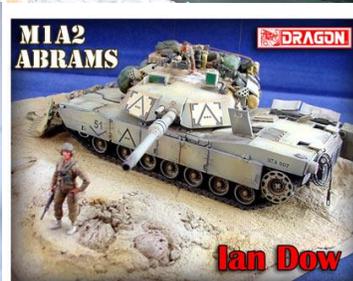




### THE BIGGEST LITTLE MODEL CLUB IN IPMS

### CLUB INFORMATION



IPMS Livonia is a non-profit educational organization created to promote and share the art of plastic modeling. The group meets at 8:00 p.m. every 2nd Tuesday of the Month.

**Meeting Place:** The Pierson Center, Suite 5, 32625 West Seven Mile Rd., Livonia, Michigan.

**Club Officers:**

**President**

Tim Howell  
(517) 861-7775  
howelltm@hotmail.com

**VP**

Bob Blevins  
(734) 664-3198  
blevins5@prodigy.net

**Treasure**

John Kesner  
(248) 880-6135  
johnkesner@frontier.com

**Secretary**

Mike Kendel  
Mkendel@sbcglobal.net

**Bull Sheet Staff:**

**Editor in Chief** Ian P. Dow  
**Associate Editor** Jeff Edge

**Club Dues**

**IPMS US members:**

\$12 Non-IPMS US members: \$15  
Juniors: \$5

**Web Site :** www.ipmslivonia.org

## In This Issue

by: Ian P. Dow

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**Meeting is Tuesday the 10<sup>th</sup> of May at the Pierson Center. It is contest month, so bring out your best and place it on the table to be judged by your peers.**



## Venture Forth and Sing Thine Praises

Gentleman,

In an effort to try and save a little time on the newsletter or at least try and save a little space I have converted a build log into a PDF and posted it in the newsletter. I think this will work. If not let me know. If opens on mine but who knows if its just reading it from another spot on my computer. Anyways if it does work well then I can add some bigger build logs. I have been hesitant to do this in the past because these newsletters are often long as it is with all my blowharding and pontificating all over the place. So we will see how it goes and we can possibly add more content.

On a personal note I have been very encouraged, happy and pleased to see all the club members going to shows. For a while it seemed like there was a large Livonia presence at each show but over the years as schedules change and lives change it seemed like we were not as strong at some of the shows. Now keep in mind I maintain that Livonia travels to more shows and visits more venues than any other club. There are some members from some clubs that do make the rounds but I feel as a club we do make the effort to get out and support the shows. Lately are we not only getting to the shows but we are getting there in number. Five members is a small amount at most of these shows with numbers getting up to the teens on some of them. That is really a good way to support this hobby and to maintain friendships. Many of us who have been going to shows for some time remember hearing some of the old timers talking about the show and the people were more important than winning. I do see what they mean by that. For those who have just started competing, don't worry you will have a box full of metals one day also that you don't know what to do with. The enjoyment of building for yourself and talking amongst friends is what the hobby is really about. One last note before I vanish into a mist of sage advice, it is always good to look at new techniques, methods and styles and try incorporating that into yours. You don't have to copy what everyone else does, but never stop trying to learn. It makes the hobby even more fun.

Keep your plastic lined up and your glue wet.

Ian



### Messerschmitt Bf 109F by Trumpeter

By Bill Plunk from the BP Models web site

<http://www.bpmodels.net/>

In an effort to help reduce the size of the newsletter I thought I would try something a little different this month. I am going to see if PDFing my review will make things a little more manageable in the newsletter. I have often come across some really neat build logs or other interesting documents but have not added them due to the fact that they would just be too big and reformatting is a pain. Now don't get upset thinking I am not spending enough time slaving away on your quality newsletter. There is still a lot of cutting and pasting that was needed to take place, but that was then formatted into a PDF and inserted into this document. I probably just need a 13-year-old to show me how to do all this in one step, but I prefer the trial and error method. Anyways if this is good with everyone I will likely start doing this to include some larger articles. Just click the little PDF icon under the picture and it should come up. Enjoy.



bf-109.pdf

## Member of the Month – Randy Helms



For this installment our Member of the Month, we look at one of our newest members. Although Randy Helms has just recently joined our ranks, he has been an instructor for the Motor City Kids chapter for a few years now.

A National IPMS member, Randy is married to wife Chris and has four children (Maddie, Dani, Riley and Robert).

