

# Prototyping : Etching Kits

## Premium Etching Kit 416-E

- Etch copper clad circuits professionally
- Accommodates two 8" x 12" double-sided copper clad boards



### Contains:

- 7 litre capacity heavy-duty polyethylene etching tank
- Sturdy mounting bracket
- Clear acrylic lid
- Heavy duty air pump
- Sparging unit with 3 way adjustable air manifold
- Requires a minimum of 7 liters of etching solution: 415-4L, 410-1KG, or 4101-1KG.

### Available Sizes

| Catalog No. | Format |
|-------------|--------|
| 416E        | Kit    |

### Replacement Parts

#### Replacement Parts

| Catalog Number | Quantity | Description   |
|----------------|----------|---|
| 416-AP         | 1        | Air pump<br><i>Replacement Air Pump for the 416-E Professional Etching Kit</i>  |
| 416--AT        | 1        | Tubing<br><i>Replacement Air Tubing for the 416-E Professional Etching Kit</i>  |
| 416-B          | 1        | Bulb<br><i>The 416B is a direct replacement bulb for the 416-X Exposure Kit.</i>  |
| 416-D          | 1        | Hose<br><i>Replacement part for the 416-E Professional Etching Kit</i>  |
| 416-G          | 10 pack  | Gloves<br><i>Vinyl Gloves - Excellent for use with all corrosive chemicals.</i>   |
| 416-H          | 1        | Heater<br><i>200 watt side mounting immersion heater with quartz element and adjustable temperature control. Replacement part for the 416-E Professional Etching Kit.</i> |

## Etching Process Kit - Student 416-ES

- Etch copper clad circuits professionally
- Accommodates two 8"x 9" double sided copper clad boards



Ideal for students and hobbyists. An inexpensive etching system with professional quality output.

### Contains:

- 5 liter heavy duty polyethylene etching tank
- Air pump and tubing
- Sparging unit
- Bag of vinyl gloves
- Complete instructions

Also requires a minimum of 4 liters of Ferric Chloride (Cat# 415-4L). There must be enough Ferric Chloride to completely cover your board.

**Do not dilute ferric chloride with water.**



### Available Sizes

| Catalog No. | Format |
|-------------|--------|
| 416ES       | Kit    |