



SDI Review Form 1.6

PART 1:

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	2013_BJAST_5544
Title of the Manuscript:	Research on pearl detecting and grading based on monocular multi-view machine vision
Type of the Article	Research Paper

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	01 、 02 、 03 and 04 should be annotated on the Fig.2. - In section 2.3, the accuracy of the calibration of vision device should be described to convince the readers. - In section 3, what's the time required to execute this classification including the mechanical moving time and software calculation? The time cost is very important for the online system. - In section 8, last paragraph, there are a number of grammatical errors, which should be checked and corrected throughout.	- The Fig.2 is modified according to your comment. - According to your comment, we added the accuracy of the calibration in section 2.3. - The time of software calculation is provided in section 7.2, but the mechanical moving time is still unknown because our work is still in the stage of laboratory research, the actual system like Figure 3 shown is not manufactured. - The last paragraph in section 8 is modified.
<u>Optional/General</u> comments	In section 7.1, the experiment of lighting source show the lighting plays a most important role for the pearl recognition. The different lighting colour may be implemented to increase the recognition rate (the true positive rate).	Thanks for your comment and suggestion. We will use the lighting source with different colour to conduct some experiments.