Randy also proudly served in the Army National Guard (Field Artillery).

He tells us his first model was a Monogram EF-111B Raven, but his favorite was a Monogram TBD Devastator. His current subjects are 1/35 armor, artillery, helicopters and 1/48 aircraft.

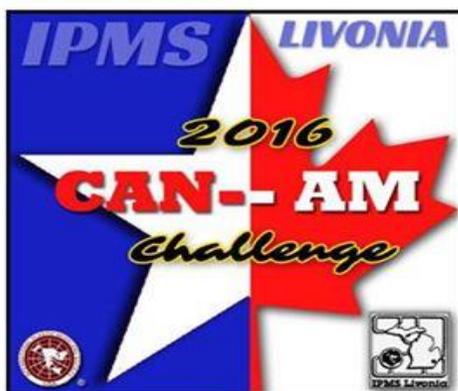
Randy states "I have been building since 1985. My Godfather, dad and grandfather all got me interested in building. I've even got two of my kids, Dani and Robert, building with me."

The IPMS Livonia family welcomes Randy and son Robert to our model building clan.



## 2016 Can-Am Contest News

By: Phil Meean



# IPMS Livonia

Proudly Presents The

## 2016 Can/Am Modelling Challenge



Sponsored  
by...



**Saturday, 1 October, 2016**

**Elks Lodge #2246 in Livonia, MI**

Elks Lodge #2246 is at **31117 Plymouth Rd. east of Merriman Rd. in Livonia, 48150**

This is an open MODEL CONTEST for all builders on both sides of the border. All IPMS eligible models are welcome regardless of previous contest placings.

Category & Judging rules are available on the IPMS Livonia Website;

[www.ipmslivonia.org](http://www.ipmslivonia.org)

*IPMS Livonia members will not be entering models for judging.*

**Special Awards will be given in the following categories:**

**Best Model by a Canadian Modeller**

**Best Model by an American Modeller**

**Best Canadian Marked Subject**

**Best American Marked Subject**

**Best Can-Am Challenge Car (50<sup>th</sup> Anniversary)**

**Best Spitfire (80<sup>th</sup> Anniversary)**

**Best Star Trek Subject (50<sup>th</sup> Anniversary)**

**Best Jeep (75<sup>th</sup> Anniversary)**

**Best Out-Of-Box 40 Year Old Kit (IPMS Livonia 40<sup>th</sup> Anniversary)**

### SCHEDULE

Vendor's set-up only: 7:00 AM  
Contest Registration Open: 9:00 – 12:30  
Judges Meeting Starts: 12:00 Noon  
Awards: Immediately following judging  
Building Closes: 5:00 PM

### ADMISSION

Contestant Admission (includes 4 Entries): \$10  
Additional model entries: \$1 Each  
Junior Contestants (17 and under, unlimited entries): \$5  
Visitors: \$3 per Adult or Family for \$5  
Vendor Tables (8' Length): \$20

Vendor Contact: **Ian Dow** – (734) 564-6448 - [iandow1030@gmail.com](mailto:iandow1030@gmail.com)

Contest Questions: **Steve Freeman** - [stevebfreeman@comcast.net](mailto:stevebfreeman@comcast.net)



In an effort to begin putting the pieces of the contest machine together, as someone aptly put it, we will start moving into the organizational phase of the contest. By this I mean we are going to begin assigning jobs or positions that will need to be covered on the contest day. Some of the jobs we will need to have covered are fairly straight forward and some will be more of just helping when needed. We will need to have as many club volunteers that day as we can get. We will also have a club table set up to showcase our work and will likely have a flyer set out listing our club times and what we do during the year like the swap meet and build days. The contest should run well with few headaches if we all pitch in and do a little. I will list below some of the jobs that we will need a hand at and if you would like to start thinking about where you might like to volunteer then we can start filling positions.

