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A Review of Influential Parameters in Drilling Delamination on Fiber Reinforced Polymer Composites

S. Raguath^{1*}, C. Velmurugan², T. Kannan³

^{1,3}Mechanical Engineering, SVS College of Engineering, Coimbatore - 642109,
Tamilnadu, India

²Mechanical Engineering, Kumaraguru College of Technology, Coimbatore - 641049,
Tamilnadu, India

Abstract:In global developments, the composite materials are plays a vital role in science and technology. In the field of composites materials, fiber reinforced composites are occupy a major portion on development of materials and its products. For the real time applications, the developed composites converted to suitable components with high accuracy by means of machining. In that machining, the drilling is one of the operations are commonly used in many industries due to their applications. On behalf these, the present work are aimed to get a clear idea about fiber reinforced composites on machining study. The study is mainly covers on drilling delamination factor on fiber reinforced polymer composites. Its deals with influential of process parameters, material parameters, types of fabrication and optimization techniques are discussed. From this study, the feed rate is one of the most influential controllable factors among all the process parameters such as applied load, sliding distance, drill bit diameter, point angle, and chisel edge.

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