BUKTI KORESPONDENSI PUBLIKASI INTERNASIONAL

Straightness Geometric Error Assessment for CNC Milling. Herman Budi Harja dkk.
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Notifikasi Submission Paper

ICOME 2021 submission 5 10 May, 2021 01:29

From: icome2021@easychair.org

To: Herman Budi Harja

Dear authors,

We received your submission to ICOME 2021 (International Conference
on Mechanical Engineering 2021):

Authors : Herman Budi Harja, Anisa Nurbaniah and Novi Saksono
Title : Straightness Geometric Error Assessment for CNC Milling Machine
Number : 5

The submission was uploaded by Herman Budi Harja
<herman@polman-bandung.ac.id>. You can access it via the ICOME 2021
EasyChair Web page

https://easychair.org/conferences/?conf=icome2021

Thank you for submitting to ICOME 2021.

Best regards,
EasyChair for ICOME 2021.

Inputan Reviewer

ICOME 2021 Reviews for submission 5 3 August, 2021 13:16

From: icome2021@easychair.org

To: Herman Budi Harja

Dear Herman Budi Harja,

Following the acceptance notification, here we send the review results of your extended abstract
submissions. Please prepare the full paper by strictly following the ICOME 2021 template and paying
close attention to the comments of the reviewers.

Again, we thank you for submitting your paper and are looking forward to meeting you at the virtual
conference.

Sincerely yours,
Achmad Syaifudin, PhD
Chairman of ICOME 2021,
reply-to: icome@its.ac.id

SUBMISSION: 5
TITLE: Straightness Geometric Error Assessment for CNC Milling Machine

---------- REVIEW 1 ----------
SUBMISSION: 5
TITLE: Straightness Geometric Error Assessment for CNC Milling Machine
AUTHORS: Herman Budi Harja, Anisa Nurbaniah, Novi Saksono and Andi Noviandi

---------- Originality ----------
SCORE: 4 (good)
---------- Significance and importance of the topic ----------
SCORE: 4 (good)
---------- Literature review ----------
SCORE: 3 (fair)
---------- Methods ----------
SCORE: 4 (good)
---------- Relevance of analysis and conclusion ----------
SCORE: 4 (good)
---------- Supporting figure and graphics have good qualities ----------
SELECTION: yes
---------- Follows correct referencing style and all references are cited in the text ----------
SELECTION: yes
---------- Written in correct scientific English and no typographical errors ----------
SELECTION: yes
---------- Overall evaluation ----------
SCORE: 2 (accept)
----- TEXT:
Revisi yang perlu dilakukan :

1. Spesifikasi mesin Milling harus ditulis karena setiap mesin memiliki tingkat ketelitian yang berbeda beda, spesifikasi ini diantaranya tipe, tahun, langkah sumbu x,y dan z dan lain lain.

2.Biasnya alat tes kekurusan berupa alat Autokolimator dengan sistem optik. Sementara alat ukur kelurusan yang dipakai laser interferometer, yang merupakan nama standar panjang internasional. Harap diklarifikasi lagi.

3. Cara Kompensasi kelurusan pada data mesin cnc Milling perlu diuraikan secara ringkas dan sistematis. Sehingga kesalahan bisa lebih kecil 1 mikron.
---------- REVIEW 2 ----------
SUBMISSION: 5
TITLE: Straightness Geometric Error Assessment for CNC Milling Machine
AUTHORS: Herman Budi Harja, Anisa Nurbaniah, Novi Saksono and Andi Noviandi

---------- Originality ----------
SCORE: 3 (fair)
---------- Significance and importance of the topic ----------
SCORE: 4 (good)
---------- Literature review ----------
SCORE: 3 (fair)
---------- Methods ----------
SCORE: 4 (good)
---------- Relevance of analysis and conclusion ----------
SCORE: 4 (good)
---------- Supporting figure and graphics have good qualities ----------
SELECTION: no
---------- Follows correct referencing style and all references are cited in the text ----------
SELECTION: no
---------- Written in correct scientific English and no typographical errors ----------
SELECTION: no
---------- Overall evaluation ----------
SCORE: 1 (weak accept)
----- TEXT:
1. The horizontal straightness is exactly for horizontal travel X and Y axis not for vertical axis Z. Please correct the statement. Otherwise also, there is no vertical straightness for horizontal travel X and Y axis.
You can also define as a vertical error of horizontal travel or horizontal error of vertical travel.
You may explain clearly the fig 1.
2. Explain exactly the term of "Bidir" in table 2.
3. All legend of Fig. 3 to fig. 8 must be translate in English.
4. Fig. 9 to 14 are not readable (too small font size)
5. Small explanation step by step how to measure the horizontal and vertical straightness from fig 2a and 2b.
6. Many grammatical error must be corrected.

