

Press Release

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## **Industrial Process for Grinding Cement, Fly Ash, and Other Cementitious Materials to 1 Micron Median Particle Size**

Flyanic, LLC ([www.flyanic.com](http://www.flyanic.com)), a cementitious mineral processing technology company, has developed an industrial scale and affordable process for grinding cement, fly ash, and other cementitious materials to a median particle size of one micron. The processing costs are in the range \$30-75 per ton, depending on feedstock, and can be scaled to industrial levels of production using proven equipment. Flyanic, along with its development partner, grinding mill equipment manufacturer RSG Inc. ([www.ultrafinegrind.com](http://www.ultrafinegrind.com)), recently applied technology licensed from the New Jersey Institute of Technology to the design of a vertical stirred media mill to perform the pilot scale demonstrations.

Cementitious materials ground to ultra-fine particle sizes have significant benefits in a range of industrial applications, including specialized grouts for oil and gas exploration. Fly ash and slag, finer than 10 microns, are high reactivity super-pozzolans for building products such as high performance structural concrete and pre-cast concrete. A one-micron median fly ash product has not been previously available on an affordable industrial scale.

Flyanic and RSG continue to perform ground breaking research in development of industrial scale grinding systems for processing ultra-fine cementitious materials.

Flyanic is an IgniteIP ([www.igniteip.com](http://www.igniteip.com)) portfolio company, formed around patented technology developed at the New Jersey Institute of Technology. Flyanic is located in Newark, NJ. RSG, Inc. is a privately held manufacturer of stirred media mills and air classifiers in business for over twenty years. RSG is located in Sylacauga, Alabama.