

PREMIER MILL

LAB-HIGH SPEED, PLANETARY AND MULTI-SHAFT MIXERS

Model 2000 Lab Dispersator



Non-explosion proof - This high-performance, high-speed dispersator ensures constant mixing speed regardless of product weight, viscosity or other variables. Circulates and shears dispersions and emulsions with ease. Perfect for any laboratory or pilot plant set-up.

Model 2000 Highlights:

- Reduces particle size and speeds up chemical reactions involving insoluble materials.
- Easy-to-clean, durable, light-weight and portable.

Hi-Vis Head



Duplex Head



Simplex Head



Rotor/Stator



Interchangeable Mixing Heads

Premier's workhorse for the lab, widely used for the processing of small batches in the lab or pilot plant. With mechanical speed drive and 1.5 or 2.0 HP explosion proof motor, this unit has the power to satisfy a wide range of applications where mixing problems exist. The 2500HV breaks up agglomerates and reduces particle size. Increase your mixing efficiency with Premier's line of interchangeable mixing heads.



Model 2500HV Lab Dispersator

Multi-Shaft Mixer



4 - 8
Liters

For the most demanding processing requirements. Ideal for complex applications or for any application where multi-tasking is required, Premier's Multi-Shaft Mixers are the most powerful and most reliable in the industry.

Multi-Shaft Highlights:

- Dual shaft and triple shaft designs.
- Low speed and high speed combinations including Rotor Stator.
- Triple lip seal and other shaft seal options available.
- Electronic variable speed and full control packages included.

Premier's 1.5 Liter Lab-Size Double Planetary Mixer offers all the advantages of our larger production-size mixers in a compact, bench-top package. Its design offers maximum mixing efficiency over a broad range of applications including low to exceptionally high viscosity pas ranging from several thousand to sev million cps. Extremely close tolerances maintained between the mixing black and tank wall ensure proper mixing a and heat transfer throughout the product. Vacuum mix not only more uniform, but 30% higher than with other double planetary mixers.



Double Planetary Mixer



An SPX Process Equipment Operation

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PREMIER MILL

LAB-PILOT PLANT AND MEDIA MILLS



HML .20 Liter Media Mill

The most flexible and convenient laboratory media mill available today. Its compact, no tools design makes it the ideal tabletop mill for such applications as formulation development, raw materials evaluation, and feasibility studies; small sample sizes are easily milled without compromising quality or accuracy. The .20 liter Laboratory SuperMill offers many advantages: a stainless steel milling chamber, water-cooled jacket, sanitary-style fittings and feedlines, and an explosion proof motor are all standard.

HML .20 Highlights:

- Discrete pass or recirculation capabilities.
- Compatible with various sizes and types of grinding media.
- Increased flexibility with independent variable speed pump controls, to control residence separately from milling energy.

Optional: "NAVIGATOR"
Process Control System for
Data Collection and
Scale-up Capability.



PSM-7 Highlights:

- Uniform particle size.
- Better flow control.
- Easy clean up.
- Suitable for batch sizes from 1.5 to 5 gallons.

Lab/Pilot Plant SuperMill 1.5

Premier Laboratory/Pilot Plant SuperMills are unique because they offer all the advantages of larger production units but are compact and rugged enough for pilot plant testing. These pilot plant mills are specifically designed for small product runs that require continuous dispersing and particle size reduction. Process data is scalable to production size units. A variable speed drive, milling shaft, several milling shaft configurations (screen, discs and spacers), and various pump options make this machine versatile enough to process and disperse a broad range of formulations.



SuperMill 1.5 Highlights:

- Smooth, quiet operation with electronic variable speed drive for milling shaft.
- Fully integrated design with explosion proof control panel and enclosed pump drive.

PSM-7 Lab Submersible Media Mill

An extremely versatile dispersion system, perfect for small specialty batch production. Offering the highest degree of efficiency and dependability, the PSM-7 Lab Submersible Mill is specifically engineered to allow mixing and grinding or fine dispersion simultaneously in a single tank. Easy clean-up, batch & tank size flexibility, and independently controlled mixers and milling shaft provide: consistent temperature control, uniform particle size flexibility, and wider range of product viscosities. Applied to a vast range of applications, from mixing and dispersing to melting and cooling, this unit provides consistent temperature control from beginning to end. All can be fully accomplished without tank or blade changes time consuming clean-ups and operator interaction.



SPX Process Equipment

Laboratory Equipment • OEM Replacement Parts • Media & Disperser Blades • Laboratory Testing • R&D
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