

LAMINATOR (APPLICATOR)



Tamerica
PRODUCTS, INC.

Heavy-duty, 4-roller laminator for use with the "[PCB Fab-In-A-Box](#)" for making fast, high-resolution non-photographically imaged circuit boards with circuit trace-width & pitch down to .005". A process called "Direct Etch". This laminator/appliator is also for use with the "[DecalPro](#)" kit to create professional looking, pressure-sensitive dry-transfer graphics & text/nomenclature 'on-demand', ideal for project faceplates, panels - any surface from steel to a wax candle in under 10 minutes.

These two process techniques (kits) use a specialized toner transfer paper that runs through most laser printers or photo-static copiers. In the case of making PCB's, the toner is refused from the paper to the copper surface and release from the board in a 1-minute water bath. This applicator/laminator provides the very high pressure and heat to create the images. The whole story is outlined on our website at [PCBfx.com](#). For the "DecalPro" process, the same requirements of heat & pressure are needed from this laminator to create graphics for transfer and is detailed at [DecalProFx.com](#)

Can a house-hold iron be used? Well, yes & no. Even though PCB patterns can be transferred with an iron with repeatable results, it has limits due to its low stability of heat and pressure being manually apply over the board. Trace widths of a circuit pattern have to be limited to about .015". (For the DecalPro process, the lamiantor MUST be used.)

This 12" wide laminator will make perfect circuit etching masks when using our [Toner Transfer Paper](#) and then applying the [Green or White](#) 'TRF' protective films for making extremely impressive boards. The Green foil goes over the PCB pattern and then through the laminator to fuse the foil thus preventing pitting of etchant getting through raw toner images. Optionally you can add a 'silkscreen' image on the top of the board with the same process, adding the WHITE foil to give you the look of a professionally fabricated board.

ALL "PulsarProFX" PRODUCTS:

KITS:

- PCB "Fab-In-A-Box" [50-1003](#)
- PCB "Fab-In-A-Box" (MINI kit) [50-1006](#)
- Combo (PCB + DecalPro) [50-1004](#)
- DecalPRO (10min Graphics) [50-1001](#)

LAMINATOR:

- Applicator (12" 120 vac) [50-1301C](#)

SUPPLIES:

- PAPER: Toner Transfer Paper [50-1101](#)
- FOIL: GreenTRF (Etching) [50-1225](#)
- FOIL: WhiteTRF (Silkscreen) [50-1226](#)
- FOILS: "DecalPro" [50-1201](#) ~ [50-1299](#)
- CARRIER BOARD: "DecalPro" [50-1503](#)

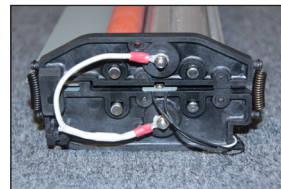
COPPER CLAD: 8" x 10"

- 2pk Rigid .032" Single Sided [50-1501](#)
- 2pk Rigid .032" Double Sided [50-1502](#)
- 2pk Flex .005" Single Sided [50-1504](#)
- 2pk Flex .005" Double Sided [50-1505](#)

COPPER CLAD: 6" x 8"

- 4pk Rigid .032" Single Sided [50-1507](#)
- 4pk Rigid .032" Double Sided [50-1508](#)
- 4pk Sampler (Mixed)... [50-1506](#)
(.005" SS+DS and .032" SS+DS)

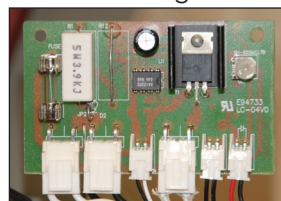
Overheat Sensor



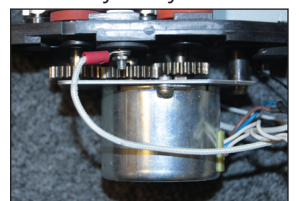
Steel Gears



PWM Heating Circuit



Heavy-Duty Motor



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For more information about our techniques we invite you to visit our website at [PulsarProFX.com](#) or call us at (850) 926-2009, 9am-5pm MST