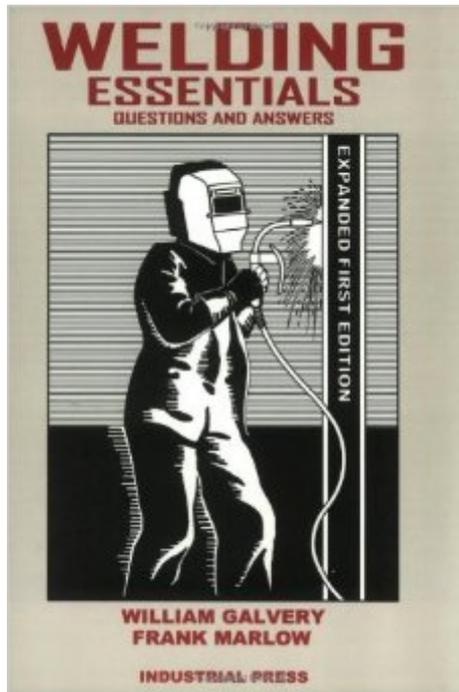


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# Welding Essentials: Questions And Answers



## Synopsis

Expanded to include a new and heavily illustrated chapter on fabrication and repair tips. Presents all essential material for beginning welders in small, easy-to-read and understand units. Introduces the beginning welder to weld inspection, welding symbols and qualification and certification issues. Can be used in conjunction with welding processes and safety seminars, and as a result become a tremendous asset to companies needing to log and claim that they put printed safety materials into employees' hands. Discusses the difference between constant voltage and constant current power supplies and traces the development of welding power supplies from motor-generator sets to transformers to the inverters of today. A metallurgy chapter explains how welding heat affects metals' properties and how to minimize its negative effects and provides a clear explanation of hardening, tempering and heat treating steel. More than 300 illustrations clarify and detail explanations of every subject. Includes a comprehensive glossary in English and Spanish.

## Book Information

Paperback: 480 pages

Publisher: Industrial Press, Inc.; Expanded edition (January 7, 2001)

Language: English

ISBN-10: 0831131519

ISBN-13: 978-0831131517

Product Dimensions: 1 x 7 x 9.8 inches

Shipping Weight: 1.8 pounds

Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (16 customer reviews)

Best Sellers Rank: #1,348,799 in Books (See Top 100 in Books) #183 in [Books > Engineering & Transportation > Engineering > Mechanical > Welding](#) #322 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Metallurgy](#) #798 in [Books > Textbooks > Engineering > Industrial Engineering](#)

## Customer Reviews

The book is very well written and illustrated. The chapter on metallurgy is excellent; direct and clear with no unnecessary techno-babble. The expanded chapter contains wonderful tips on fabrication and repair. I have been in the metals industry for twenty-nine years, and this is the best welding manual I have come across. Whether you are a beginner or a seasoned veteran, I think you will agree.

If you really want to learn how to weld and not just shoot sparks around the room to impress your friends, get this book. Welding is not simple as it might seem. To choose the correct process, weld safely and KNOW what you're doing is not easy. Where Galverly and Marlow make this book a winner is in the title. They bring the welding essentials into a reader friendly format. The explanations are concise and clear. The illustrations compliment the text. Stuck in an overcomplicated textbook? Help is here. This one is a keeper. Glad I bought it.

Having done very little welding in the past, I needed a book to help me get started. Welding Essentials fit this requirement to the letter. It is written in a clear and consise manner with lots of helpful illustrations. I would recommend this book to anyone - beginner, or an old pro who needs a refresher.

I bought several other books on welding and metalurgy before finding this one. They were not nearly as in depth or interesting as this one. (other than a US Navy aviation metalurgy textbook:-) If you want a moderately in-depth book about the technology of welding, this is the one for you. Theory and practice. Good illustrations, nicely laid out.

This is the book for all weldors, students and journeymen alike. With its bilingual Spanish/English Glossary of Terms, it takes books of this kind to a new dimension, recognizing the need for this kind of aid. It is the clearest book on the elements of welding that I have ever read, and I have read books on this topic for nearly 40 years. Simply put, every interested person will benefit from the book--and at the same time, believe it or not, every interested person will \*enjoy\* reading it. A grand example of how to write a book that informs its audiences.

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With the purchase of a brand new Miller GMAW welding machine (wirefeed electrode), my boss entered us into the world of welding. Even though a 30 minute tutorial at the welding supplier was

enough to get us started, I bought this book at a local retailer as a reference. The format is one of simple question and answer that reads easily. The content is organized logically by type of welding activity. I opened to the first chapter on oxy/acetylene cutting and read down the list as I fired up an OA torch for the first time. I found it supremely reassuring to have such direct instruction coupled with stern warnings. Apparently if I did not know what I was doing, I could have caused a serious explosion. I found nearly everything I could ask for in this book except for practice welding. Of course I have lots of time for that now that I did not blow myself up. Highly recommended for beginning welders or curious persons.

This is a dry, but very comprehensive, book on basic welding practices. I suspect it was written for college level welding classes. If you want some good depth on welding, this is the book for you. If you are looking for welding tips, move along.

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