



Build a Plastic Injection Molding Attachment for a Drill Press

By Vincent R. Gingery

Download now

Read Online ➔

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery

For the most part, plastic injection molding today is done with complex automated machinery turning out many thousands of items per day. But what if you are an experimenter, inventor or hobbyist and you just want a few parts made? We have attempted to answer that question for you by providing these plans for a small hobby size injection molding machine capable of molding slightly more than 1/2 ounce of plastic. (.59 ounce to be exact) This amazingly compact machine is designed to be used with a floor model style drill press having a minimum spindle travel of 3 inches. Thus, we refer to it as an injection molding attachment for a drill press. The unit itself measures approximately 12 inches long x 1-3/4 inch diameter at its widest point and weighs just 3 pounds. In operation, plastic is melted in the injection barrel of the machine by two 1/4 inch diameter x 2-1/2 inch long cartridge heaters. The temperature of the barrel is accurately controlled by a digital temperature controller and thermocouple arrangement. The force required to inject the plastic is provided by the feed mechanism of a drill press. Construction is simple and straight forward, but it will require basic metal working knowledge and the ability to operate a metal lathe and a drill press along with other hand and power tools associated with metal working and machine work in general. Here in this booklet you will receive detailed step by step instructions along with photos and drawings showing how to build your very own injection molding attachment for a drill press. A material list is provided. Suppliers are also identified and you will also receive a basic introduction to plastic injection molding in general. Before you know it, you will be creating plastic products of your own design. And you will have the capability to cast replacement parts, or even make copies of those hard to find items. The possibilities are indeed endless.

↓ [Download Build a Plastic Injection Molding Attachment for a ...pdf](#)

📖 [Read Online Build a Plastic Injection Molding Attachment for ...pdf](#)

Build a Plastic Injection Molding Attachment for a Drill Press

By Vincent R. Gingery

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery

For the most part, plastic injection molding today is done with complex automated machinery turning out many thousands of items per day. But what if you are an experimenter, inventor or hobbyist and you just want a few parts made? We have attempted to answer that question for you by providing these plans for a small hobby size injection molding machine capable of molding slightly more than 1/2 ounce of plastic. (.59 ounce to be exact) This amazingly compact machine is designed to be used with a floor model style drill press having a minimum spindle travel of 3 inches. Thus, we refer to it as an injection molding attachment for a drill press. The unit itself measures approximately 12 inches long x 1-3/4 inch diameter at its widest point and weighs just 3 pounds. In operation, plastic is melted in the injection barrel of the machine by two 1/4 inch diameter x 2-1/2 inch long cartridge heaters. The temperature of the barrel is accurately controlled by a digital temperature controller and thermocouple arrangement. The force required to inject the plastic is provided by the feed mechanism of a drill press. Construction is simple and straight forward, but it will require basic metal working knowledge and the ability to operate a metal lathe and a drill press along with other hand and power tools associated with metal working and machine work in general. Here in this booklet you will receive detailed step by step instructions along with photos and drawings showing how to build your very own injection molding attachment for a drill press. A material list is provided. Suppliers are also identified and you will also receive a basic introduction to plastic injection molding in general. Before you know it, you will be creating plastic products of your own design. And you will have the capability to cast replacement parts, or even make copies of those hard to find items. The possibilities are indeed endless.

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery Bibliography

- Sales Rank: #192884 in Books
- Published on: 2007-02-09
- Binding: Paperback
- 48 pages

 [Download Build a Plastic Injection Molding Attachment for a ...pdf](#)

 [Read Online Build a Plastic Injection Molding Attachment for ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Jose Goodell:

The book Build a Plastic Injection Molding Attachment for a Drill Press can give more knowledge and information about everything you want. So just why must we leave the best thing like a book Build a Plastic Injection Molding Attachment for a Drill Press? A number of you have a different opinion about reserve. But one aim this book can give many facts for us. It is absolutely suitable. Right now, try to closer together with your book. Knowledge or information that you take for that, you can give for each other; you can share all of these. Book Build a Plastic Injection Molding Attachment for a Drill Press has simple shape however you know: it has great and massive function for you. You can appearance the enormous world by open up and read a guide. So it is very wonderful.

Melanie Archer:

This Build a Plastic Injection Molding Attachment for a Drill Press book is simply not ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book is usually information inside this book incredible fresh, you will get info which is getting deeper a person read a lot of information you will get. This Build a Plastic Injection Molding Attachment for a Drill Press without we know teach the one who reading it become critical in thinking and analyzing. Don't possibly be worry Build a Plastic Injection Molding Attachment for a Drill Press can bring whenever you are and not make your bag space or bookshelves' turn into full because you can have it in the lovely laptop even cell phone. This Build a Plastic Injection Molding Attachment for a Drill Press having great arrangement in word in addition to layout, so you will not truly feel uninterested in reading.

Sheila Foxworth:

Reading a book tends to be new life style in this era globalization. With reading through you can get a lot of information that will give you benefit in your life. Together with book everyone in this world may share their idea. Publications can also inspire a lot of people. A great deal of author can inspire their reader with their story or maybe their experience. Not only the story that share in the publications. But also they write about the ability about something that you need example of this. How to get the good score toefl, or how to teach your young ones, there are many kinds of book which exist now. The authors on earth always try to improve their ability in writing, they also doing some study before they write to their book. One of them is this Build a Plastic Injection Molding Attachment for a Drill Press.

Richard Williams:

Guide is one of source of understanding. We can add our expertise from it. Not only for students but in addition native or citizen require book to know the upgrade information of year in order to year. As we know those books have many advantages. Beside many of us add our knowledge, can also bring us to around the world. By book Build a Plastic Injection Molding Attachment for a Drill Press we can get more advantage. Don't one to be creative people? To be creative person must want to read a book. Simply choose the best book that suited with your aim. Don't always be doubt to change your life at this time book Build a Plastic Injection Molding Attachment for a Drill Press. You can more appealing than now.

**Download and Read Online Build a Plastic Injection Molding
Attachment for a Drill Press By Vincent R. Gingery
#9X15WK8I4RY**

Read Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery for online ebook

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery books to read online.

Online Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery ebook PDF download

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery Doc

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery Mobipocket

Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery EPub

9X15WK8I4RY: Build a Plastic Injection Molding Attachment for a Drill Press By Vincent R. Gingery