

We'll be exhibiting equipment from these fine manufacturers:

Willy A. Bachofen (Switzerland)



Turbula® T2F

With over 15,000 units sold world-wide we can honestly say the powder blending ability of the Turbula® is truly unmatched. Also talk to us about the dyna®-MIX large-scale mixers and the Dyno®-Mill horizontal bead mill.

Retsch (Germany)

The world leader in lab-sized solids sample preparation equipment, including a full range of dry grinding equipment, sample dividers, sieves and sieve shakers.



Ultra Centrifugal Mill

Kinematica (Switzerland)



In-line homogenizer

The best rotor-stator homogenizers on the market today are made by Kinematica to exacting tolerances and standards. We can help with all sizes from a units for a few ml's to machines designed for 100's of gallons.

...and more from the US and around the world in these categories:

- Dish-and-Puck Mills
- Hammer Mills
- Disc Mills
- Ultrasonic Liquid Processors
- Jet Mills
- Jar Mills
- Planetary Ball Mills
- Grinding media, jars and more!

Glen Mills Inc.
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Clifton, NJ 07012
www.glenmills.com

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GM/68/2003

TECH TIPS - SPECIAL PITTCON ISSUE

Grinding Guy goes to Orlando



GLEN MILLS BOOTH 1000
PITTCON 2003
March 9-14, 2003 + Orlando, Florida
BRINGING TOGETHER THE ELEMENTS OF SCIENCE

What's going on in the Glen Mills' lab?

Two years ago, when this publication was still in it's infancy, we published a list of all the samples we had processed in our lab in the previous year. If one thing stays the same it's the constant change we see in the lab, new and interesting applications, the weird and the wonderful. This is our review of the last 18 months:

Chemical compounds

- Aluminum oxide
- Aluminum silicate
- Cyclodextron
- Hydroxyapatite Powder
- Manganese dioxide
- Strontium nitrate
- Titanium dioxide
- Zeolite powder
- Zinc powder
- Zirconium oxide

Natural products

- Bee Pollen
- Bladderwrack
- Blood (dried)
- Burdock root
- Chamomile flower
- Chicken feathers
- Citrus bioflavin powder
- Cocoa
- Comfry root
- Corn meal
- Cranberry powder
- Crickets (dried)
- Garcinia Cambogia extract
- Grass (fresh)
- Hair (human, cat, horse)
- Henna powder
- Malachite
- Oak fiber
- Peat
- Potato chip flavoring
- Raspberry leaves

Natural products contd.

- Slippery Elm
- Wheat straw
- Wooden blocks (4" cubes)



Plastics / polymers

- Acetate
- Epoxy resin
- Polycarbonate vacuum cleaner parts
- Polyethylene
- Polymer resin
- Polystyrene/Divinylbenzene

Misc.

- Building insulation
- Ceramic chards
- Cotton gauze pads
- Ion exchange resin
- Municipal waste
- Paper (shredded)
- Paraffin wax
- Phosphate rock
- Quartz powder
- Sand (quartz rich)
- Soap bars
- Tyvek® suits

This list is only a sample of what we've processed in our lab and does not include the 100+ other products that our clients ground in their own lab with equipment rented or leased from Glen Mills.

If you are considering a grinding step in your process but you don't know what mill you need or how your material will react - call us! If we can't match up your material against previous trials, we can organize to run new trials either at our lab in Clifton, New Jersey or in your lab anywhere in North America.

FREE PRIZE DRAWING!

If you are planning to attend Pittcon in Orlando please stop by **Booth 1000** and meet the Grinding Guy and his colleagues.

Mention that you saw this article in Tech Tips and just for saying hello we'll enter you into a prize drawing for a **\$250 gift certificate!**

Want to attend? Contact us for your FREE one day pass to the exhibition hall.



Late Breaking News.....Late Breaking News.....Late Break

Glen Mills has announced its sponsorship of the inaugural **50 Trillion Angstrom* Fun Run and Fun Walk** at Pittcon 2003.

This event will be held on Sunday March 9 at a location to be advised later. All participants receive a tee-shirt and the inner glow that comes from having done something healthy. Contact us at 973-777-0777 or via grindingguy@glenmills.com for more details.



*That's 5 kilometers for you non-nanotechnologists!

GLEN MILLS INC. The Helpful experts in Sample Prep. Contact us at 973-777-0777 or by fax at 973-777-0070. Visit our web site at www.glenmills.com