LABMILL 8000©
INSTRUCTION SHEET

INSTALLATION, USE AND MAINTENANCE

INSTALLATION

1. Place the Labmill 8000 in the desired location on a level surface.
2. The Labmill 8000 is equipped with self leveling feet for ease of installation. The self-adjusting feet allow for small imperfections in the surface under the machine.
3. The ON/OFF switch is integrated in the power cord attachment on the back left side of the machine.
4. The speed control adjustment dial is located on the front of the machine.
5. Overall dimensions of the Labmill 8000: 18” wide x 13” deep, 6” high.

OPERATION

1. Adjust the idle roller to the appropriate position for the mill jar you are using (see table 1). The idle roller can be removed by pushing in the spring activated ends until the roller can be lifted out. The spring activated ends can be pushed in using the access holes on each side of the roller base.
2. Turn on the Labmill 8000 and turn the speed control knob clockwise until the desired speed is reached.
3. Let the mill run for the desired amount of time, then turn the unit off using the power switch.

LOADING THE MILL JARS

Proper loading of the jars improves the performance of your mill. Best results can be expected by filling half the bottle with media. Less media may cause the milling media to slip and the milling rate is reduced. Higher media load may adversely affect proper cascading.

The material to be milled can now be added. For dry millruns we recommend you add 20-25% of the volume of the mill jar. For wet milling, we recommend the total volume of material and solvent to be 25-30% of the total jar volume. Lower percentages lead to a lower efficiency and increased wear of the jar and media. Higher loads increase the required milling time exponentially.

To remove the jar from the sleeve it may be necessary to heat the sleeve with hot water. This will ease the extraction of the jar.

MAINTENANCE

1. Clean your Labmill 8000 after every use thoroughly with a damp, soft cloth.
2. Motor and bearings are lubricated for life and do not require any maintenance.

SHIPPING

1. When shipping the Labmill 8000, be certain to use the original packaging material. Failure to do so will void the warranty.

Over ➔

Position (See Figure 1)	Jar (in 1)/Sleeve Size (in inches)
1	0.51 / 3.25” ; 0.91 / 4.125”
2	1.91 / 5.5” ; 3.81 / 6.5”
3	9.51 / 10”

Table 1: Idle Roller Position for Different Jar/Sleeve Sizes

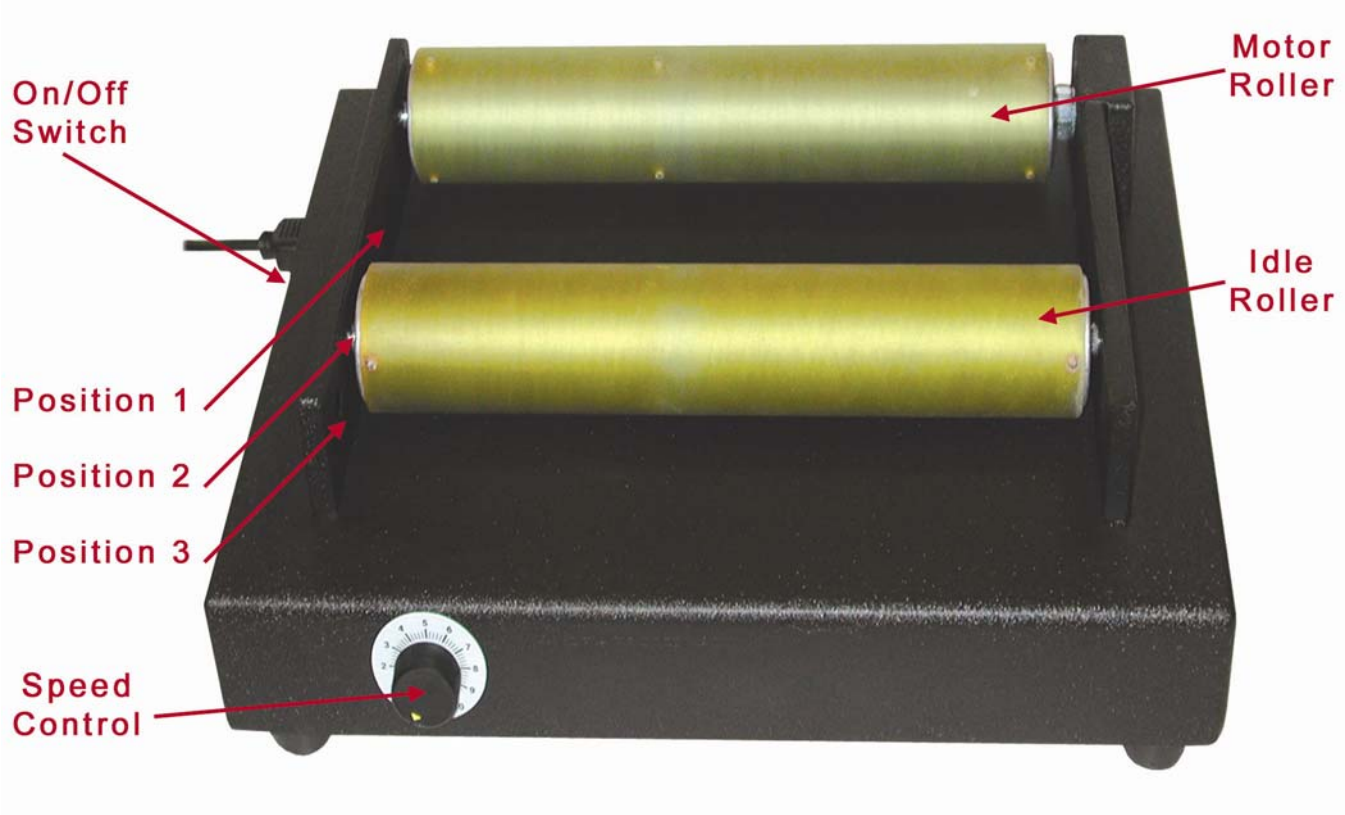

Figure 1: Part and Position Location