### Accepted Manuscript

Finite element analysis of vertical micro-probe considering Joule-heating effect

Hyun-Woo Jung, Seung-Jae Kim, Yun-Jae Kim, Jung-Yup Kim, Joo-Yul Lee, Jun-Hyub Park

PII: S0142-1123(17)30081-6

DOI: http://dx.doi.org/10.1016/j.ijfatigue.2017.02.021

Reference: JIJF 4257

To appear in: International Journal of Fatigue

Received Date: 9 November 2016 Revised Date: 31 January 2017 Accepted Date: 20 February 2017



Please cite this article as: Jung, H-W., Kim, S-J., Kim, Y-J., Kim, J-Y., Lee, J-Y., Park, J-H., Finite element analysis of vertical micro-probe considering Joule-heating effect, *International Journal of Fatigue* (2017), doi: http://dx.doi.org/10.1016/j.ijfatigue.2017.02.021

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

# Finite element analysis of vertical microprobe considering Joule-heating effect

Hyun-Woo Jung<sup>1</sup>, Seung-Jae Kim<sup>1</sup>, Yun-Jae Kim<sup>1</sup>, Jung-Yup Kim<sup>2</sup>, Joo-Yul Lee<sup>3</sup>, Jun-Hyub Park<sup>4\*</sup>

<sup>1</sup>Korea University, Department of Mechanical Engineering
145, Anam-ro, Sungbuk-Ku, Seoul, 02841, Korea

<sup>2</sup>Korea Institute of Machinery & Materials, Department of Nano Mechanics
156, Gajeongbuk-Ro, Yuseong-Gu, Daejeon, 34103, Korea

<sup>3</sup>Korea Institute of Materials Science, Department of Surface Technology
66, Sangnam-dong, Seongsan-Gu, Changwon, 51508, Korea

<sup>4</sup>Tongmyong University, Department of Mechatronics Engineering

428, Sinseo-ro, Nam-gu, Busan, 48520, Korea

(E-Mail) jhpark@tu.ac.kr

Manuscript for

Submission Date: xxx 2016

#### Download English Version:

# https://daneshyari.com/en/article/5015084

Download Persian Version:

https://daneshyari.com/article/5015084

<u>Daneshyari.com</u>