

BANSHEE GUITAR BUILD 2021

OVERVIEW

Simon Congdon and Simon Owen have collaborated over two guitar builds and have built a total of four guitars to date. Simon Owen is a Master Craftsman with a total of five guilds in cabinet making, and is possibly the most skilled wood & cabinet maker in the south of England. Simon Congdon is an aircraft pilot trainer and has been playing guitars for 30 years. In 2019 the two Simons built their first guitar as a project to explore the possibility of producing a guitar for professional musicians

PROJECT BRIEF

TEMPLATES

In order to build consistently high quality guitars, we need router-cutting templates to use for every guitar build. Templates are required as follows:

- Neck template for neck shaping
- Neck template for fret marker routing*
- Neck radius templates
- Individual fret marker templates*
- Headstock template for headstock shaping and hole drilling
- Guitar body template for body shaping
- Guitar body template for pickup routing (one for Humbuckers and one for single pickups)
- Guitar body template for routing neck pocket
- Guitar body isoline templates for routing curved body (multiple layers)
- Guitar template for routing out body cavity and cavity plates
- Lazer cutting template/software for logo inserts onto headstock.

Many of the body templates can be combined for ease of use, for example the neck pocket and humbucker routing templates.

*In addition we need to be able to lazer cut all the inlays extremely accurately in order to place them in the lazer cut fret marker cavities on the neck.

3D INTERACTIVE MODELS

It would be extremely useful to be able to show clients a 3D interactive drawing of the guitar; the client would be able to click-select different pickup styles, potentiometer placements and wood types which would then be illustrated on the 3D model.