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The **Sonolator**[™]
High-Pressure Ultrasonic Mixing and Homogenizing Systems

Sonic's Sonolator high-pressure homogenizing systems and RotoMill Colloid Mills have been widely used to disperse ink and paint pigments. Pigments are insoluble particulates that provide color, opacity, gloss and rheological control, and act as thickeners and corrosion inhibitors. They are used in carriers such as oil, water, latex, etc. to create paints, inks, printing inks, color pastes and much more. We see the use of pigments and paints in our world on a vast basis from roofing products, cements and plasters to everyday paint and printing inks.

Our Sonolator systems use a PD pump to force the pigment premix through a specially engineered Orifice, generating high pressure and cavitation. The mix then exits the Orifice at extremely high velocity (>300 ft/sec), striking a Blade in its path that helps generate excessive cavitation. The fluid acceleration, cavitation and pressure work together to dramatically reduce agglomerates and flocs, thereby improving product stability and appearance. Our RotoMill Colloid Mill is also used to reduce particles and create stable Dispersions as well. The choice between these types of equipment depends on viscosity, cost, production rates, etc. Please visit our website Sonolator page to view technical papers on pigment dispersions!

Call Sonic to discuss your application needs further. We offer Complimentary Lab Testing so you can see how well our Sonolator will work for you!

 **Roto-Mill**[™]
Grinding and Shearing
Colloid Mills

