DIRECTIONS

Printed Circuit Boards in Minutes!

1. Prepare: Clothes Iron, Packaging Tape, Steel Wool #00 (SOS & Brillo work as well), and Photocopy or software image file of Circuit Image.

2. Photocopy or Laser Print the circuit image onto the dull side (emulsion) of Press-n-Peel Image Transfer Film. Smaller office copiers, personal copiers, and all laser printers are compatible with this process. Dry toner process only!

3. Cut Press-n-Peel, leaving a 1/4" border around the circuit image. Cut PC board to size.

4. Clean copper board with steelwool, SOS or Brillo pads & water. Rinse cleaned board with soap and water. Thoroughly rinse to remove all soap residue. Dry with lint-free cloth. Smooth any burrs that appear on the edge of the board that may have resulted from the cutting/shearing process. Burrs tend to keep the iron from making solid contact with the Press-n-Peel Film.

5. Place Press-n-Peel with image face down onto clean copper board. Iron the Press-n-Peel Film to the board. Some users prefer placing a piece of plain paper between the iron and the film to reduce friction. Temperature setting on the iron is critical, and dependent upon your laser printer or photocopier. Suggested starting temperature is 225 - 250 degrees F. Iron settings generally are between the "acrylic" and "polyester" settings. *Iron temperatures vary.* Iron until board has completely and fully reached the temperature of the iron. Time varies with the size and thickness of the board. Generally this is 1.5 to 4 minutes. DO NOT USE THE STEAM SETTING!

6. Quench the board/film combination under cold running water. Peel film off.

7. To remove small "fills" in-between traces and "filled donuts", cover the imaged copper board with clear packing tape, and then remove. This will pull all unwanted filled areas off the board.

8. After removing "fills", trim the board (if necessary) to the final size. Wash the board in soap & water before etching to remove surface oxidation. Rinse well! Etch with any standard copper board etching solution -- Ammonium Persulfate, Ferric Chloride, etc. (Note: Techniks does not sell PCB etching supplies -- available through local electronic supply stores).

9. Using steel wool, scrub the Press-n-Peel image off as to reveal copper traces. This is best done under running water. Suggestion: Do not do this until your ready to drill and populate the board. The Press-n-Peel transfer resist protects the board from oxidation. Drill holes and populate PC Board!