

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.

KUT-Master Foam Cutting - 2 Ft. FrameP/N 01-15200 **\$226.95**
 KUT-Master Foam Cutting - 3 Ft. FrameP/N 01-15300 **\$249.00**
 KUT-Master Foam Cutting - 4 Ft. FrameP/N 01-15400 **\$269.00**

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 **\$336.00**
- Rebuild Kit for 45:100 pump.....P/N 01-00504 **\$82.90**
- Small round replacement container (qt)P/N 01-15920 **\$14.50**
- Large square replacement container (gal) ..P/N 01-15910 **\$21.55**
- Stainless Steel Check Valve
(Use with Jeffco epoxies).....P/N 01-00258 **\$65.90**

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 **\$53.00**



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 Kit with Manual.....P/N 01-15000 **\$118.00**
 - Practice Kit without Manual.....P/N 01-15100 **\$118.00**
 - International Practice Kit with Manual.....P/N 01-15050 **\$59.00**
- Same as Practice kit with the manual, but excludes the epoxy for International shipping.**

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 **\$1.25**
- .041" Dia. Wire, 25 Ft. Coil.....P/N 01-15825 **\$1.25**
- 1 Lb. SpoolP/N 05-02687 **\$9.35**

INCONEL 600 HOT WIRE

Does not stretch. Excellent for hotwiring polystyrene foam.

- .032" Dia. WireP/N 01-15805 **\$0.35 ft.**
- .041" Dia. WireP/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 Ga.

- Price is per pound.**
- .049" Dia. (1 lbs.).....P/N 03-49500 **\$6.50**
 - .090" Dia.(32Ga.,1lbs.)..P/N 03-49600 **\$4.45**



TYPE 302 STAINLESS SPRING WIRE

- 062" Dia.....P/N 03-49610 **\$0.38 ft**



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.....	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

P/N 01-00166 **\$201.95**