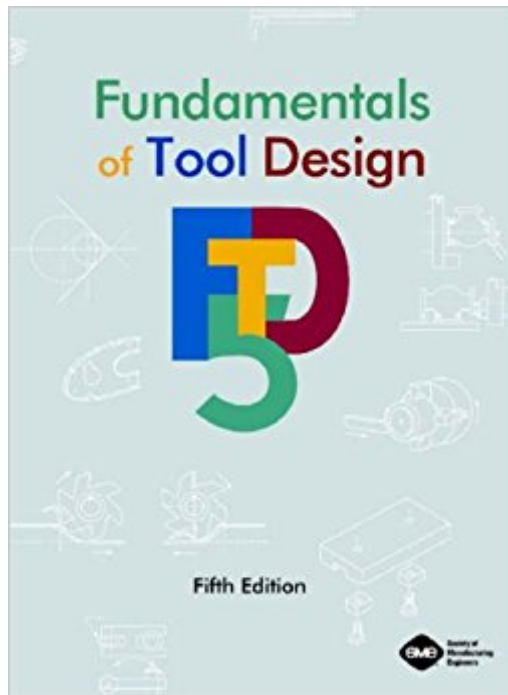




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Fundamentals Of Tool Design, Fifth Edition



Synopsis

The long-awaited update of SME's bestselling reference guide for over 40 years has been thoroughly revised, containing new material from leading industry experts on topics such as rapid prototyping; design of pressworking tools; bending, forming and drawing; forging dies; inspection and gaging; CAD applications; and more. Longtime users of 'Fundamentals of Tool Design' will appreciate its improved searchability and user-friendly design. As always, the book outlines all the factors that impact the success of your tools, showing you how and why your tools will work in relation to the manufacturing processes you're designing them for. Each chapter details the 'nuts & bolts' you need to know that impact tool designs - such as material science, tool layout, cost analysis, calculating economical lot sizes, safety, and more. Topics also include: tool materials, cutting tool design, workholding principles, jig design, fixture design, design of pressworking tools, joining processes, inspection and gaging, modular tooling and automated tool handling, CIM/CAD/CAM technology, 3-D solid modeling, and more.

Book Information

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Customer Reviews

I needed this book for school and the teacher constantly referenced it, unlike in other classes where it's pretty much a "throwaway" book requirement. The teacher used this as his guide and he's been teaching Tool and Die for over 20 years, and has been in the business for over 35 years.

Great book.

I recently had a couple of doubts of tool design and this book has everything I needed to know, very well explained for students.

This book retaught me all the good practices I had before I started at this "job shop". Thank you
SME

Having been in Manufacturing for over 28 years, I highly recommend this book for anyone interested in Tool Design. I recently picked up this book for a Tool Design course at UCLA Ext and this is required reading for the course. Too bad I couldn't have picked up this book years ago. It has great fundamental information for any level.

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