1. Registration. 2-3 people. This will also only run till about 11 or noon.
2. Raffle. Also 2-3 people but this will need to be broken up so that no one is stuck all day. So we will need about 4-6 people throughout the day.
3. Table set up, this will be putting on the plastic table clothes, setting up the place cards that show the category number and seeing if there is ample room for the models in the category.
4. Show runners. People who lend a hand where needed to help fill in a void as needed. Help with judging, raffle, scratching my back if it gets itchy. Fetching me my slippers and rubbing my feet if I need to take a break. You know the regular dignified position that a contest runner at a Livonia show should expect. This last one is to see if anyone is actually reading this or only glancing. An extra point for all those who respond.
5. MC of the show. These duties will likely be split between a couple of the talkier people in the club so dont fret if you are worried about speaking in front of a large group.
6. There will be no make and take so that will not need any assistance. We will however possibly have outside entertainment such as the Rosie the Riveters and Rick might get one of his buddies to drive a tank around the parking lot or something so we should have someone who is able to liaison with these groups if need be.

All of this is going to be hashed out in the next couple months but I would like folks to start stepping up and volunteering for positions so that we can start getting the logistics worked out ahead of time with whoever might be interested. That is it for now.



## 10 Affordable 3D Printers You Can Get Right Now

Like most of us who build models when the idea of a 3d printer first came out the possibilities seemed endless. Then we saw the price tag and realized where the end was, the beginning of that price tag. Through the passage of time they have come down in price a lot. Not quite the price of a new kit but still more within range. I found this article and it's a little older and a couple of the companies went belly up but many are still in business and most still have an affordable project. So take a minute and hit a few of the websites and see if any of this info is something that you may find useful.

Ian

When 3D printers was first introduced, it was a marvel everyone wanted a piece of. The problem was, not everyone could afford the hefty price tag it came with. 3D printing is new and still pretty expensive, but when you leave it to great minds to pull together power of [crowdsourcing](#) and [passionate people](#), there are always alternative solutions.





We have put together here **10 affordable 3D printers that you can own for less than \$1000**. Some of them are on a preorder status (it's a few weeks' wait) while others need until next year to come into fruition, due to the high demand and precision it takes to build these intricate machines. The wait time might be worth it though to **turn your [3D creations](#) to reality**.

### 1. Peachy Printer

If you've seen how a 3D printer works, get ready for a whole new different approach with Peachy Printer. It creates things with a **liquid light-sensitive resin that solidifies** when introduced to light from a laser beam. As the liquid drips slowly while being cured and solidified by the laser, it's turns into a solid object.

This new method is also **inexpensive** which explains why the [Kickstarter project](#) went over 13 times its initial goal.

Price: \$100 – [Visit website](#)

