

## Accepted Manuscript

Understand Solids Loading Effects in a Dense Medium Cyclone: Effect of Particle Size by a CFD-DEM Method

K.W. Chu, J. Chen, B. Wang, A.B. Yu, A. Vince, G.D. Barnett, P.J. Barnett

PII: S0032-5910(17)30569-7  
DOI: doi:[10.1016/j.powtec.2017.07.032](https://doi.org/10.1016/j.powtec.2017.07.032)  
Reference: PTEC 12674

To appear in: *Powder Technology*

Received date: 19 December 2016  
Revised date: 18 March 2017  
Accepted date: 7 July 2017



Please cite this article as: K.W. Chu, J. Chen, B. Wang, A.B. Yu, A. Vince, G.D. Barnett, P.J. Barnett, Understand Solids Loading Effects in a Dense Medium Cyclone: Effect of Particle Size by a CFD-DEM Method, *Powder Technology* (2017), doi:[10.1016/j.powtec.2017.07.032](https://doi.org/10.1016/j.powtec.2017.07.032)

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.

# **Understand Solids Loading Effects in a Dense Medium Cyclone: Effect of Particle Size by a CFD-DEM Method**

**K. W. Chu<sup>1\*</sup>, J. Chen<sup>1</sup>, B. Wang<sup>2</sup>, A. B. Yu<sup>1</sup>, A. Vince<sup>3</sup>, G.D. Barnett<sup>4</sup> and P.J. Barnett<sup>4</sup>**

<sup>1</sup> Lab for Simulation and Modelling of Particulate Systems, Department of Chemical Engineering,  
Monash University, Clayton, VIC 3800, Australia

<sup>2</sup> Key Laboratory of Western China's Environmental Systems (Ministry of Education), College of  
Earth and Environmental Sciences, Lanzhou University, Lanzhou 730000, PR China

<sup>3</sup> Elsa Consulting Group Pty Ltd, PO Box 8100, Mt Pleasant, QLD 4740, Australia

<sup>4</sup> Minco Tech Australia Pty Ltd, PO Box 142, Cardiff, NSW 2285, Australia

\* Corresponding author e-mail: kevin.chu@monash.edu

Download English Version:

<https://daneshyari.com/en/article/4910432>

Download Persian Version:

<https://daneshyari.com/article/4910432>

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