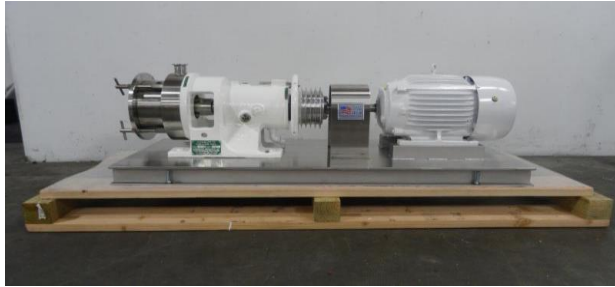




CHEMICOLLOID LABORATORIES CHARLOTTE COLLOID MILLS

Whether you are a long time member of the Charlotte Colloid Mill family or just interested in learning more about our Charlotte Mills we would like to thank you!

TEL: 631 617-5914
FAX: 631 617-5918
Email: info@colloidmill.com



"SD" SERIES APPLICATIONS:

Mayonnaise/Dressings
Syrups
Peanut Butters/Nut Butters
Tomato Products
Fish Meals
Gravies/Sauces
Wax Emulsions, i.e., Lipstick, Mascaras,
Topical Creams and Lotions
Gels
Hair Care Products, Shampoos,
Conditioners
Sunscreens
Ointments
Dispersions
Fragrances
Toiletries
Aqueous suspensions



"G" SERIES APPLICATIONS:

Bitumen Emulsions
Road Paving
Industrial Applications
Roofing Compounds/Clay Slips
Sealers/Coal Tar
Rustproofing Compounds
Latex Emulsions
Adhesive Compounds
Wax Emulsions
Greases/Lubricants
Lithium Complex Greases
Pigment Dispersions
Silicone Emulsions
PVC Slurry
Waterproofing Compounds
Paper Coatings
Thermal Plastic Materials

The above products are just a few of our many successful applications worldwide.



**Charlotte Lab
Food System**



**Charlotte Production
Food Systems**



Charlotte Lab Asphalt Emulsion System



Charlotte Production Asphalt Emulsion Systems

- Chemicolloid Laboratories, Inc. has been the sole manufacturer of the "CHARLOTTE COLLOID MILL" since 1924. We serve the international marketplace with mills for the food, pharmaceutical, cosmetic, petrochemical, grease, asphalt and textile industries, just to name a few.
- All "CHARLOTTE COLLOID MILLS" are designed for long life and trouble-free operation. The average life of our equipment, with good care, is many decades. To date, we have shipped thousands of units worldwide.
- Whether our **"G" Series** for industrial applications or the **"SD" Series** for sanitary applications, both lines of equipment work within the same design parameters. Product processing chambers are fully jacketed for *optional* heating or cooling. All mills may process materials up to 400°F and withstand product throughput pressures up to 150 PSI (100 PSI on the "SD-2"). Products to be processed must be in a pumpable slurry. All units are non-aerating, high shear, in-line equipment and can be fully calibrated in increments of .001". Average micron particle size that can be achieved is usually between 3-5 microns. All mills have externally adjustable clearance settings that can range from .005" to .070".
- The horizontal design of the "CHARLOTTE" lends itself to in-line installation. Together, with its "user-friendly" assembly for easy maintenance and non-aerating production chamber, the "CHARLOTTE COLLOID MILL" may be used for either batch or continuous processing.
- The "CHARLOTTE'S " unique hydraulic shear, along with mechanical shear, and centrifugal action production chamber allows the "CHARLOTTE" to process the most viscous products.
- Electrical motors used, are applicable for domestic and international installations. Horsepower ranges from 3 HP-125 HP depending on the model of mill used. Domestic specs are: 3,600 RPM, 3 phase, 60 cycles, 230/460 volt, totally enclosed, fan cooled US motor or X-PROOF. International specs are: 3,000 RPM, 3 phase, 50 cycles, 190/380 volt, totally enclosed, fan cooled, US motor or X-PROOF. IEC and NEMA frame motors available.
- Let us know which model you are interested in and the type of product and quantity to be processed, we will provide you with a proposal. The proposal will specify the type of construction detail, price FOB, delivery time and include information about our guarantee against defects. When requesting a proposal, please provide electrical requirements, product and quantity to be produced and preferred method of shipment. We will be happy to work with you in this regard.