



COMPOSITE BODYWORK DESIGN AND CREATION PROCESS IN FSAE. CASE STUDY AGH RACING

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ABSTRACT

In this paper there is manufacturing of bodywork of a race car presented with a case study of AGH Racing team. Design and creation process begins form virtual prototyping of a model though mold manufacturing and ends up on infusion process.

In order to achieve intended properties of composite materials a proper bonding of reinforcing layers has to be conducted during manufacturing process. It is one of the fundamental quality evaluation criterion while considering fabrication processes.

KEYWORDS: Composite Parts, Manufacturing, Infusion, Mould, Hot Wire Cutter