



**PCB ART WORK FILM MAKER**  
**Order Code - 71521**

It is a tabletop unit which serves as a negative making contact printer as well as an illuminated Artwork table for Circuit Artwork taping and Inspection of Films and Negatives.

The user can directly make Negatives for IX scale artworks. It has a working area of 300 mm x 250 mm (12"x10") with diffused light and a push button operated exposure.

The overall dimensions are : 380 mm x 230 mm x 330 mm  
Electrical Power : 230V/50Hz, 5A Socket required

**ARTWORK TABLE (ILLUMINATED)**  
**Order Code - 71522**

Tabletop artwork and PCB inspection table with bottom illumination and diffused light.

Max working area : 350 mm x 450 mm (14"x18")



**PCB SHEARING MACHINE**  
**Order Code - 71523**

Benchtop Guillotine type shearing machine to cut PCB's and Laminates. Compact structure with central handle allows ease of cutting.

Width : 300 mm (12")  
Size : 400 mm x 350 mm

**PHOTO RESIST DIP COATING MACHINE**  
**Order Code - 71524**

The machine is table top and compact. A single operation unit designed for coating of laminates with Photo resist. The machine ensures uniform controlled thickness of Photo resist on copper clad.

Max Board Size : 250 mm x 300 mm (10"x 12")  
Rectangular Tank Capacity : 2 liters  
Dips one PCB at a Time Electrical Power : 230V/50Hz, 5A Socket required



Note: Specifications are subject to change.

**Tesca Technologies Pvt. Ltd.**

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### DOUBLE SIDED UV EXPOSURE MACHINE

Order Code - 71525

A tabletop double sided exposing unit for high resolution exposure of PCBs. The new small footprint takes minimum space & power.

Maximum Size	:	300 mm x 250 mm (12"x10")
U.V. Tubes	:	2 x 4 (imported) actinic tubes with single/ double side Option
Chokes	:	Electronic Type
Timer	:	Provided
Electrical Power	:	230 V -50Hz, 5A Socket required

### DYE/DEVELOPER MACHINE

Order Code - 71526

A unique tabletop unit which gives you the convenience to dyeing and developing PCB laminates both in 1 machine. A diaphragm pump agitates the developing solution chamber. A separate dye chamber is also provided.

#### Technical Specification

Max. PCB Size	:	250 mm x 300 mm (10"x10")
Tank Capacity	:	2 Ltr. For Developer solution, 2 Ltr. For Dye solution
Air pump	:	Diaphragm type compressor pump
Mechanical Time	:	Provided to operate air pump



### ROLLER TINNING MACHINE

Order Code - 71527

It is a table top unit for Tin/ Solder coating of PCB's This coating also improves the solder ability of the PCB. The machine is ideal for polytechnics & engineering colleges. A hand operated flywheel allows easy coating of boards.

Maximum PCB Width	:	250 mm ( 10")
Maximum PCB Thickness	:	6 mm
Solder Bath Capacity	:	5 kgs
Heaters	:	2 x 500 Watts
Rollers	:	Silicon Coated
Bearings	:	Teflon
Electrical Power	:	230V - 50 Hz, 5A Socket required



### PCB ETCHING MACHINE

Order Code - 71528

For fast single and double sided PCB etching. Full PVC structure.

Useful etching area	:	250 mm x 300 mm (10" x 12")
Tank Capacity	:	20 Liters. Includes a heater and air flow compressor. All construction materials are corrosion free.
Heater	:	Titanium non-corrossive with thermostat control
Timer	:	Provided
Electrical Power	:	230/50Hz, 5A Socket required



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**PCB DRILLING MACHINE**  
Order Code - 71529

A compact tabletop High speed PCB drilling machine with a Quick change Chuck

- Drill holding by precision chuck with lapped jaws
- Mains operated DC motor Direct drive ( no belt and pulley)
- 3 Step Speed Control and Illumination of work Area

**Technical Data**

Motor Speed	:	upto 20,000 R.P.M.
Range	:	0.6 to 3.0 mm
Base	:	Metal
Working Area	:	280 mm x 170 mm
Electrical Power	:	230/ 50Hz, 5 A Socket required



**CHEMICALS FOR THE PCB LAB MACHINES**  
Order Code - 71530

**Board Preparation & Cleaning**

- Single Sided PCB Laminate : 5 Nos.
- Paper Phenolic 300 × 300mm (1 × 1 feet)

**For Dark Room:**

- Safe Lamp : 1Unit
- Lith Film 250 × 300 mm (10 × 12") : 10Nos.
- Lith Film Developer A & B (5 Liters) : 1Pkt
- Lith Film Fixer : 1Bottle
- Developing Trays : 3 Nos.

**For Photoresist Dip Coating Machine**

- Liquid Photoresist : 2 Liters
- Photoresist Thinner : 1 Liters
- Photoresist Developer : 5 Liters
- Photoresist Dye : 5 Liters

**For Etching Machine**

- Etching Crystals : 5 Kgs.

**For PCB Drilling Machine**

- Drill Bits : 2 Nos.
- 0.80mm : 2 Nos.
- 1.00mm : 2 Nos.

**For Roller Tin Machine**

- Solder 63.37 : 5 Kgs.
- Roll Salt : 2 Kgs.
- Flow Coat : 0.5 Liter.

**PCB DRAFTING AIDS KIT**

Order Code-71531

The PCB Drafting Kit includes various tapes, pad and other materials for making PCB Artworks.

**PCB CURING MACHINE (OVEN)**

Order Code -71532



Tabletop unit for curing of liquid photoresist, pre-heating substrates etc. A timer controlled heating system allows fast and efficient curing. Complete metal construction.

Max : 250 mm x 300 mm (10" x 12")

Heating	:	Heaters with thermostat controls
Fan	:	For air circulation
Timer	:	Provided
Shelf	:	Included
Electrical Power	:	230/ 50 Hz. 5A Socket required

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**Single Sided Ultra Violet Exposure Machine**  
**Order code - 71533**

For exposure of single sided photosensitive PCBs

U.V. Tubes	:	4 Nos X 8 Watts Actinic tubes
Tube length	:	300 mm (12")
Area	:	300 mm X 255 mm (12" X 10")
Contact	:	Pressure Type
Timer	:	0-4.0 minutes
Electrical Power	:	230V-50Hz, 5A Socket required



**10) Solderable laquer Tank Order Code - 71534**

This is a table top unit which is used for protecting the PCB from environment. This chemical coated on PCB ensures protection for long time.

Supply	:	230V AC $\pm$ 10% 50Hz
Timer	:	Adjustable from 1 Sec to 30 Sec at interval of 5 Sec.
Display	:	16 X 2 LCD for timer
Buzzer	:	For indication
Dipping area	:	12" X 10"



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