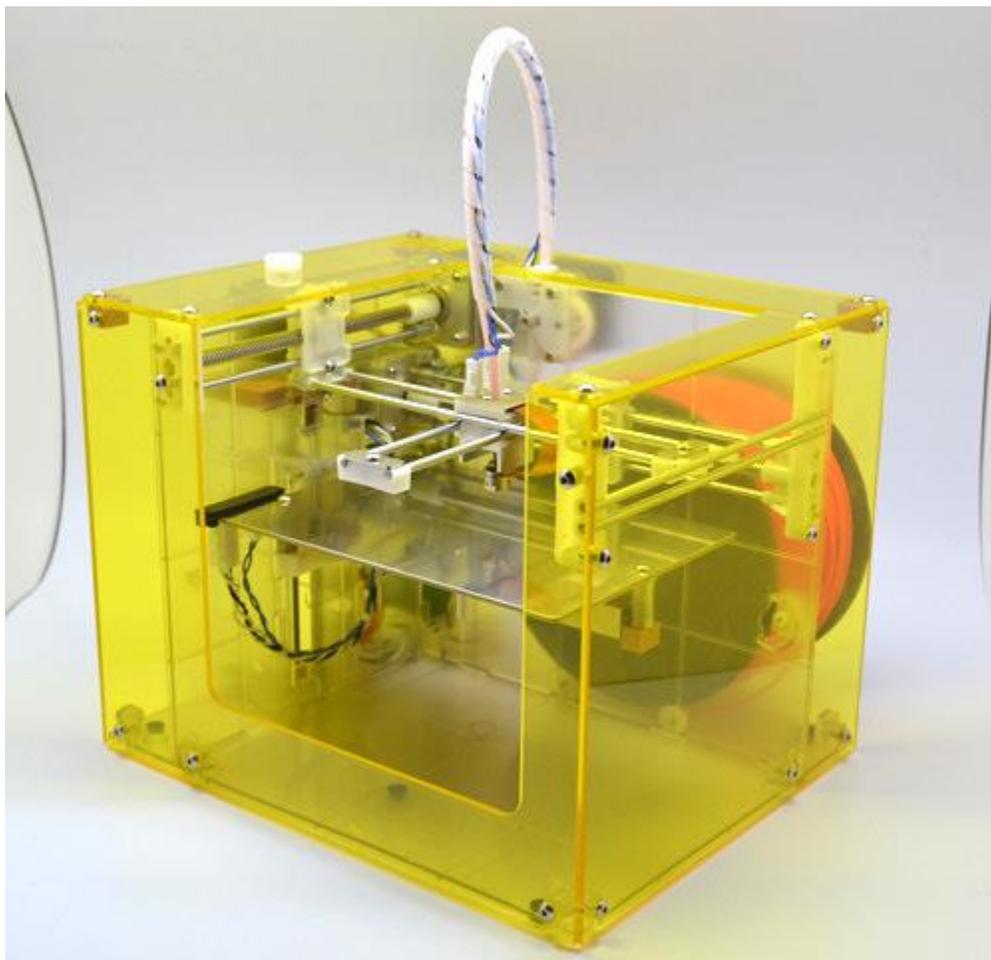


### 2. MakiBox

The MakiBox is designed to be an **affordable and dependable 3D printer**. This printer would be good for someone who wants to try out 3D printing for the first time. There is one limitation to put up with though, it only has a printing dimension of 150mm wide x 110mm deep x 90mm tall aka it only prints small things.

It comes **partially assembled** but with very few parts and minor configuration, you could get it running in no time.

Price: \$200 – \$300 – [Visit Website](#)

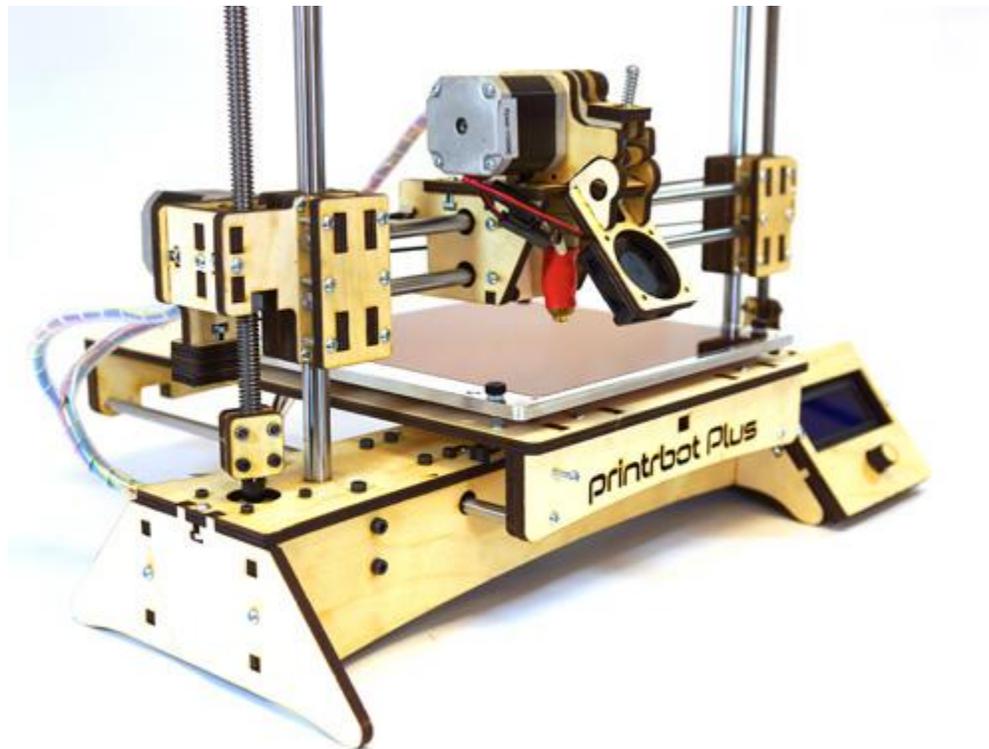


### 3. Printrbot

If size is a problem then Printrbot is the solution. It has 4 different variants of 3D printers of **different sizes and features**. There are kits you can [DIY](#) which can help you save about \$150. They've made their printers **very customizable to your needs** as you can buy add-on parts where necessary.

It works with both ABS and PLA filaments to print your 3D creations.

