

Sample Preparation

Model 2601 Blender/Grinder Ball Mill

The Model 2601 Pica Blender Mill uses a grinding action in reducing the particle size of powders, ores, minerals, slags and other material into a particle size suitable for spectrographic analysis. The Model 2601 Pica Blender Mill employs an o-ring sealed cylindrical vial with three grinding balls and two end caps made of the same material as the vial. The oscillating motion of the vial and balls reduce the material quickly, uniformly and relatively quietly. The ½ HP motor rotation allows for 6,900 impacts per minute. The vial is fitted with two removable end caps making it easy to load, unload and clean. Each vial assembly is held in place in a sturdy clamp in each of three positions.

The grinding mechanism is of heavy duty construction using stress relieved steel shafting and sealed ball and pillow block bearings. It can accommodate up to 3 samples simultaneously in order to expedite production. The clamping mechanism for the vials is sturdy in construction and employs a single alloy hex socket screw to easily and quickly tighten the vial securely in place. The clamp can hold 1-¼" polystyrene vials for blending as well.

Both the motor drive and grinding mechanism are mounted on a 1" thick steel plate. Mounted on this plate are four heavy-duty spring shock absorbers with heavy rubber feet to

further isolate the motor and grinding mechanism. This assembly is set inside a heavy gauge steel cabinet, which is mounted on rubber legs. This configuration isolates the vibration from the motor and grinding assembly from the laboratory bench. The entire motor and grinding assembly can be unplugged and removed from the cabinet for cleaning and maintenance.



Features

- Grind or Blend up to 3 Samples
- Heavy Duty Construction
- Quiet Operation
- Shipped Complete and Ready to Operate

Optional grinding vial material:

- Tungsten Carbide
- Stainless Steel
- Tool Steel
- High Alumina Ceramic

For more information contact:

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