Accepted Manuscript

Title: In-situ measurement of relative motion during ultrasonic spot welding of aluminum alloy using Photonic Doppler Velocimetry



Author: Y. Lu H. Song G.A. Taber D.R. Foster G.S. Daehn W. Zhang

PII:	S0924-0136(16)30006-1
DOI:	http://dx.doi.org/doi:10.1016/j.jmatprotec.2016.01.006
Reference:	PROTEC 14686
To appear in:	Journal of Materials Processing Technology
Received date:	31-8-2015
Revised date:	5-1-2016
Accepted date:	9-1-2016

Please cite this article as: Lu, Y., Song, H., Taber, G.A., Foster, D.R., Daehn, G.S., Zhang, W., In-situ measurement of relative motion during ultrasonic spot welding of aluminum alloy using Photonic Doppler Velocimetry.Journal of Materials Processing Technology http://dx.doi.org/10.1016/j.jmatprotec.2016.01.006

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

In-Situ Measurement of Relative Motion during Ultrasonic Spot Welding of Aluminum Alloy using Photonic Doppler Velocimetry

Y. Lu¹, H. Song¹, G. A. Taber¹, D. R. Foster², G. S. Daehn¹, W. Zhang^{1,*}

1 Department of Materials Science and Engineering, The Ohio State University, Columbus, OH 43221, USA

2 Department of Engineering Technology and Department of Mechanical and Aerospace Engineering, Old Dominion University,

Norfolk, VA, 23529, USA

* Corresponding author: W. Zhang, Email: zhang.3978@osu.edu

Download English Version:

https://daneshyari.com/en/article/7176770

Download Persian Version:

https://daneshyari.com/article/7176770

Daneshyari.com