

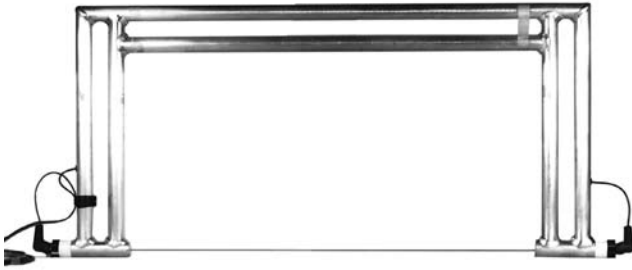
COMPOSITE TOOLS

CM

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.

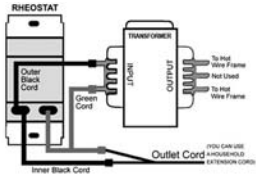
KUT-MASTER FOAM CUTTING FRAME



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
- 3 Ft. Frame P/N 01-15300
- 4 Ft. Frame P/N 01-15400

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



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
- .041" Dia. Wire, 25 Ft. Coil..... P/N 01-15825
- 1 Lb. Spool P/N 05-02687



INCONEL 600 HOT WIRE

Does not stretch. Excellent for hotwiring polystyrene foam.

- .032" Dia. Wire P/N 01-15805 ft.
- .041" Dia. Wire P/N 01-15810 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
- .090" Dia. (32Ga., 1lbs.) P/N 03-49600

TYPE 302 STAINLESS SPRING WIRE

- 062" Dia..... P/N 03-49610..... 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
- Rebuild Kit for 45:100 pump P/N 01-00504
- Small replacement container (qt)..... P/N 01-15920
- Large replacement container (gal)..... P/N 01-15910
- Stainless Steel Check Valve (Use with Jeffco epoxies)
P/N 01-00258

CALRAD VARIABLE VOLTAGE CONTROL



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

Size: 6"h, 5"w, 6"d
Input Cable: 6ft. heavy duty 3-prong
Output Jack: 3 -prong AC jack
Fuse Protected: 5A, 3AG: On/Off
Rocker Type Power Switch
AC Voltmeter: 0-150 VAC.

P/N 01-15500.....

COMPOSITE TOOL KIT

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

QTY.	PART NO.	DESCRIPTION
120W	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	01-248993" Plastic Squeegee
10	09-212001" Disposable Brushes
10	09-213002" 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.....