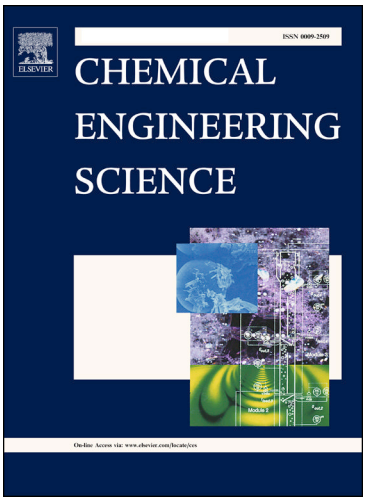

A quantitative comparison of in-line coating thickness distributions obtained from a pharmaceutical tablet mixing process using discrete element method and terahertz pulsed imaging

Chunlei Pei, Hungyen Lin, Daniel Markl, Yao-Chun Shen, J. Axel Zeitler, James A. Elliott

PII: S0009-2509(18)30417-2
DOI: https://doi.org/10.1016/j.ces.2018.06.045
Reference: CES 14319

To appear in: *Chemical Engineering Science*

Received Date: 15 January 2018
Revised Date: 6 June 2018
Accepted Date: 15 June 2018

Please cite this article as: C. Pei, H. Lin, D. Markl, Y-C. Shen, J. Axel Zeitler, J.A. Elliott, A quantitative comparison of in-line coating thickness distributions obtained from a pharmaceutical tablet mixing process using discrete element method and terahertz pulsed imaging, *Chemical Engineering Science* (2018), doi: https://doi.org/10.1016/j.ces.2018.06.045

A quantitative comparison of in-line coating thickness distributions obtained from a pharmaceutical tablet mixing process using discrete element method and terahertz pulsed imaging

Chunlei Pei[1], Hungyen Lin[2], Daniel Markl[3], Yao-Chun Shen[4], J. Axel Zeitler[3] and James A. Elliott[1*]

[1]Department of Materials Science and Metallurgy, 27 Charles Babbage Road, University of Cambridge, CB3 0FS, UK

[2]Department of Engineering, Lancaster University, Lancaster LA1 4YW, UK

[3]Department of Chemical Engineering and Biotechnology, University of Cambridge, Cambridge CB2 0AS, UK

[4]Department of Electrical Engineering and Electronics, University of Liverpool, Liverpool L69 3GJ, UK

* Corresponding author. Tel.: +44 1223 335987; fax: +44 1223 334567.
E-mail address: jae1001@cam.ac.uk