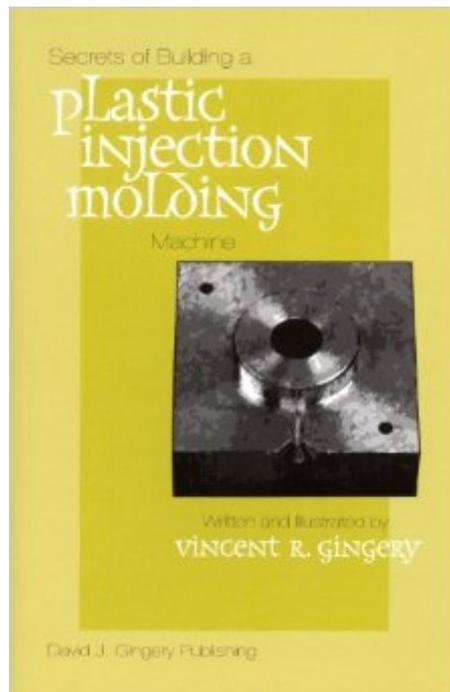


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# Secrets Of Building A Plastic Injection Molding Machine



## Synopsis

Creating with plastic can be fun and can be a profitable hobby as well. But most plastic components these days are created by huge, expensive plastic injection molding machines. Molten plastic is forced under enormous pressure into intricate molds. On the surface it appears to be a technology well beyond the realm of the home shop. At last, here is the book that simplifies this technology making it possible for you to inexpensively injection mold small parts from common recycled plastic. You get complete step-by-step instructions revealing the secrets of building a small inexpensive tabletop injection molding machine capable of molding up to a half ounce of plastic. Although a half ounce may not appear to be much plastic, the truth is, that it is more than enough to produce many small useful items. Best of all you'll be molding with plastic recycled from milk jugs, soda pop bottles, plastic oil cans, and more. Your raw materials are free and plentiful. You will learn the basic principles of injection molding and how to design and make your own molds. You will start by making a simple mold to test the machine. Then you will mold a plastic knob for the machine itself. Next, you'll progress to a mold that creates a small plastic container with a snap lid. Before long you will be creating new products of your own design. You will be able to cast replacements for broken or missing parts, or you can make copies of plastic components. The possibilities are endless. The moldings are incredibly professional in quality. Your friends will never understand how you were able to do it. Injection molding is a technology that has given us an incredible standard of living. Here are the secrets that will allow you to put this technology to work in your home shop. Build a molder, and explore a whole new technology today.

## Book Information

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## Customer Reviews

Gingery books are always good do it your self books. Of course you needs tools as you would to build any machine. Small injection molding machines go for about \$1000. To build one you will have to buy some stuff like the heating cartridges and steel for the parts. Half the fun of a Gingery book is actually building the machines. So for a \$100 in supplies and a day to a week making and assembling the parts you will have a working machine. Also Gingery books are easy to read and understand.

A quick read and definitely enjoyable in knowing how "possible" it is to make your own 1/2 oz. injection molding machine. Only major problem... You need a few tools; probably a bandsaw, welding equipment, a good drill press and most likely a lathe. But then again, if you want to make some molds for the IM machine you probably already have the tools I listed! The point is, it's a good learning project, but you're better off buying your own small IM machine for a few hundred bucks...

at 120+ pages, Secrets of building a plastic injection molding machine, is a pretty quick read. I haven't gotten around to trying to build such a device yet, cause honestly I've never built anything before..a few words though. The deivce once built works with strips of plastics you've collected from old recyclables around the house.. soda bottles, etc.. which is pretty cool.the machine itself however consists of about 6 pages, of which 80 % is screws and bolts and washers.. The back of the books has a very small list of possible suppliers for some of the more unique parts, and it looks like the machine itself will take abour roughly 100 bucks to make, give or take a little.So if you've already built a few things then by all means this is gonna be a good time for you, to expand what you can do.if you haven't touched a screw driver lately, you might want to start somewhere else...

This book was clear and easy to read and understand. The projects I had planned were several times the capacity of the press detailed in the book, but it was simple to enlarge on the plans provided by the author. All the book is not too long, all of the topics I had questions about were covered. The book is well-illustrated, and and the illustrations illuminate the text to add value and for a good read. This book enhanced my desire to try injection molding at home.

Pro:You can build one after read it. :)con:- but some hardware hard to find in local.- some important information will found in next book name "Build a plastic injection molding attachment for Drill press"(same author)

This book is great for someone who is interested in casting plastics and wants to get some basic experience without buying thousands of dollars worth of machinery. It is written well with lots of hints on how to keep the cost down as well as things he tried that didn't work out so that you don't make the same mistakes.

This book by Gingery is well laid out and easy to follow. Will definitely be used as a reference to build an injection machine in the very near future. I will be purchasing additional Gingery titles as there is a wealth of information for the do it yourself types.

The information presented in Gingery's book is accurate, but there is a question as to whether one needs to go to all of that trouble just to inject plastic. Check out my YouTube video of building a complete screw-based injection extruder in less than an hour, using less than \$20 worth of parts from the hardware store. Desktop Plastic Injection Molding: Hot-End Build and Test <https://www.youtube.com/watch?v=414HhxHQOWU>

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