



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	2015_AIR_18480
Title of the Manuscript:	A MODEL FOR CALCULATING THE MACHINING TIME OF A LASER CUTTING MACHINE
Type of the Article	Original Research 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none"> 1. The grammar is at times a bit flawed 2. Reference should be numbered according to its appearance. 3. "assist gas" should be described as it appear many times 4. The introduction should contain short description of what this paper study and why it is needed to be study 5. In line 80, machining time for different thickness will not be the same. As the thickness change, the laser focal point is needed to be moved up and down. 6. From line 85-101, there's calculation without explanation. Many lines are not necessary. Please rewrite to make it more suitable for scientific publication. 7. Please explain how to record actual machining time. 8. References are not in the correct format. 9. It would be more convincing result if there's a result from more than 1 machine. 	<ol style="list-style-type: none"> 1. Grammatical flaws have been checked and edited. 2. References have been re-numbered according to appearance. 3. "assist gas" has been described in the introduction. 4. Lines 66-68 describe the aim of the study and the need for the study. 5. The beam parameters (current, pulse width and frequency) are selected depending on the thickness of the work piece; the cutting parameters (fixed focal point and cutting speed) determines the machining time. Therefore, the quality of the laser beam could be adjusted without necessarily moving the focal point. 6. Calculations have been re-written. 7. This has been explained in the methodology lines xx-yy. 8. Referencing format has been corrected. 9. Only 1 machine is available to the authors.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		