

Colloid Mill Application Card - Greases, Bentonite Clays



(203) 375-0063

<http://www.sonicmixing.com/>

Sonic's RotoMill Colloid Mills have been used extensively in the manufacture of greases and bentonite clays. Grease consists of a thickening agent, such as alkali soaps, polymers, silicas, clays, or aluminum complexes, dispersed throughout a lubricating oil, either synthetic or petroleum based; soap-based greases being the most popular. Greases contain many additives such as rust inhibitors, color stabilizers, oxidation inhibitors, and viscosity improvers. All greases require milling to produce a uniform gel structure that will remain stable while in use.

Sonic's RotoMill Colloid Mill is the ideal mill for processing greases of all kinds. With a patented angled Rotor/Stator, our mill subjects material to 3 stages of shear, centrifugal force, and grinding. Our newly designed bearing and seal chambers provide for an exceptionally stable mill with even milling distribution. This mill very effectively eliminates lumps and graininess and creates a smooth and glossy grease. Milling with Sonic's RotoMill also helps lower the penetration values of the grease, improve grease consistency, improve shear stability and thermal stability, improve flow or viscosity; all while effectively dispersing many of the additives commonly used.

Call Sonic to discuss your application needs further. We offer Complimentary [Lab Testing](#) so you can see how well our Colloid Mill will work for you!

