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Copper Electroplating

Copper Electroplating is the process in which a layer of copper is deposited on the item to be plated by using an electric current. For the electronics industry, copper electroplating is commonly used to plate through-holes or to strengthening existing copper traces or contacts.

The following products are required to copper electroplate:

Electroplating Tank (**Cat. No. 41650**): This placing tank will work with any electroplating system in the market.

Features:

- Holds 2 gallons of plating solution
- Open bus bars make it easy to hang anodes and cathode hook
- Bus bars are removable for easy cleaning in between uses
- Usable for prototyping pcb's up to 4" x 6" in size

Contents:

- 3.3 gallon plastic tank with holes for bus bards
- Tank lid
- Two solid copper anode bus bars (3/8" x 10.5") with red wires and connector
- One solid copper cathode bus bar (3/8" x 10.5") with black wire and connector
- 5" copper cathode hook

* Gloves and anodes sold separately

Use of this product requires

- A rectifier (capable of at least 3 amps, but no more then 25 amps)
- A magnetic stirrer with 17 cm x 17 cm plate (recommended, but other agitation systems are possible)
- Anodes (of the metal being plated)
- Electroplating solution (suitable to the metal being plated)

The following products are also required to plate copper using the MG Chemicals system:

Copper Anode Set **(Cat. No. 41660):** This is a set of 8 copper bar anodes with hooks (6" x 3/8" anodes) designed for use with MG Chemicals' electroplating system. This should also be

compatible with most electroplating systems in the market.

Copper Electroplating Solution **(Cat. No. 41670)**: This is a ready to use solution for copper electroplating. Most electroplating systems require the user to mix four or more chemicals to create a plating solution. Now, MG Chemicals makes electroplating easy with ready to use electroplating solutions.

Available in 1 gallon sized containers.