# BotFactory

**Rapid Desktop PCB Fabrication** 

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OUR CLIENTS

### Users turn to BotFactory when





### We made the PCB Manufacturing Process



Quick

Reduce your turnaround time from weeks to only a few hours



### Easy

When you design, many iterations are required. By reducing lead time and cost, you can focus on what matters



### Affordable

\$0.8-1.75/sq in/layer \$0.4-0.87/sq in (conductive) \$0.4 to 0.87/sq in (insulating) Same price for rigid or flexible materials



Safe

Keep your IP in-house



### Flexible

Adapt to new form factors & use rigid, flexible, or exotic materials (e.g., glass, paper, coin)

### OUR SOLUTION

### Rapid Additive Manufacturing of Printed Circuit Boards



### Step 1: Print

Conductive and insulating inks create a multi-layered circuit

### Step 2: Paste

Conductive glue or solder paste is extruded

### Step 3: Assemble

Components are automatically placed on the paste to finish the board

# to watch 45s video demo

# Rapid Additive Manufacturing of Printed Circuit Boards





JIFX Nov-2015

### Our last JIFX



### Hack a board

During our experiment, we took a picture of a target PCB, extracted the traces, and copied the PCB, all in under 2 hours



# Some of Our Projects

USE CASES



# Rapid Prototyping

FR-4 boards, such as this Larson scanner, are created, tested, and iterated in record times



### Smart Packaging

New materials open a whole new range of applications, such as this Arduino circuit on Kapton tape





### Flexible Electronics

Flex circuits can bend to adopt the shape of hte casing. Price is a big restriction agains mass adoption. This light fixture was made for a few dollars



### Multilayered Flex

Single layer PCBs are pressed together to create multilayer boards. Layer by layer inkjet prining removes the need for a press and plating process



### Some of Our Projects





## Some of Our Projects



**BotFactory Smart Outlet** 

Outlet 1 - State off

TURN ON



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