

Prototyping

- [Ammonium Persulphate](#)
- [Sodium Persulphate](#)
- [Ferric Chloride](#)
- [Professional Etching Process Kit](#)
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- [Photofabrication Kit](#)
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- [Plain Copper Clad Boards](#)
- [Presensitized Copper Clad Boards](#)
- [Nickel Print](#)
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- [Silver Conductive Pen](#)
- [Prototyping Accessories](#)

ALL MG PRODUCTS ▾

- [Accessories](#)
- [Adhesives](#)
- [Brushes](#)
- [Cleaners / Degreasers](#)
- [Contact Cleaners](#)
- [Desoldering Braid](#)
- [Dusters & Circuit Coolers](#)
- [EMI / RFI Shielding](#)
- [Epoxies](#)
- [Flux and Flux Remover](#)
- [Glass & Screen Cleaners](#)
- [Lubricants](#)
- [Potting & Encapsulating](#)
- [Protective Coatings](#)
- [Pens](#)
- [Prototyping Materials](#)
- [RTV Silicones](#)
- [Specialized Cleaners](#)
- [Swabs](#)

Professional Etching Process Kit

416-E [▶ BUY NOW](#)

Etch copper clad circuits professionally

Accommodates two 8"x 12" double sided CCB's

Contains:

- 7 liter heavy duty polyethylene etching tank
- Sturdy mounting bracket
- Clear acrylic lid
- Heavy duty air pump
- Three way adjustable airline manifold
- Triple line sparging unit
- 200 watt "Over the Side" immersion heater with quartz element, preset / adjustable temp. control
- Adhesive digital thermometer
- Bag of vinyl gloves
- [Complete instructions](#)

Also requires a minimum of 4 liters of [Ferric Chloride](#) (cat. no. 415-4L). There should be enough ferric chloride to completely cover your board. Do not dilute ferric chloride with water.

▶ [Read Operating Instructions for #416-E Etching Kit](#)

Available Sizes

Catalog Number	Description
416-E	Kit

Quick Links

- ▶ [MSDS Listing](#)
Material Safety Data Sheet
- ▶ [Instructions](#)
- ▶ [AppGuide \(PDF\)](#)

Related products:

- [Economy Etching Kit](#)
- [Prototyping Accessories](#)
- [Ferric Chloride](#)



The **MG Chemicals** Prototyping Process

This product is a part of the MG Chemicals Prototyping Process. The following materials are required for the entire process:

- ▶ [Transparency Paper](#)
- ▶ [Copper Clad Boards](#)
- ▶ [Exposure Kit](#)
- ▶ [Photofabrication Kit](#)
- ▶ [Etching Process Kit](#)
- ▶ **One of our etchants:**

- [Ferric Chloride](#)
- [Sodium Persulphate](#)
- [Ammonium Persulphate](#)

[Thermal Management](#)

[Thermally Conductive](#)

[Adhesives](#)

[Wipes](#)

