

Influence of Cemented Carbide Tip Tool on Machining Ti6Al4V Alloy under Different Cutting Parameters

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ABSTRACT

This paper presents the findings of machining *Ti6Al4V* titanium alloy by using cemented carbide tip tool in medium duty lathe under different cutting parameters. It has been observed that the machining *Ti6Al4V* alloy at low cutting speed and low depth of cut reduce tool wear resulting in the increased tool life.

Keywords: *Ti6Al4V*, machining and cemented carbide tip tool