

PCB DRAFTING AND FABRICATION SETUP

Model Number : GOTT-PCB-FSU-01



DESCRIPTION

Education institutions wishing to familiarize students with PCB techniques are forced to buy the expensive machines available in the market. GOTT has long been familiar with educational requirements and budgetary constraints. Accordingly a PCB Equipment set up is introduced which is an assemblage of tools, chemicals, jigs, fixtures and small equipment which has a do-it-yourself approach. This set up takes the students from the circuit schematic stage to final PCB.

GOTT supplies enough samples and materials along with the set up to fabricate CPB's of 6"x4" size, corresponding to a class of 30 students with each student making 2 PCB's.

PRODUCT MODULES

PCB DESIGN KIT

This consists of the design and material for designing 60 PCB's for a class of 30 students. PCB Design Kit consists of circuit schematics & the following:

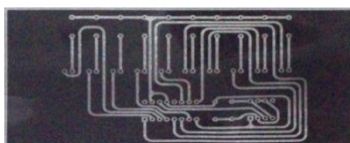
- Components such as Transistors, Diodes, IC's for dimensional purposes,50 Nos.



- Copper Clad sheets cut to 6"x4" size 60 Nos.



- PCB Drafting Stickers, Tapes 2mm, 3mm
IC Pads 8 Pins
Doughnut Pads 5mm
Transistors pads etc. to make 60 PCB's



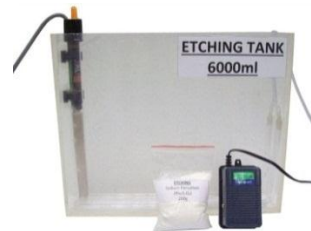
- Plastic films cut to 7"x5" size 60 Pcs.



PCB ETCHING MACHINE & ETCHENTS

It is required to etch the design after exposing, for this the set consists of the following :

- Etching Tank.



- Etching Trays etc.



- Chemicals required for etching, tinning etc.



- Small tools required sponges, brushes, gloves etc.



- Water bath etc. for washing after etching.

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PCB INSPECTION STATION

This consists of the equipment and material used to design the PCB's and then inspecting it after the PCB is made. It consists of the following:

- Illuminated Work Station 1 No.



- Illuminated Magnifier PCB Checker 1 No.
(Magnifies the job kept under it to 2 times its size, two and half inch area is magnified)



- 10x Magnifier (Magnifier 10 times) 1No.



- Hole Dia checker, Checks the dia. of 1No.
Component leads from 0.5mm to 4mm.



PCB DRILLING STATION WITH STAND

After Etching the design holes are to be drilled for insertion of components. After checking the diameter of the hole to be drilled by using the hole dia checker provided earlier, one can drill the holes. This station consists of the following:

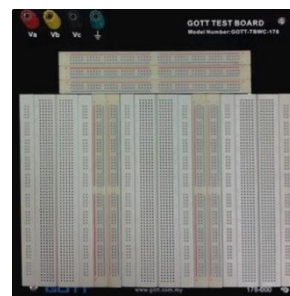
- High Speed motorized precision drilling machine.



- Small tools such as drill bits of various size, tweezers, cutters, pliers etc.



PROTOTYPE TESTING BREADBOARD



Component including :

ITEM	UNIT	ITEM	UNIT
Test Board	1 ea	Regulator IC	20 ea
Plastic Parts Container	1 ea	Diodes	20 ea
Resistor	20 ea	General purpose IC	20 ea
Capacitor	20 ea	LED	20 ea
Inductor	20 ea	Potentiometer	20 ea
Transistor	20 ea	Connecting Wires	20 ea
Bridge Rectifier	20 ea		

Manuals:

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms:

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty:

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
PCB DRAFTING AND FABRICATION SETUP	GOTT-PCB-FSU-01	210-001

* Proposed design only, subject to changes without any notice.