

PCB-B

Basic PCB Manufacturing Lab Setup



FEATURES

- PCB Lab allows you to produce custom prototype quality circuit boards in a few hours with inexpensive equipment. Short development cycles have previously been restricted to the domain of software projects. Hardware designers can now benefit from improved, if still somewhat slow, cycle times.
- Basic PCB Lab covers all the standard processes for manufacturing of PCB. Necessary item required for each process are provided as a standard set. An exhaustive user manual is provided along with this lab with easy to understand steps to make PCB without any error.

SPECIFICATIONS

Laminates

- High sensitive photo resist coated
- Short exposing time : 60~90 Second
- Color varried after exposure
- PCB Thickness : 1.6mm
- Copper Thickness : 3.5um
- Track Thickness : 0.4mm

PCB Type and Size

- PS - 10X15CM : 10 each

PCB Artwork Paper

- Transparent papers : 100
- Size : A4

UV Exposure Box

- Supply voltage : 240V, 50Hz
- Power (Max) : 200W
- UV source : 15W Fluorescent Lamp
- Mask area : 22x37CM

Developer

- Chemical : DP-50
- Weight : 500gm

Etchant

- Chemical : EB-750
- Weight : 190gm+-10gm
- Quantity : 01nos.

Etching Tank

- Etching : ET- 20
- Tank Capacity : 2 liters
- Dimention : 360x280x40MM

Heater

- Temperature adjustment : 35°C to 55°C
- Waterproof double insulation
- Power lamp indicates ON/OFF cycle
- Heating elements with improved insulation
- Heater rating : 300W / 230V AC

Air Pump

- Voltage : 230V / 50Hz
- Power : 3W

PCB Drilling Machine

- Drilling capacity : 0 - 3mm
- Spindle speeds (in R.P.M)
- Lower speed stage (Stepless) : 200 - 4000
- High speed stage (Stepless) : 1000 - 20000