



# Dragon Powered Laser Cut Trinket Box Maker instructions

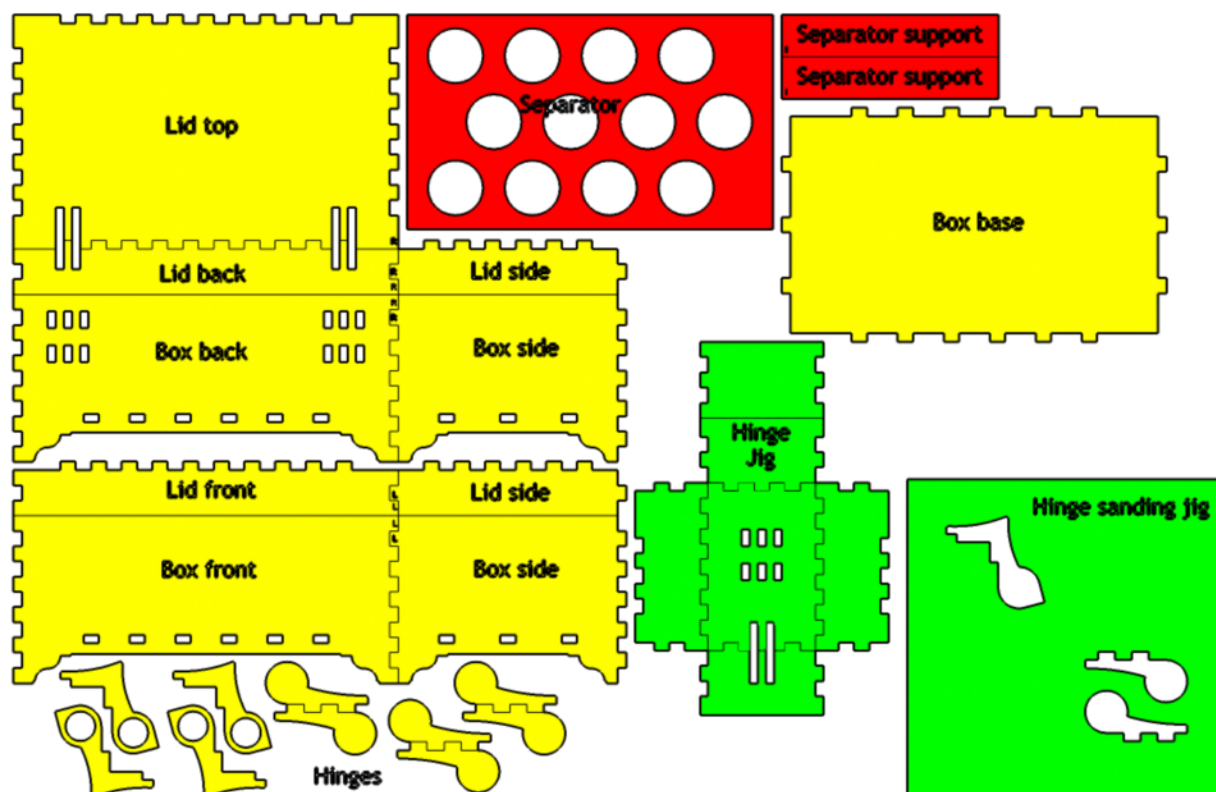
Copyright (C) 2017 Mike Wilson, [mike@dragonpowered.co.uk](mailto:mike@dragonpowered.co.uk)

All rights reserved

## Tools & Materials

This box has been designed to be cut from a 600x400mm sheet of 4mm birch ply. It is possible to cut the box from several smaller sheets. To use smaller sheets, it will be necessary to redesign the layout. If you would like me to do this, please e-mail me. The layout assumes the grain runs along the long side.

If you are making a trinket box rather than an essential oil box, you don't need to cut the parts highlighted in red. If you have made my 4mm all-ply hinges before, you don't need to cut the parts in green if you still have the hinge gluing jig and hinge sanding jig.



## Assembly

The standard ply box instructions which are included in the download are all you need to assemble the box. If you are making an essential oil box, glue the two separator supports that support the separator after assembling the box. When the glue is dry, glue in the separator.

### Lid gluing jig

To cut the lid gluing jig and clamping spreader you will need 300x400mm of 4mm laser quality MDF. The jig and spreader aren't essential and I do recommend you use them.

The spreader makes sure the pressure of the clamps presses the top of the lid down and prevents the pressure going on the lid side fingers instead.

The gluing jig is intended to make sure the lid is held flat while the glue dries. An alternative would be to place the glued lid on a flat surface and weight it down using the spreader.

It is important for the jig to be flat if it is to be useful in creating a flat lid. After applying glue to the fingers and assembling the jig, press the parts together and check for gaps. Then place the assembly on a known flat surface such as workbench or desk, weight it down and leave for the glue to dry.

## Resources

In the UK good quality laser grade birch ply and MDF are available from Hobarts, <http://hobarts.com>

In other territories, I anticipate ply and MDF will be widely available.

Sundries like rubber bands, wood glue and finishing oil are widely available including from eBay.