Price: \$259 – \$999 – [Visit Website](#)

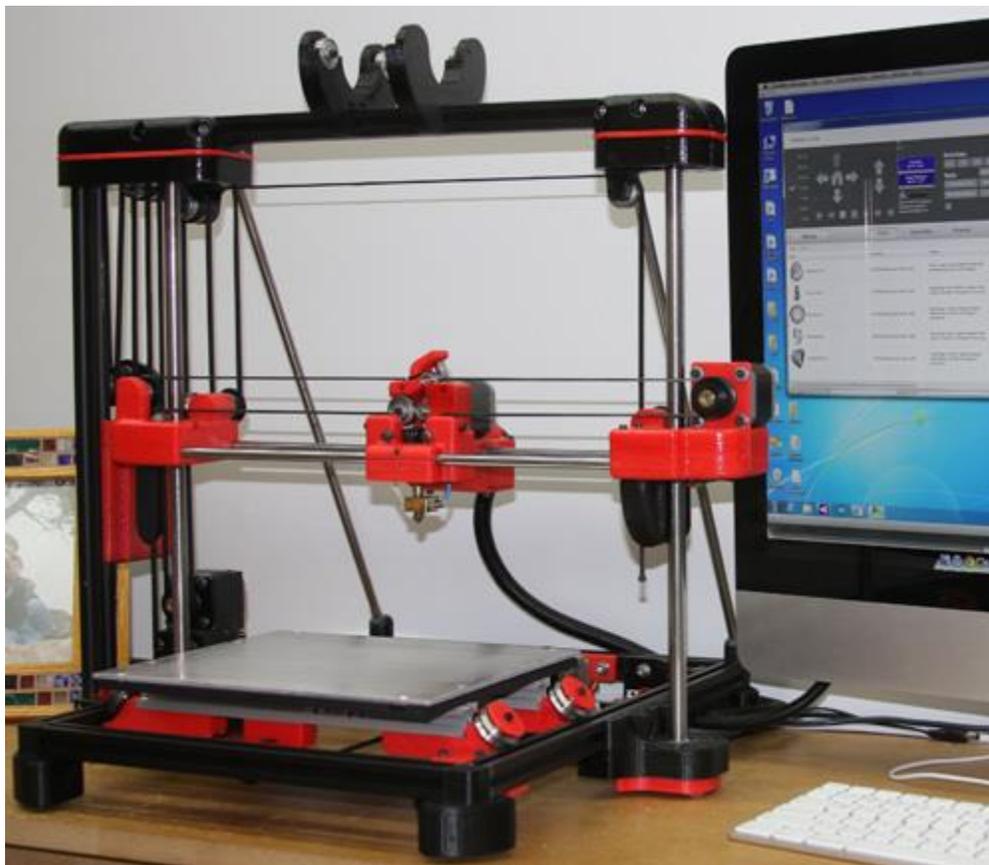




#### 4. Phoenix 3D Printer

The people behind the Phoenix 3D printer want to offer users a fully functional basic printer if you purchase their **unique 3D printing software**. One good thing about their software is that it allows you to 'pause' in the middle of a print if anything goes wrong. You can then '**rewind**' the software to the **correct point** and **continue from there**, reducing wastage of print material (which can be really expensive).

Price: \$375 – \$500 – [Visit Website](#)

