

# COMPOSITE TOOLS

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## 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.

Dimensions	Part Number	Price
2 Ft. Frame	01-15200	---
3 Ft. Frame	01-15300	---
4 Ft. Frame	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.

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 Ga.

**Price is per pound.**  
.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.

**Note: This pump is for a 2:1 ratio. 4:1 ratio is available, please request in special instructions at time of checkout.**

Adjustable Ratio Pump.....P/N 01-16010  
Rebuild Kit for 45:100 pump.....P/N 01-00504  
Small round replacement container (qt).....P/N 01-15920  
Large square replacement container (gal).....P/N 01-15910  
Stainless Steel Check Valve  
(Use with Jeffco epoxies).....P/N 01-00258

### COMPOSITE MATERIALS PRACTICE KIT



All designers highly recommend that builders who are considering a composite project purchase this practice kit. It contains the excellent 26 page 11" x 17" manual by Burt Rutan entitled MOLDLESS COMPOSITE SANDWICH HOMEBUILT/AIRCRAFT CONSTRUCTION (\$14.50) plus the assorted foams, epoxy, fiberglass, filler materials and supplies with which to work. Everything needed to practice the technique of composite building before venturing into a complete aircraft project.

Practice the technique of composite building before venturing into a complete aircraft project.

Practice Kit with Manual.....P/N 01-15000  
Practice Kit without Manual.....P/N 01-15100  
International Practice Kit with Manual.....P/N 01-15050

**Same as Practice kit with the manual, but excludes the epoxy for international shipping.**

### COMPOSITE TOOL KIT



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

**\*\*Note: not all items shown in picture\*\***

QTY.	PART NO.	DESCRIPTION
1	<a href="#">20W</a>	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

P/N 01-00166