

## REFERENCES

- [1] Tano KT, Palsson BI, Persson S. Continuous monitoring of a tumbling mill. Proceeding of the XXII International Mineral Processing Congress, Oct. 2003.
- [2] Fujimoto S. Reducing specific power usage in cement plants, *World Cement*, 1993; 7: 25-35.
- [3] Ömürden Genç. Energy-Efficient Technologies in Cement Grinding, High Performance Concrete Technology and Applications, Oct 2016.
- [4] Ghosh SN, *Cement and Concrete Science and Technology*, Volume I, Part I, ABI Books Private Ltd, First Edition, New Delhi: 1991.
- [5] Nobis R. Experience with grinding slag and clinker in a Loesche mill. *ZKG International*. 2001; 54 (4): 196-204.
- [6] Duda WH, *Cement-Data-Book*, Vol. 1, International Process Engineering in the Cement Industry. French & European Pubns. 3rd edition; 1985.
- [7] Buzzi S, The Horomill a new mill for fine comminution. *ZKG International*. 1997; Nr.3: 127-138.
- [8] Cordonnier A. A new grinding process Horomill®. 8th European Symposium on Comminution. Stockholm, Sweden: 1994.
- [9] Okay Altun. Energy and cement quality optimization of a cement grinding circuit. *Advanced Powder Technology*, Jul 2018.
- [10] V. K. Gupta and S. Sharma, “Analysis of ball mill grinding operation using mill power specific kinetic parameters,” *Advanced Powder Technology*, vol. 78–99, pp. 33–36, 2014.
- [11] M. H. Wang, R. Y. Yang, and A. B. Yu, “DEM investigation of energy distribution and particle breakage in tumbling ball mills,” *Powder Technology*, vol. 223, pp. 83–91, 2012.
- [12] G. Si, H. Cao, Y. Zhang, and L. Jia, “Experimental investigation of load behaviour of an industrial scale tumbling mill using noise and vibration signature techniques,” *Minerals Engineering*, vol. 22, no. 15, pp. 1289–1298, 2009.
- [13] J. Tang, L. Zhao, J. Zhou, H. Yue, and T. Chai, “Experimental analysis of wet mill load based on vibration signals of laboratory-scale ball mill shell,” *Minerals Engineering*, vol. 23, no. 9, pp. 720–730, 2010.
- [14] Z.-G. Su, P.-H. Wang, and X.-J. Yu, “Immune genetic algorithm based adaptive evidential model for estimating unmeasured parameter: estimating levels of coal

powder filling in ball mill,” *Expert Systems with Applications*, vol. 37, no. 7, pp. 5246–5258, 2010.

- [15] A. V. Oppenheim and A. S. Willsky, *Signals and Systems*, Prentice Hall, New York, NY, USA, 2000.
- [16] C.-T. Chen, *Digital Signal Processing Spectral Computation and Filter Design*, Oxford University Press, Oxford, UK, 2001.
- [17] Peng Huang, Minping Jia, and Binglin Zhong. Study on the Method for Collecting Vibration Signals from Mill Shell Based on Measuring the Fill Level of Ball Mill, *Mathematical Problems in Engineering*, Jul 2014.
- [18] Holcim Preventive Maintenance Routine Guidebook, Edition May 2016
- [19] Dilip Kumar Nayak, Debi Prasad Das, Santosh Kumar Behera, Sarada Prasad Das. Monitoring the fill level of a ball mill using vibration sensing and artificial neural network, *Neural Computing and Applications*, Oct 2019.
- [20] Holcim Standard Operation Procedure Manual, Edition January 2014
- [21] Holcim Asset Manual, Edition January 2014