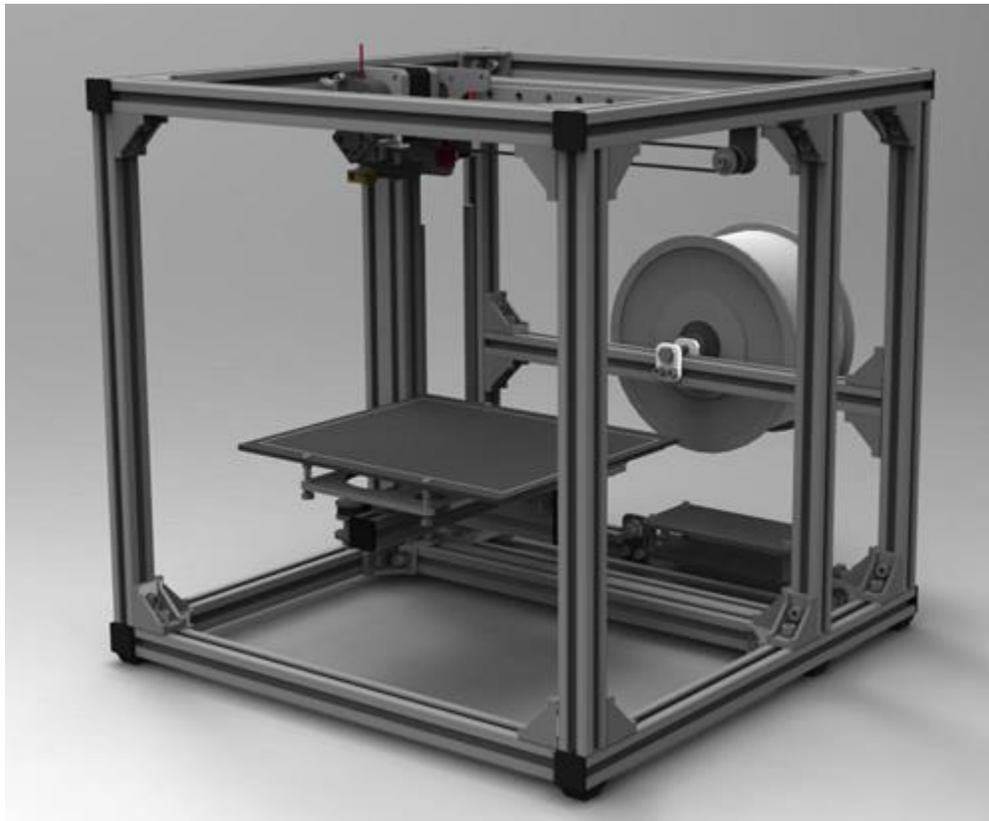


### 5. Romsraj

Romsraj is a relatively new company based in Singapore which builds and sell 3D printers. At the point of this writing they have 2 printers of different scales for sale: one a portable printer, called Portabee Go, which is **foldable for convenient transport or storage**.

The other is a desktop printer (pictured below), made from aluminum and stainless steel.

Price: \$375 – \$500 – [Visit Website](#)





### 6. The Buccaneer

The Buccaneer is a fully assembled 3D printer that works out of the box. What's great about this printer is that it's **Wi-Fi enabled**, allowing you to communicate with it via an iOS/Android app. The app allows you to browse for things to print based on category. You can **customize the size and adjust its shape** on the app before sending the blueprints to the printer.

The plastic material that it uses is food safe, so you can print bowls or plates with it.

Price: \$399 – \$999 – [Visit Website](#)





### 7. Solidoodle

This is another 3D printer you can use out of the box. Solidoodle offers a **no-fuss printer at a reasonable price**. There are currently 2 models that they offer: 2nd Generation at \$499 and the 3rd Generation Solidoodle at \$799. They only differ in size: 2nd Generation has a dimension of 6" x 6" x 6" while the 3rd Generation model has a 8" x 8" x 8" dimension, allowing you to print larger objects.

Price: \$499 – \$799 – [Visit Website](#)

