

# Review of: "Machinability of Ti6Al4V Alloy: Tackling Challenges in Milling Operations"

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**Potential competing interests:** No potential competing interests to declare.

Lack of clarity in the title?

(2) No novelty in the work reported; it has been clearly established that there are machinability issues with regard to the machining of Ti-based alloys, particularly Ti6Al4V. What is new in this paper?

(3) Poor drafting of the paper - please do not use capital letters in the middle of sentences?

(4) The paper looks like a review paper; even then, there is no proper structuring of the paper, and hence there is no clear flow in the content presented?

(5) What is the significance of Fig. 1? Explain the figure?

(6) What is meant by "on abutment of literature study"? (This sentence is still unclear to me, but I have corrected the grammar.)

(7) What is 'bad MRR'?

(8) Too many repetitions of information?

(9) What do you mean by "application of shearing parameters"?

(10) Significant typo errors?

(11) Fig. 3(a) citation missing?

(12) Titles of figures need to be relooked into properly; for example, the title of fig. 6(b) is not clear. What do you mean by "influence on machinability of Ti6Al4V during 3D milling"?

The title of the paper should clearly reflect the work that is being reported. Nowhere is it mentioned that it is a review paper.

Sections and subsections need to be clearly identified, and with proper literature review, information needs to be presented.

Effective use of figures, tables, and photographs to justify the information provided.

Clearly identify the challenges you face while machining Ti6Al4V and clearly explain how the use of milling can help in overcoming those challenges with proper selection of cutting tool materials, cutting conditions, and also the use of lubrication/cooling. Keep sustainability principles in mind.