

Royal Crown Project

Project aim: To make an 11cm wide crown.

The customer supplied a piece of clip art that represented roughly what he wanted and gave us a budget of \$500



Sample 1:

We started off by selecting a suitable crown from our clip art collection, vectorised it in our computers, gave it a gold and black colouration, printed it on self adhesive vinyl and finally cut it to the crown shape on our Roland Camm vector cutter. Looked good but not good enough.



Sample 2:

Went back to the crown and gave it full colour and recut.



Sample 3:

This time we gave our vectorised clip art a 3D shape in our computers and sent the resulting file to our CNC machine to carve out the 3D shape in furniture grade pine timber. This gave us a product which was capable of being painted or stained, fully dimensional and suitable for outdoor use if required. Looked a quality wood carving.



Sample 4:

We decided to go one step further and made a silicone mould of the wood carved crown using CraftSil 75. With this mould we made a cold metal casting using brass powder and resin. On removal from the mould we selectively polished the crown using steel wool. It looked fabulous.



We sent the four versions to the customer who expressed his entire satisfaction. To this day we do not know which version he selected for ultimate use.