CHAPTER 6
CONCLUSIONS AND SUGGESTION

6.1. Conclusions

a. The 3D CAD data of the Emirate Large Plate (Dia-25cm)

This data can be used as a documentation file for the company in order to modify or remake product at the future.

The size of the this data is in biscuit size. The 3D CAD data of the Emirate Large Plate (Dia-25cm) can be seen at Figure 6.1.
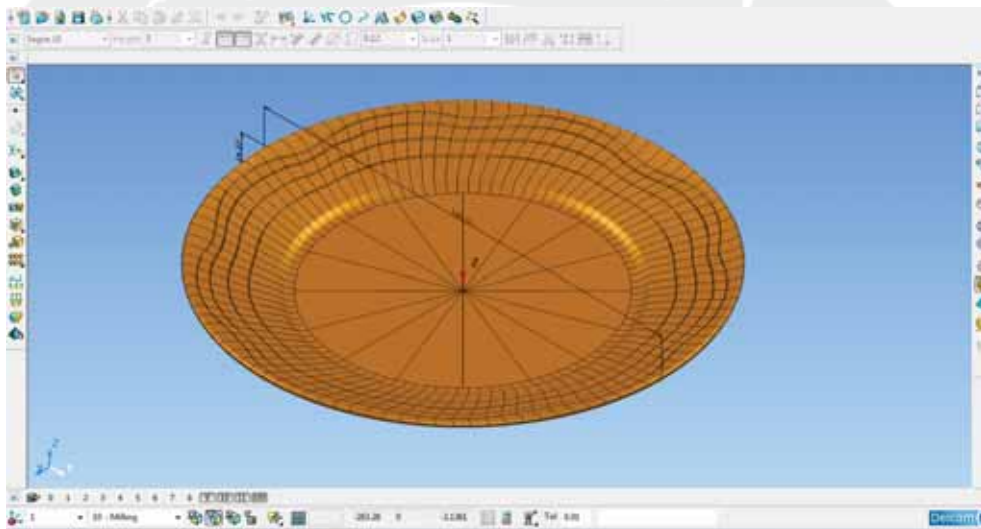

Figure 6. 1. 3D CAD data Emirate Large Plate (Dia-25cm)

b. Milling Model of Emirate Large Plate (Dia-25cm)

The milling model of Emirate Large Plate (Dia-25cm) is made using the model size (shrinkage 11.15% for bone china material since 17 October 2013)
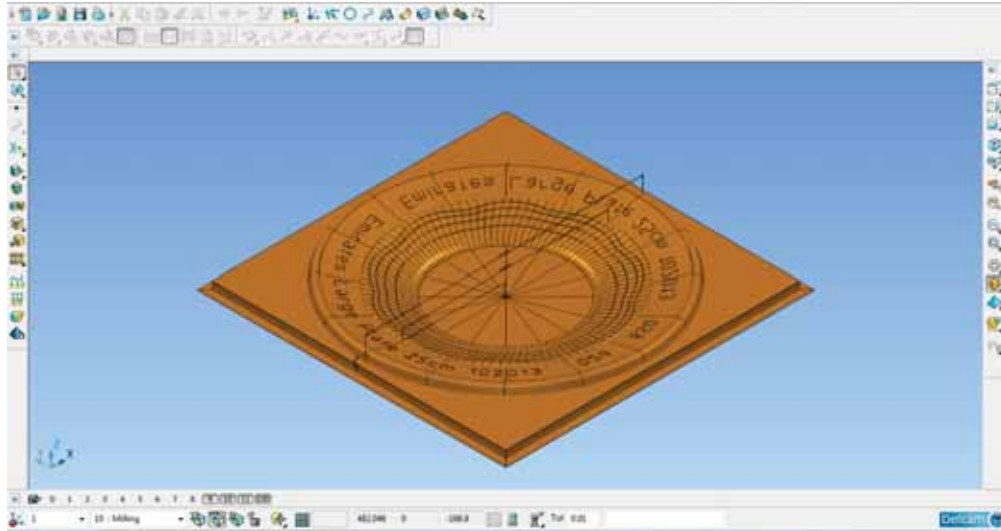
Figure 6. 2. Milling Model Design of Emirate Large Plate (Dia-25cm)

c. The total trial cost for Emirate Large Plate (Dia-25cm)

This costing calculation is used to predict the cost of the trial process (included material cost, milling model cost, plaster case making cost, mould making cost, clay making cost). The total trial cost for making Emirate Large Plate (Dia-25cm) is $ 2132.576. Therefore, around $392.428 can be safe from trial process with reverse engineering approach.

6.2. Suggestion

The weakness of the research that has been held is it does not explain about the milling strategy for the prototype model .

It is possible to do more research in the strategy of the milling process for the prototype making process so it can show the best milling process strategy for Emirate Large Plate (Dia-25cm) both for time and for toolpath strategy.

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