

Electronic Tool Tip #4 – Desoldering Pump



Every electronics hobbyist will eventually find the need to desolder components, whether from point-to-point “dead bug” wired devices or from a printed circuit board (PCB). It will also come to pass that the solder wick, the squeeze bulb, and the stand-alone plunger pump will no longer fill the bill. The reason for this is that by the time that you remove the soldering iron and properly place the vacuum tool on the joint, the solder will have solidified again. What is needed is the ability to suck the solder out while still heating it.

Not every hobbyist will have the need or even the budget for a high-dollar electric vacuum pump type of desoldering tool. This is where this pump comes in. The tool is a combination of a soldering iron and an integrated plunger pump in a single assembly. Use of this tool very quickly becomes familiar and routine. The only problem that I had was making myself remember to point the tip of the tool upward while resetting the plunger, so as to avoid forcing solder balls down into the tip of the tool.

The tool works best on PCB's, but it performs acceptably on dead bug wiring as well. It will take some getting used to, but the “heating while sucking” action is the ticket. As the user's needs grow, it may be appropriate to move up to a higher-level desoldering pump, but for most hobbyists, this tool is a good choice.

The barrel lifts directly off the frame of the iron for cleaning of the accumulated waste solder from within the barrel. Re-assembly is simple – just align the end of the barrel with the opening in the base of the iron's frame, and then press the barrel down onto its locating tabs in the upper end of the frame.

The desoldering pump, Yihua model #929D-V, comes complete with a stand, and extra tip, and a cleaning tool used to keep the tip clear.

The tool shown above is available at \$39.99 (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 manufactures 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/B094ZCRXMN> to investigate this tool for yourself.