Comparison of Go-kart Exterior Forms Generated Using Computer Software and Clay Model

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ABSTRACT

In the transportation design, full-scale model is normally made and scanned to obtain geometric data. Surface fairing is then made on computer basic on scanned geometric information. Upon rapid development of computer aided styling design, it possess the possibility to do the styling design, directly on computer and skip the process of making clay model. The research aims to investigate this possibility. Take front panel of go-kart as example, model generated on computer and developed using clay were compared. The results show that computer software do provide useful tools for checking the quality of geometric surfaces. However, for some special features of exterior form, clay model is still need to well define the surfaces.

Keywords : Computer aided styling design ; clay model ; transportation design ; go-kart

Table of Contents

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