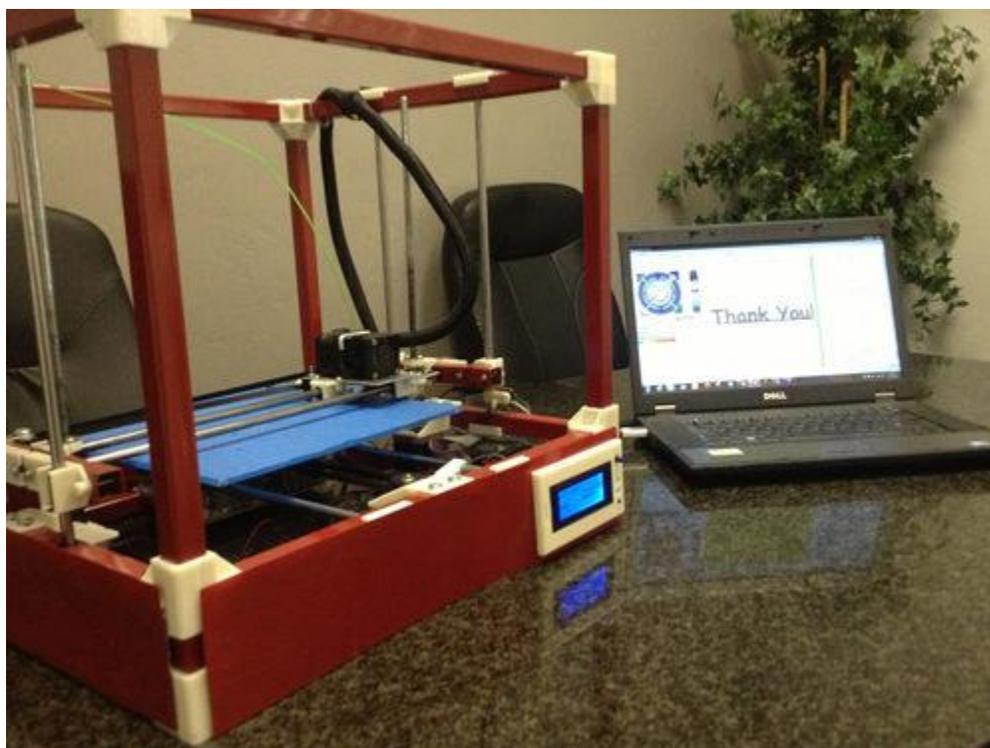




### 8. RigidBot

RigidBot is another company that sells its **3D printer as a kit or fully assembled**. The kit not only saves you some money but also allows you to customize your printer to your needs. This customizability lets hardcore users **expand the printing space** too since all they have to do is buy longer X, Y and Z axis metal rods that are available at most DIY stores.

Price: \$499 – \$959 – [Visit Website](#)





### 9. RoBo

The RoBo printer prides itself for being **open sourced**. This means that all the details of the RoBo can be found online. You can even build your own RoBo from 3D printed parts. Because of this, this relatively **professional and precise 3D printer** is sold at a reasonable price so long as you can wait for it. Backers of their Kickstarter project will only get theirs by April 2014.

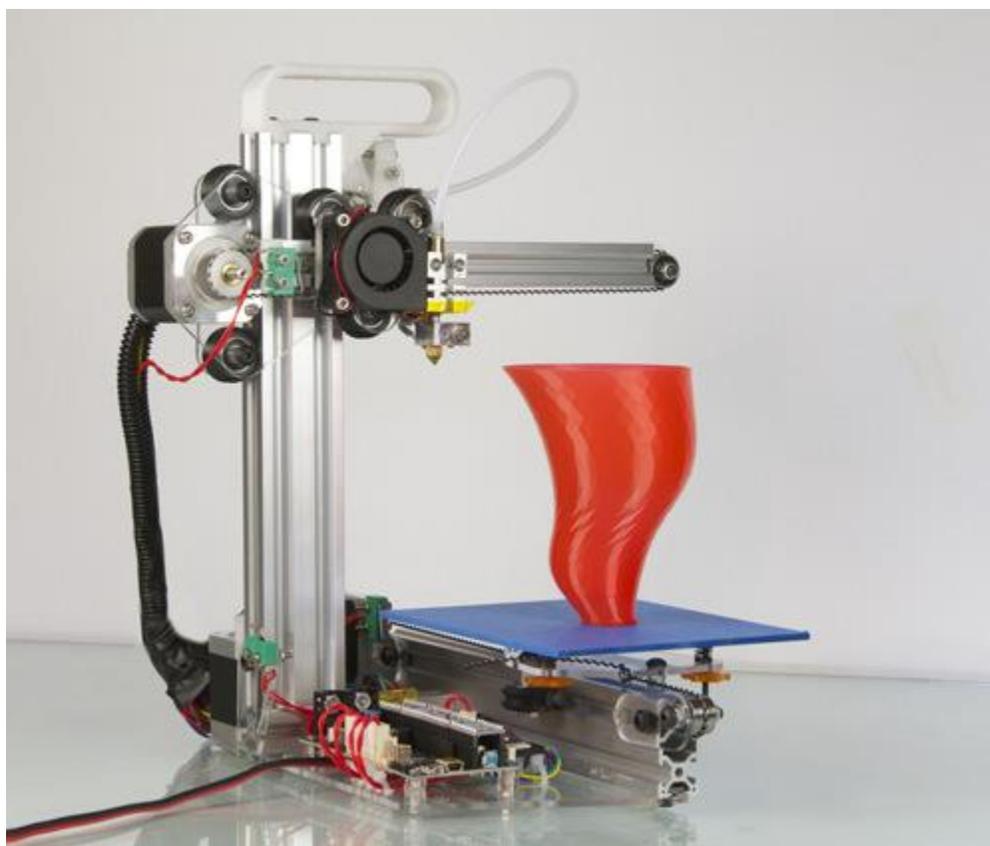
Price: \$599 – \$699 – [Visit Website](#)



