

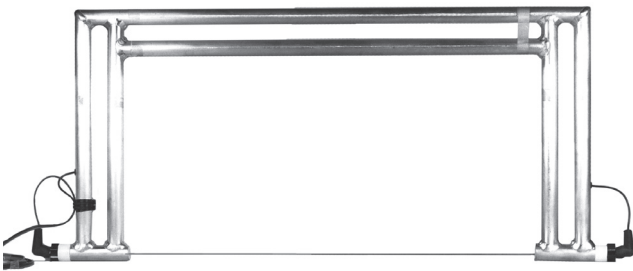
# COMPOSITE TOOLS

## AIRCRAFT DESIGNER APPROVED TOOLS

The tools offered in this section have been selected by professional aircraft designers and builders as being either necessary or highly desirable for working with composite structures.



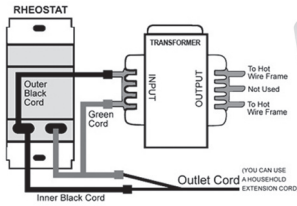
### KUT-MASTER FOAM CUTTING FRAME



These custom-built foam cutting frames can help produce professional results in foam cutting for the amateur builder. Constructed of 1-1/8" O.D. aluminum tubing, the heli-arc welded frame is lightweight yet extremely durable. The frames come completely pre-wired and ready to attach to the voltage controls shown below, and a tensioning system maintains uniform wire tension throughout the cutting process. The frames are stocked in 3 standard lengths, and custom frames are available on request (send sketch). Cutting depth is 11". Weight- 5 lbs.

- 2 Ft. Frame ..... P/N 01-15200 ..... **\$162.95**
- 3 Ft. Frame ..... P/N 01-15300 ..... **\$178.95**
- 4 Ft. Frame ..... P/N 01-15400 ..... **\$211.95**

### HOMEBUILDERS SPECIAL HOTWIRE KIT



An excellent new hot wire system consisting of a controller and transformer. Recommended by Rutan Aircraft Factory as a good system at

a very economical price .  
P/N 01-15600 ..... **\$41.95**

### SAFETY WIRE



Type 302 stainless steel safety wire, for hot wire cutter. This is superior to nichrome wire, which is brittle and breaks easily. Specify .032" or .041" diameter wire.

- .032" Dia. Wire, 25 Ft. Coil..... P/N 01-15725..... **\$0.96**
- .041" Dia. Wire, 25 Ft. Coil..... P/N 01-15825..... **\$0.96**
- 1 Lb. Spool..... P/N 05-02687..... **\$7.50**

### INCONEL 600 HOT WIRE



Does not stretch. Excellent for hotwiring polystyrene foam.

- .032" Dia. Wire ..... P/N 01-15805..... **\$0.31 ft.**
- .041" Dia. Wire ..... P/N 01-15810..... **\$0.24 ft.**

### MUSIC WIRE



Music wire is high carbon steel and although very high in tensile strength, must be capable of wrapping around itself without showing signs of cracking. 156 ft. of .049" dia. wire per lb., 46 ft. of .090" dia. wire, per lb. 22 Gal.

- .049" Dia. (1 lbs.) ..... P/N 03-49500 ... **\$4.45**
- .090" Dia. (32Ga., 1lbs.) .... P/N 03-49600 ... **\$2.65**

### TYPE 302 STAINLESS SPRING WIRE

- 062" Dia. .... P/N 03-49610 ..... **\$0.25 ft**



### MICHAEL ENGINEERING EPOXY RATIO PUMPS

This highly recommended pump, aptly called "Sticky-Stuff Dispenser", will save about \$50 in epoxy in building a VE type aircraft, plus time, mess, dermatitis, temper and risk of bad batches. Used by individual craftsmen and professionals alike, it is a practical engineering tool especially designed to eliminate the sticky, messy, costly hand proportioning of epoxy resins. It is well built and should last through the construction of dozens of aircraft. The Sticky-Stuff Dispenser assures accurate measurement of low-viscosity (under 3,500 centipoises) unfilled epoxy resin. The standard Model A dispenser pump delivers a ratio of 100 parts of resin to 44 parts of hardener.

- Adjustable Ratio Pump ..... P/N 01-16010 ..... **\$283.95**
- Rebuild Kit for 45:100 pump ..... P/N 01-00504 ..... **\$69.95**
- Small replacement container (qt)..... P/N 01-15920 ..... **\$10.75**
- Large replacement container (gal)..... P/N 01-15910 ..... **\$16.50**
- Stainless Steel Check Valve (Use with Jeffco epoxies)  
P/N 01-00258 ..... **\$52.75**

### CALRAD VARIABLE VOLTAGE CONTROL



A fine quality control to supply the electrical current for hot-wire cutting of styro-foam and PVC foam. One unit can serve to build many aircraft. Input 115 volts AC Output variable from 0 to 130 volts AC at 5 amps Caution - fuse should be inserted in the secondary to protect the control in the event of a short circuit.

Input: 117V AC 60Hz 3-Prong AC cord. Output: 0-130V AC Adj 60Hz; volt meter, power jack. Fuse Protection AGC: 5 Amp. Max: 500VA P/N 01-15500 ..... **\$149.95**

### COMPOSITE TOOL KIT

This kit includes an assortment of many of the commonly required tools used in composite construction.

QTY.	PART NO.	DESCRIPTION
1	20W	Glass Shears
1 box	01-25800	500 Mixing Sticks
2 boxes	01-25700	12 oz. Mixing Cups
2 boxes	01-25710	16 oz. Mixing Cups
10	01-24899	.3" Plastic Squeegee
10	09-21200	.1" Disposable Brushes
10	09-21300	.2" Disposable Brushes
1	12-01580	Electronic Scale
2 boxes	01-36550	Latex Gloves
1	GLR123D	1/2" x 3" Laminating Roller
1	GLR12C	1/2" Corner Roller
1	GLR26	2" x 6" Plastic Grooved Roller

Kit - P/N 01-00166 ..... **\$250.95**