

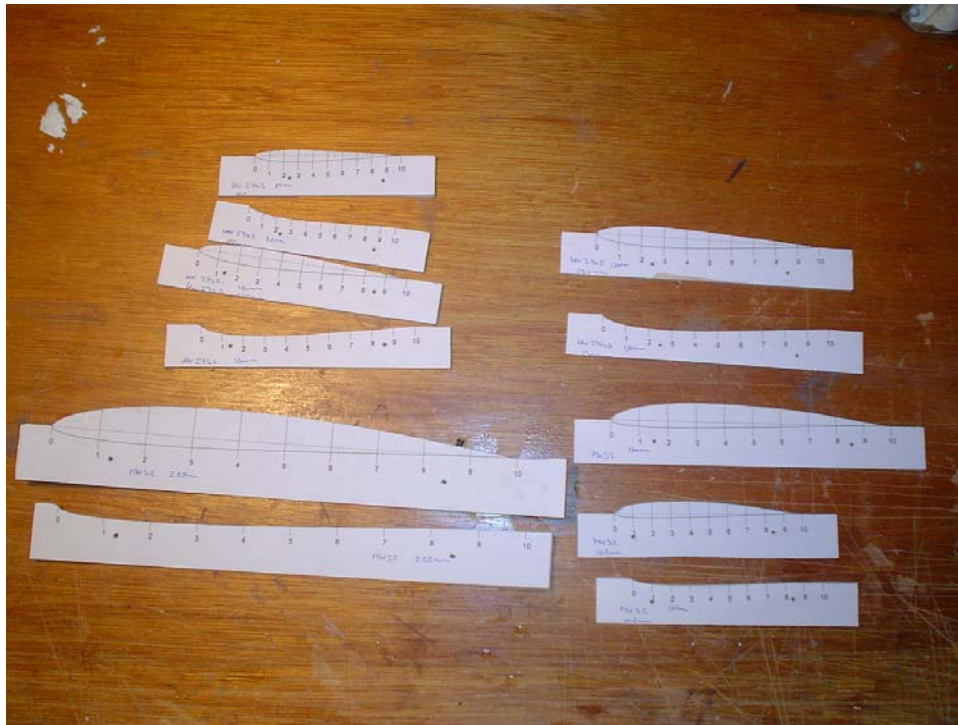
CONSTRUCTION:

The profiles for the templates will be made using profile software, available at www.profil2.com,



