extensive research in development and manufacturing engineering, including the impact of design modification on tools, dies, and processes selection, aircraft assembly and inspection. He received his B.S., M.S. and Ph.D. in Mechanical Engineering and worked in Europe in both academia and industry -- as a Professor of Aerospace Engineering and as Vice President for Research and Development for an aircraft company where he oversaw industry and government funded research on a variety of manufacturing topics. The author of two books, including Sheet Metal Forming Processes and Die Design (Industrial Press, 2004) and numerous technical papers, Boljanovic has been recognized by the aircraft industry and academia for several of his contributions to manufacturing processes. Before recently retiring in Knoxville, Tennessee, he spent five years working in the American automotive industry.

Great book ! Fundamentals is a perfect word to describe it, great tricks, and let's the reader REALLY crawl inside the tool! Gives you all the bells, and whistles of the trade.

I have minimal machining experience, mostly self taught, and this book opens up the process of creating a die extremely well. I have only gotten through a few chapters but the illustrations are very good, the text is easy to follow and clear. Great book, from my admittedly novice point of view... but I have learned a lot.. and thats the point of this book.

A truly authoritative reference on die design in existence today. A detailed and technical yet easy to understand contents make this book a precious reference for every die designer and die makers. 'Chapter 5: Fourteen Steps To Design A Die' provides excellent yet fundamental details towards die design. There is definitely no regret from buying this book.

Great practicality on fabrication. I read fabrication books all the time and this was a good surprise. Must read before any machinist hand. This book is the best.

If you are looking to stamp sheet metal this seems to be a great book. I am about halfway through and enjoying reading it. I feel like I have a great concept of how my die will look and have started on a 3d model for it. It gives many calculations and standard value charts. For example, you can calculate the sheering force required for about 10 different metal types based on the perimeter of your cut and thickness of metal. This is useful when deciding to buy a press.

Our class never got to use this text because of software issues in the accompanying program. I read through it and it has some solid info.

Very good book for a beginner in this field, It helps you to understand the main elements for making a forming die, But it is not enough for a professional to design one.

The listing said that the book was new but it wasn't. It has writings and highlightings parts in it

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