

One hour projects

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One hour projects

These are projects that basically can be done in about an hour depending on your skill level. Most of what is here can be done with basic hand tools. The first of this series is going to be the wind turbine blade sets. As shown below the frame structure is very basic and is covered in poly fabric used in aircraft construction.

The actual name for this procedure is "stits" covering. The fabric is glued into place on the frame work then simply shrunk to fit and it gets extremely tight when completed.



The above blade was built in under 20 minutes using the "tube and wire" method. That's from cutting materials to the blue assembly. It will still need paint but all 3 blades can be built in about an hour. The blade will follow a twist from 2 degrees at the tip down to 23 degrees at the tip. Its set to run at a TSR of around 6 and is

a total of 5ft in diameter. Other sets can be made of any length up to around 12 feet using this method and properly calculated components for stress loading. These will withstand winds in excess of 70 mph.

more later