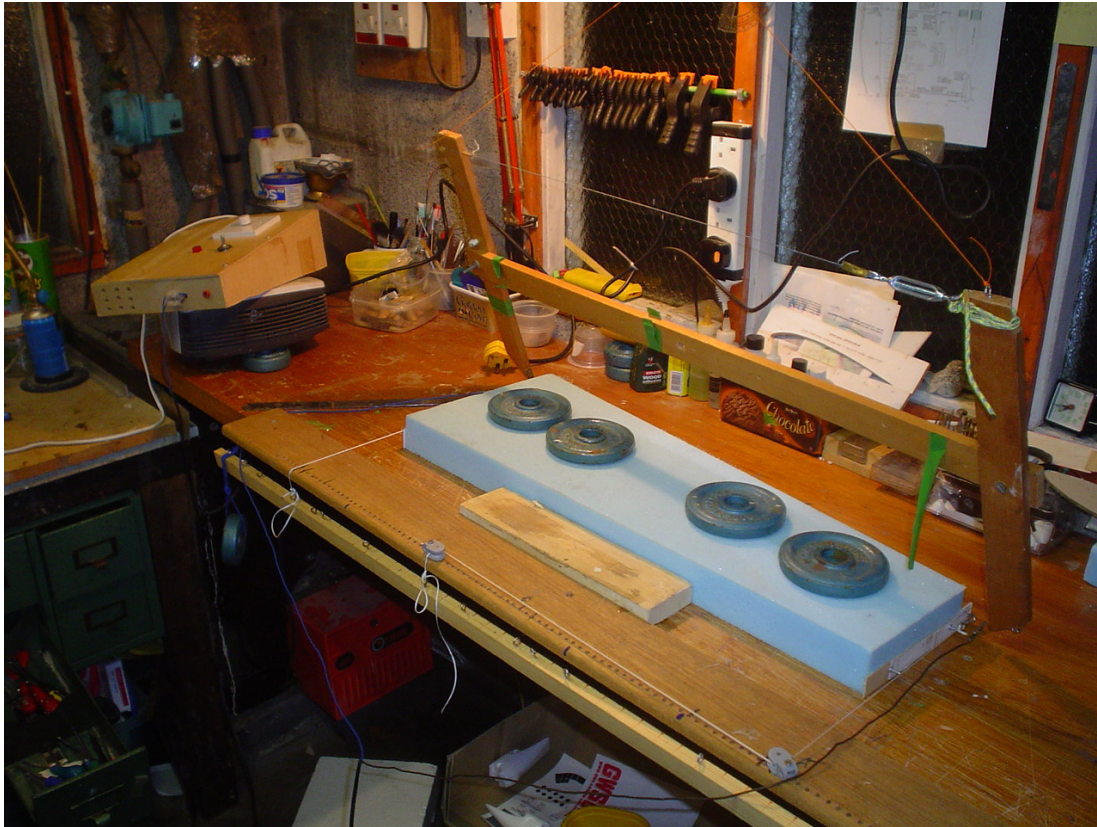
Screenshots of profili programme

The printed foils will be glued to 1/16th ply or formica and shaped. I will be using 2 templates for each end, a top and a bottom foil.



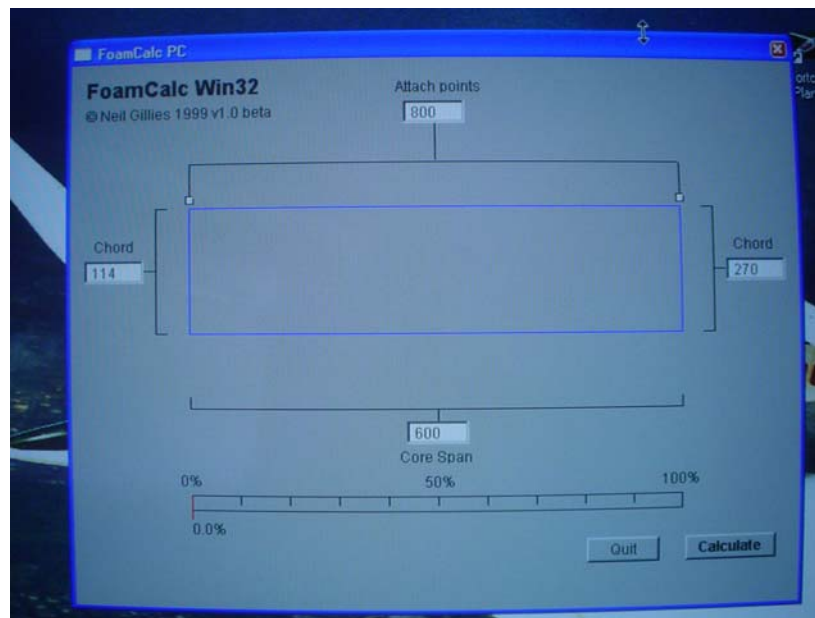
The templates which will be used

The foam cutter is a standard bow with nichrome wire and using my home built transformer. The transformer consists of a 150KVa dimmable halogen light transformer and a dimmer switch. I have 3 lengths of bow, a 12", 28" and a 40", all of which will probably be used in this build.



The cutter set up to start cutting panel 1 of the tips.

The tapered cuts are made by using a swing arm cutter and calculating the positions of the cables using foamcalc.exe available at the Seagull Technologies website, <http://www.seagull.demon.co.uk/Files/FoamCutter/FOAMCALC.ZIP>





The 3 panels of the left wing with the groove cut for the carbon tow spar

I intend to vacuum bag the wings. This may seem beyond the home builder, but my pump came from ebay for less than £20 and others bits and pieces came from Tygavac (www.tygavac.co.uk) with glass, carbon etc from Freeflight Model Supplies (<http://www.freeflightsupplies.co.uk/>) , Fibretech (<http://www.fibretechgb.co.uk>) and Ebay. I may also have to set up some kind of “hot box”, as my garage isn’t the warmest in the winter!



The “buzzard” fuz I bought from Kevin Beale at RadioGlide in Redcar 1995!!!

[More to come in Part 2](#)