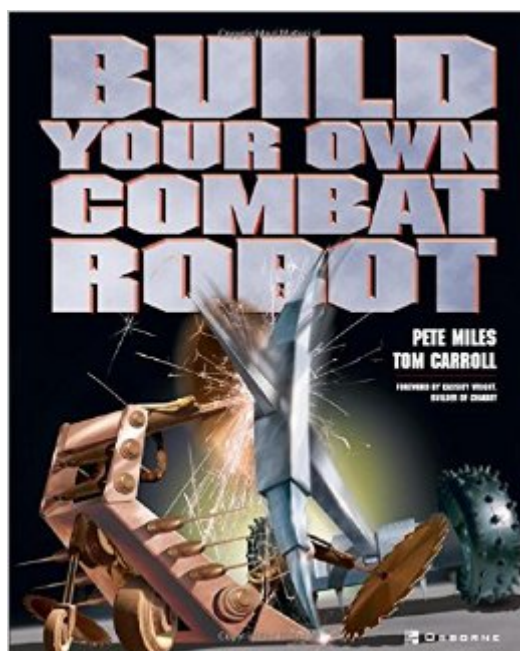


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# Build Your Own Combat Robot



## Synopsis

Explains the science and technology behind robots, and shows you what materials you need to build and program a robot for home, school, and competition.

## Book Information

Series: How to

Paperback: 416 pages

Publisher: McGraw-Hill/OsborneMedia (February 15, 2002)

Language: English

ISBN-10: 0072194642

ISBN-13: 978-0072194647

Product Dimensions: 8.3 x 0.8 x 11 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars [See all reviews](#) (12 customer reviews)

Best Sellers Rank: #770,667 in Books (See Top 100 in Books) #234 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design](#) #384 in [Books > Computers & Technology > Computer Science > Robotics](#) #601 in [Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Robotics & Automation](#)

## Customer Reviews

This book has everything! If you're interested in information on building a robot for combat then look no further. There are chapters on selecting the right motors, batteries and electronics. Want to get the most from your motors? this book explains tells you how! There are even chapters on Robot Sumo with complete plans to build your own inexpensive Sumo Robot! Great book!

This book is basically a big advertisement for combat roboting. Otherwise, the authors never seem to decide if they want to convey theory of mechanics or a rough overview of the pastime. For example, they include charts that look technical, like torque vs. rpm, but convey no useful information that can't be reasoned out with a little common sense. The book carefully details various battery properties. But, in the very next section the only thing it says about power transfer that it is necessary to make the wheels turn. They include a few useless formulas that can, again, be easily reasoned, but it doesn't mention anything about how to build or acquire a transmission. The controller sections are also poor. They include electronic schematics that, while not incorrect, are

obsolete and overly simplified. Yet, in the same sections the book actually include programming (basic I think) for controller chips. Maybe the one-star rating was a little low, but I feel that this book was a brain-stormed first draft that mistakenly made it past the editor.

This is one of the best how-to books I've seen. The authors are true experts in the subject, and it shows in their selection of material. I wish the engineers at Toshiba who designed my notebook computer had read the chapter on batteries. You get theory, practice, materials engineering, mechanics and robotics all presented in one neat package. This is one of those rare books that's perfect for the beginner as well as the expert. It's jammed full of information that would take hundreds of hours to gather from other sources, and most importantly, it's a painless way to shorten the learning curve to become a robot expert yourself.

I highly recommend this book to any first time bot builder. The section on battery technology is a bit dated but still informative. Everything else in this book timeless information. A great book to reference back to from time to time. This is the book I used when I first got started in robot fighting in the RFL

It is technical for the beginner. And, I was bummed that mine came with a blank white cover - it was a gift for my daughter who is a robotics nut. She loves the book, but it's nice to have a cool cover too. Yah, yah, don't judge a book... well, I'm taking one star off for the all-white cover.

This book takes out much of the guess work in building a combat robot. For example, do you know what happens to a robot battery when you try to drain it in 6 minutes? Other areas are construction, weapons, etc. The brief coverage of the autonomous features can be a great help for building a robot that has automatic features. This is not a detailed plan set, but a collection of information needed to build the robots, many good suggestions.

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