

Accepted Manuscript

Title: Abrasive Slurry Jet Micro-machining of Edges, Planar Areas and Transitional Slopes in a Talc-Filled Co-Polymer

Author: N. Tamannaee J.K. Spelt M. Papini

PII: S0141-6359(15)00111-7

DOI: <http://dx.doi.org/doi:10.1016/j.precisioneng.2015.06.009>

Reference: PRE 6254

To appear in: *Precision Engineering*

Received date: 10-1-2015

Revised date: 29-4-2015

Accepted date: 24-6-2015



Please cite this article as: Tamannaee N, Spelt JK, Papini M, Abrasive Slurry Jet Micro-machining of Edges, Planar Areas and Transitional Slopes in a Talc-Filled Co-Polymer, *Precision Engineering* (2015), <http://dx.doi.org/10.1016/j.precisioneng.2015.06.009>

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.

Highlights

- Measured the erosion rate angular dependence of a talc-filled polymer
- Used an abrasive slurry jet to micro-machine planar areas, slopes and edges
- Introduced a model to predict the depth and waviness of planar areas
- Tested a nozzle path algorithm to machine prescribed features
- Tested a nozzle configuration that increases sidewall slope

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/7180666>

Download Persian Version:

<https://daneshyari.com/article/7180666>

[Daneshyari.com](https://daneshyari.com)