

Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_86482
Title of the Manuscript:	Automatic Grinder Based on Ansys-Workbench Base structure optimization design
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy>)

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Ignore yellow highlights <ul style="list-style-type: none"> In the Ansys analysis, the representation in figure 7 and 8 must be in true scale In page 5, section 2.3, there is no mention of the allowed deformation and the basis for arriving at that number or its sources The YS of 300MPa is assumed without any consideration of the safety factor. It would be better if an FOS analysis is also performed in Ansys which would make it easier to interpret the results. In section 2.3, there is no proof of any fatigue test since the above performed tests were done in static, therefore, how is it concluded that fatigue fracture won't occur? In section 3.2, there is no reference/proof/calculation of the categorization of the zones from 0 to 0.4, etc. References need to be mentioned in the script at the place of use of the corresponding reference. 	
Minor REVISION comments	Ignore yellow highlights <ul style="list-style-type: none"> The figures 1 2 and 3 need to be more representative of the function and movement to the constituent parts since it is hard to imagine the work flow and procedure. In figure 7 and 8, the strain and stress scales are not clearly visible making it difficult to analyze the result 	
Optional/General comments	Ignore yellow highlights <ul style="list-style-type: none"> Improving grammar and spelling mistakes 	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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