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# Sheet Metal Technology



## **Synopsis**

Sheet Metal Technology is written in Daveâ™s unique style with the beginner or vocational student in mind as he demonstrates how a product idea is conceived, developed and then produced by a single craftsman with basic tools. Subjects covered are safety in the shop, use of tools, layout and pattern development, various ways of forming and joining metal along with edging methods, corner systems and panel reinforcement. You will be introduced to the basic sheet metal shop where you will learn about various methods of forming sheet metal and in some instances even constructing your own tools including a rather unique and functional 24" sheet metal brake constructed of hardwood. The final chapter opens with a mass production operation set up to demonstrate the efficiency and economy of modern industrial technology. Then further projects are progressively introduced as skill is acquired. Such projects as a dustpan for the shop, a handy tool tote tray as well as plans for single and double hinge tool boxes. By this time you are an advanced student and ready to construct the unique portable charcoal grill and the impressive three drawer tool chest from the plans provided. Dave Gingery brings it all within your grasp and you will be amazed at what can be produced with tin snips, standard measuring tools and a 24" sheet metal brake.

## **Book Information**

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## Customer Reviews

I got this book hoping that I could learn to make metal enclosures for electronic projects. I was not disappointed. This book is very easy to understand and the clear illustrations guide you in the whole process of creating the projects depicted on the book. Although I am still in the process of making the leaf brake I am itching to start working on the three drawer tool chest. I recommend this book to anyone that loves to work with their hands. The author is very encouraging without being condescending.

I got this hoping to learn to bend metal. Was not disappointed. I needed to make a long toolbox (30") for my biggest torque wrench. I took his plans, extended the sides and hey, presto, there it was. Easy. Then I shortened the sides and make a small (8") box for my granddaughter. I haven't tried the box with drawers, but I'm confident that I could, with these directions.

I purchased this book to learn more about designing projects with sheet metal. I expected a lot from this book, since Gingery is a well-known author of topics in the workshop. I was not disappointed. This book covers a few sheet metal projects. It discusses the basic design process in detail, from the perspective of someone building sheet metal objects for production and sale. The book includes several sheet metal projects, including the tool box on the cover. The drawings and description of the projects are enough to easily be able to complete them yourself. I recommend this book, to anyone who wants to learn to turn flat sheet metal into useful projects.

Mr. Gingery, publishing a book his father never actually tried to publish, has left out critical things about forming sheet metal. Unfortunately, the things he left out are the more-difficult issues for 'beginner' sheet metal workers -- like bend allowances. His comment on that was (essentially), "you'll have to learn this on your own." In fact, it's a basic piece of knowledge that any comprehensive text on sheet metal would have dealt with in detail. And it's something that can be quantified, so that's not an unreasonable thing to include in the book. LES

Bought this book originally to act as an aid in teaching my teenage sons about the industry of Sheetmetal which I have been a part of for over 18 years as a HVAC installer and repairman. Found

the book to be very informative, well written and very entertaining. The project examples are excellent, and they walk you through a project from start to finish. They even give you a project of building your own sheet metal brake out of wood which would be great for any beginner or casual user. Looking forward to purchasing another David Gingery book on designing and building a sheet metal brake.

I haven't got a chance to read this all the way through yet, but what I have read has been a nice refresher on things I learned in Tech in Junior High. I look forward to reading the rest and completing some of the projects when I have a chance.

Most useless book i've ever laid my hands on. It's not even thick enough to use it as a door stop. My guess is that after David gingery dies, his estate started putting all kinds of garbage together and call them different names and this is certainly one. Don't buy this book if you actually want to learn sheet metal work.

Has decent step by step on a few projects. I'd almost expect it to be a text book for a jr. High shop class. Not a bad way to get the most basic information. Most project call for a spot welder, you can drill holes and use pop-rivets all the same.

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