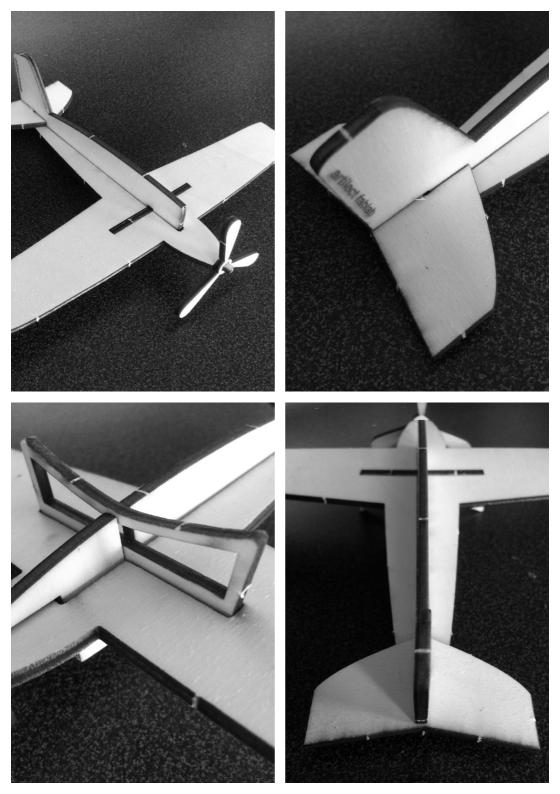
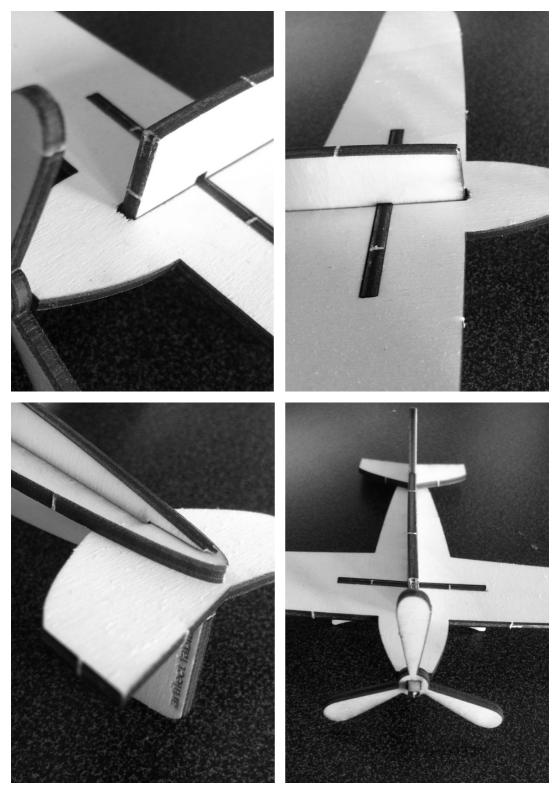
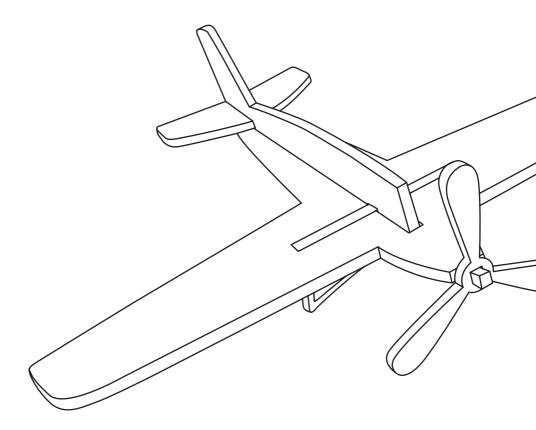
the wood plane

plans and manufacturing details





make the same plane

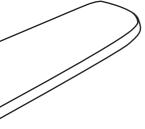


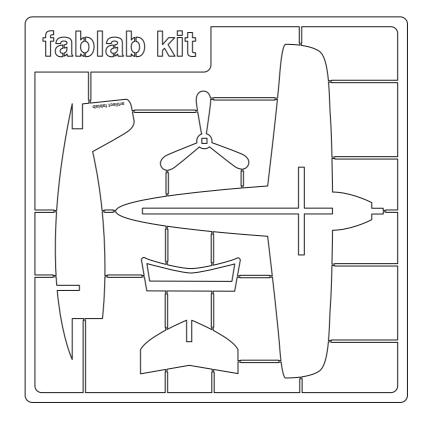
to build your own plane you need:

- instructions at https://github.com/laurasavignac/wood-plane
- a laser cutting/engraving machine
- a plate of wood (230 x 230 mm)

- After downloading the plan, do not change the dimensions. If you make it smaller, the link between the pieces and the structure will be too thin to hold and if you make it bigger the link will be too large and the pieces will not separate easily from the structure.
- The wood plate must have a thickness of 3 mm or you will not be able to assemble the pieces together

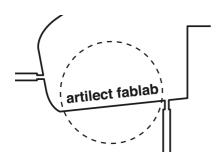
If you want to change anything, no problem, just go on the next page to get some details about the plan!





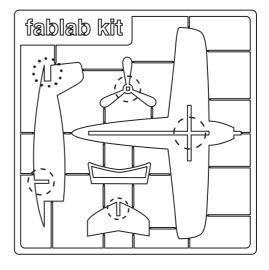
2 transform the plane

You can make your own plane plan using Adobe Illustrator. The laser cutting/engraving machine will cut following every 0,001 mm path of your document. The shapes you want to cut must be empty (no fill). To engrave on the wood, do not use path around the shape but just a black fill of the shape you want to engrave.

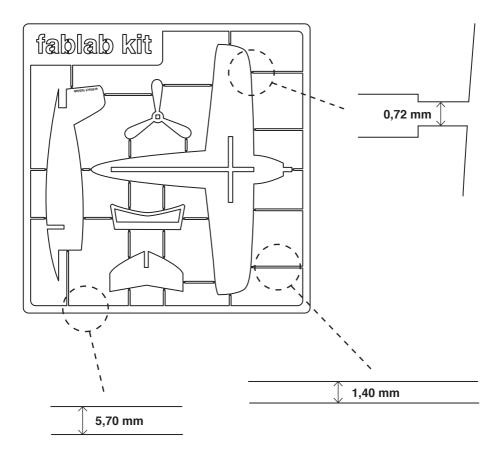


The engraving part on the basic plane is for Artilect Fablab Toulouse. You can change it to write anything you want. The type used is Helvetica Bold.

- Each hole must be the same size and the same thickness as the wood plate.
- This hole must be twice as large as the others (twice the wood plate)



The most conplicated on the plane plan is the links between the structure and the pieces. They must have a thickness of 0,72 mm to let easily the pieces separate from the structure.



Any material can be used to create a plane as long as the laser cutting machine is able to cut and engrave it safely.