### 10. Deezmaker Bukito Mini

Deezmaker made the Bukito Mini very **light and portable**. It's roughly 6 pounds. Although it is light and small with a 5" x 6" x 5" printing area, the printer has been shown to be very steady yet accurate. There's a video of it **printing an object without error even when moved around or flipped upside down**. Deezmaker has other printers at higher prices, but their Bukito Mini makes it to our list at only \$699.

Price: \$699 – [Visit Website](#)





Contest Corner

**Model of the Year Standings 2016**

|                          |                  |
|--------------------------|------------------|
| <i>Alex Mierzejewski</i> | <i>19 points</i> |
| <i>Albert Divida</i>     | <i>10 points</i> |
| <i>Greg Henderson</i>    | <i>10 points</i> |
| <i>Rick Forys</i>        | <i>6 points</i>  |
| <i>Jerry Fraske</i>      | <i>3 points</i>  |
| <i>Ian Dow</i>           | <i>3 points</i>  |

## Mess Hall.

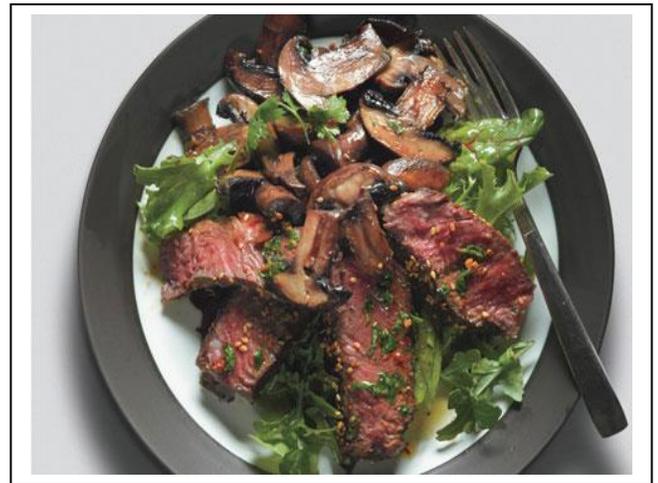
By: Grunty the Magic Pig

### Seared Asian Steak and Mushrooms On Mixed Greens With Ginger Dressing

#### Ingredients

SERVINGS: 4

- 2 tablespoons soy sauce
- 2 tablespoons seasoned rice vinegar
- 4 1/2 teaspoons vegetable oil, divided
- 1 tablespoon minced peeled fresh ginger
- 1/2 teaspoon Asian chili-garlic sauce
- 1/8 teaspoon plus 2 teaspoons Asian sesame oil, divided
- 1/4 cup chopped fresh cilantro
- 2 12-ounce rib-eye steaks
- 2 tablespoons toasted sesame seeds
- 8 ounces crimini (baby bella) mushrooms, quartered
- 8 cups mixed greens



#### Preparation

PREP: 30 MIN TOTAL: 30 MIN

- Mix soy sauce, rice vinegar, 1 1/2 teaspoons vegetable oil, minced ginger, chili-garlic sauce, and 1/8 teaspoon sesame oil in small bowl. Add cilantro and stir to blend. Set dressing aside.
- Rub 1/4 teaspoon sesame oil over each side of each rib-eye steak. Sprinkle steaks with salt, pepper, and toasted sesame seeds; press firmly to adhere. Heat 2 teaspoons vegetable oil in large nonstick skillet over medium-high heat. Add mushrooms; sauté until browned, about 8 minutes. Season to taste with salt and pepper. Transfer sautéed mushrooms to plate. Add 1 teaspoon vegetable oil and 1 teaspoon sesame oil to skillet; heat over medium-high heat. Add steaks; cook to desired doneness, 3 to 4 minutes per side for medium-rare. Transfer steaks to cutting board. Slice steaks. Toss mixed greens with dressing in large bowl; divide greens among plates. Top with steak slices and mushrooms and serve.
- Recipe by The Bon Appétit Test Kitchen