# **DIY Common Tools for Electronics**

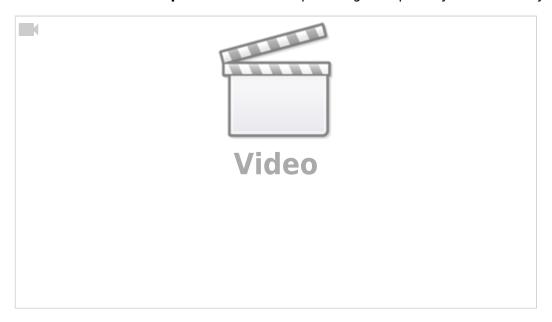
You will find Here a List of Common Tools Used For Electronics DIY. You don't absolutely **need** to have all of these things, but it sure helps!

Using a tool for purposes other than those for which it was designed can be just a little more difficult, or downright dangerous. Please be safe :)

## **General / Safety**

#### General

- 1. Workbench Protect your house, have a proper work area
- 2. Storage Unit Put your tools and components somewhere safe
- 3. **Small Plastic Cups** Somewhere to put things temporarily. Don't leave your kit lying around.



### **Safety**

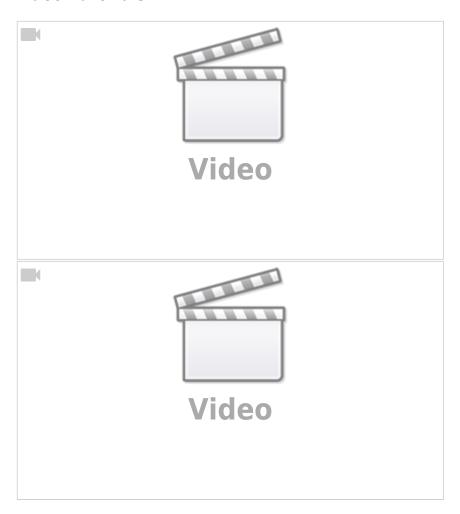
- 1. Safety Glasses Protect your sense of sight
- 2. **Face mask** Protect your lungs
- 3. Fire Extinguisher Don't let your soldering iron start a fire you can't put out
- 4. Fire Blanket As above
- 5. Soldering Smoke Absorber/Ventilator MMmmm, Lead smoke. Mmmmm, Cancer. Mmmm, Insanity. Mmm.... I think not.

### **Electrical Instruments**

Multimeter - For testing circuitry Voltages, Resistors and Transistors

- 2. **Oscilloscope** For testing signals. Dual trace is better, allow signals comparison
- 3. Power Supply Regulated lab power supply . Help in getting the right Voltages inputs

#### **Video Tutorials**



## **Soldering**

- 1. Soldering Iron or Station with Stand- Temperature controlled
- 2. Solder Good quality solder for good quality joints, 63/37 Eutectic
- 3. **Desoldering Pump** - For removing soldered chips
- Soldering Iron Tip Cleaner Take care of your tools
- Tinning Block for taking care of soldering iron tips
- PCB Holders Make soldering easier and cleaner

## **Trimming and Fastening**

- Cutters For trimming componenet leads
- Screwdriver Set Various sizes
- IC Puller / Placer
- Wire Strippers For stripping insulation from cabling

- Pliers Set Various Sizes and types
- Claw One of those little pens with a three-fingered claw for grabbing loose bits from where fingers can't reach
- IDC Crimping Tool Because doing it with pliers sucks
- Electrical Tape

#### Misc

- Mirror Little mirror on a telescopic shaft for peeking where your eyes can't reach
- Compressed Air Can For cleaning stuff by blasting off dust

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