Re: ICOME 2021 Reviews for submission 5 4 August, 2021 09:48

From: Herman Budi Harja

To: ICOME 2021

Dear Mr. Achmad Syaifudin,PhD,

Many thank for the detail information of Reviewers comments, we will improve our article refer to those advices.

Best regards,
Herman Budi H

Notifikasi untuk proofreading naskah artikel lengkap

Full paper submission and publication 28 August, 2021 20:12

From: icome2021@easychair.org

To: Herman Budi Harja

Dear Authors,

Thank you for participating in ICOME 2021. We would like to inform you that the full paper submission is now available. The template is already available on the ICOME 2021 website (https://elib.its.ac.id/conf/icome/?page_id=140).

It is kindly advised for the authors to prepare their full paper by strictly following the editorial rules. To meet international standard publication, we strongly recommend you to attach paper proofreading if your writing skill is below B2. As for the paper that does not follow the template and comply with the format, the editorial team will withdraw it from the proceeding publication.

The deadline for the full paper submission by at least 5th September 2021, please stick to this date and submit your paper on time. We will keep you informed of updates associated with the proceedings publication. Please do not hesitate contact us at icome@its.ac.id if you have any questions or problem.

Best Regards
Dr. Eng. Yohanes

Notifikasi bahwa paper telah direvisi

Re: Notification for full paper revision 4 October, 2021 19:42

From: ICOME ITS/ Seminar International Teknik Mesin

To: Herman Budi Harja

Dear Mr. Herman,

Thank you for revising your paper and sending it back to us. Your paper is in accordance with the template.

Best regards,
ICOME 2021 Committee

Notifikasi bahwa paper akan dipublish di TTP publication, sehingga harus Resubmit dengan template naskah yang disesuaikan Key engineering Material KEM.

Proses di ICOME proceeding 17 December, 2021 09:57

From: Suwarno

To: suwarno

Cc: herman@polman-bandung.ac.id | henry kurniawan | acepmoi@gmail.com | made@usd.ac.id | femi afriyanti | budiistana@umri.ac.id | khemsamrith123@gmail.com | idabagusmahartana 19021 | wedha adji | atriapradityana@gmail.com | Show more...

Salam,
Bapak ibu penulis dan corresponding authors proceeding ICOME yang akan dimuat di TTP publication, sudah kami kirimkan link untuk resubmit paper ke system TTP, https://www.scientific.net/

Mohon RESUBMIT kembali paper yang sudah SESUAI FORMAT KEM/MSF ke sesuai dengan link yang sudah dikirimkan.

Terimakasih,

--
Suwarno,
Dept. Mechanical Engineering, ITS, Surabaya
warno@me.its.ac.id, warnoise@gmail.com
Ph. 081288258803
Research gate
Google Scholar

Notifikasi bahwa artikel telah terpublikasi di Jurnal Key Engineering Material

Paper «Straightness Geometric Error Assessment for CNC Milling Machine» has just been submitted by Herman harja 18 December, 2021 16:43

From: International conference in Mechanica...

To: Herman harja

Reply To: authors@scientific.net

Dear Herman harja

Paper titled «Straightness Geometric Error Assessment for CNC Milling Machine» has successfully been submitted to «International conference in Mechanical Engineering (Indonesia)». Corresponding editors will keep you updated about the status of your paper.

Thank you for your contribution.

Best regards,
Team Scientific.Net

p.s. this is an information email only. Please don't reply unless misconduct or conflict of interest is an issue.

Straightness Geometric Error Assessment for CNC Milling Machine

Abstract:

The straightness movement error of the machine tools axis contributes significantly to the straightness of the workpiece machining feature. This paper focuses on the assessment study of CNC machine tools' straightness geometric error for obtaining recommendation information to improve machine geometric accuracy. A research method by determining measurement parameters according to ISO 230 procedure, no-load measurement of straightness vertical-horizontal geometric error using a laser interferometer, collecting data, data analysis. Data analysis calculates positional straightness deviation, mean positional deviation, systematic positional deviation, repeatability, and accuracy of straightness movement for each machine axis, and generating error compensation values for improving machine geometric error. The travelled distance of the X, Y, and Z-axis CNC milling machine tested is about 1100 mm, 560 mm, and 520 mm. The assessment result shows mean deviation straightness horizontal of X, Y, and Z-axis is 4.14 µm, 3.41µm, and 0.95 µm. The mean deviation straightness vertical of X, Y, and Z-axis is 3.75 µm, 2.63 µm, and 2.30 µm. Finally, the assessment outcome is generating error compensation values of each axis. It could be recommendation information for setting back error compensation parameter on CNC controller, hence the mean deviation of straightness geometric error machine tools to be less than 1 µm.

Info:

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