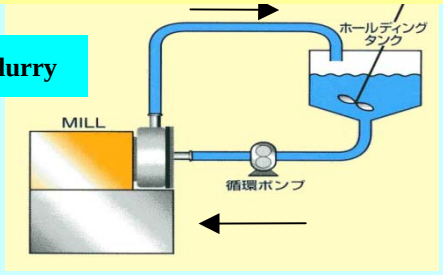
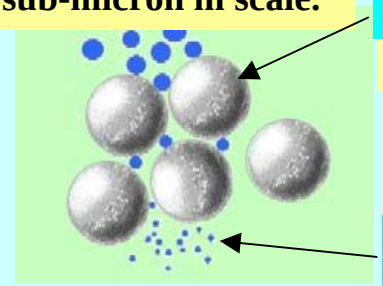
Beads Mills: Grinding to Nanometer Scale, Deaggromerating

Feature

Particulates are micro-grounded and pulverized by collisions with beads in the mill to a sub-micron m scale.





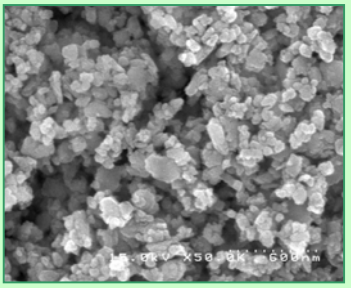
Mild pulverization: Crystalinity and Compositions of Particulates are not deteriorated by strict control of processing conditions for intended energy transfer.

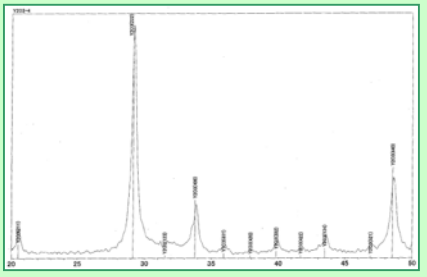
Weak → **Control of pulverization energy** → **Excessive**

Stayed aggromerates	Well pulverized	Amorphous slurry

Y_2O_3

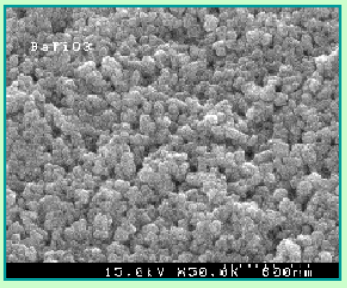
Raw particulates 600nm (primal size) → **Treated to 150 nm**





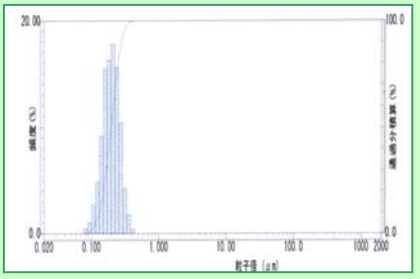
$BaTiO_3$

Raw particulates 210 nm → **Treated to 70～100 nm**



$BaSO_4$

Treated to 200nm



Applications

Automotive coatings, Printing inks, IJ-inks, Cell electrodes, FPD layer, Magnetics, Resist inks, Food additives, Medicines, Agro-agents, Cosmetics and etc.

K.K. SHINKO KAGAKU KOGYOSHO

Contact: 1544-19 Mashimori Koshigaya, Sitama 3430012 Japan

TEL: 81-48-964-9500 E-mail: info@shinkou-kagaku.co.jp