

Electronic Tool Tip #5 – Hot Tweezers



From time to time, it becomes necessary to solder – or desolder – SMD devices to or from a printed circuit board (PCB). While this can often be done with a pencil-type standard soldering iron with a fine tip, it is often much more convenient to use a pair of “hot tweezers” for this task.

Many companies make hot tweezers, but I am a fan of the Yihua products. I already own a Yihua 948-II soldering station and a 929D-V desoldering pump iron. This tool was a logical addition to my armory of soldering equipment.

The use of a hot tweezer become especially useful when the chip sizes get smaller. The larger chips are more easily handled with a standard pencil iron, but the tiny SMD

devices demand a better alternative, and this may just be it.

The tool consists of a fixed iron with a specialized bent tip, and an opposing movable spring-loaded iron with its tip bent to mate with that on the fixed iron. The opening angle of the hot tweezer is adjustable for convenience of the user.

The hot tweezers, Yihua model #938D, comes complete with a stand and a cleaning sponge, as well as a protective cover for the (cool) tips. The unit is temperature-controlled, with the adjustment made via a potentiometer on the control unit located on the tweezers cord. I have ordered replacement tips directly from the manufacturer via an e-mail exchange.

The tool shown above is available at \$104.99 (USD). It can be ordered directly from the Yihua store at www.amazon.com, where the many high-quality offerings of this company are showcased. Yihua manufacturers a wide line of soldering and desoldering tools and equipment, suitable for anyone from the hobbyist to the professional.

Go to <https://www.amazon.com/gp/product/B078NS2HZ8> to investigate this tool for yourself.