

# Cole-Parmer®

## HG-600 Geno/Grinder® 2010

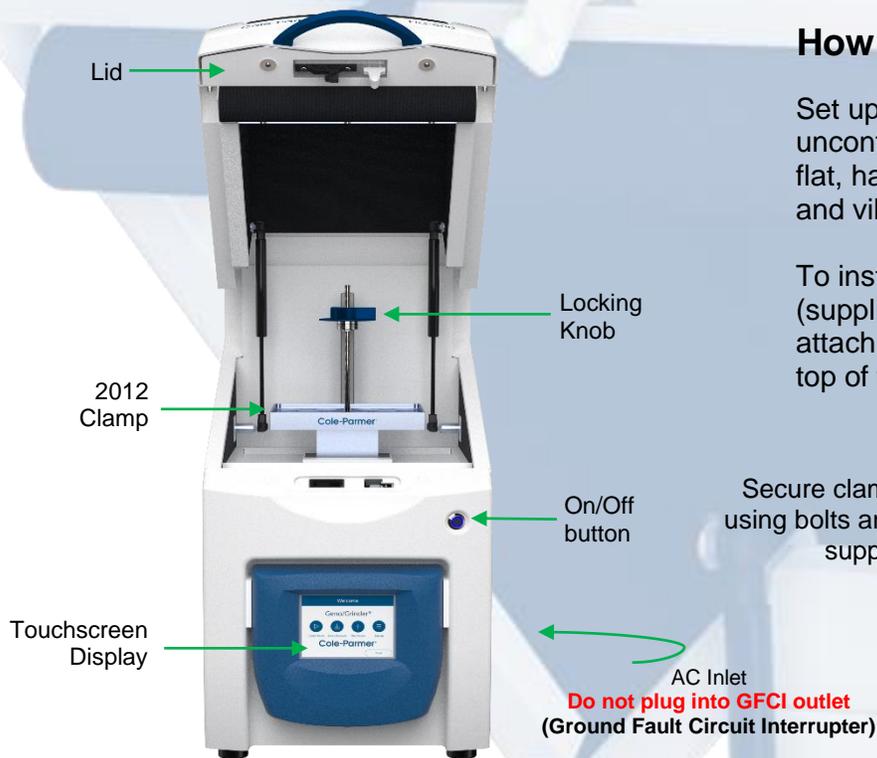
Tissue and Cell Lyser for Biological Applications

### Quick Start Guide

For 115V (04500-17) and 230V (04576-84)



For Product Information

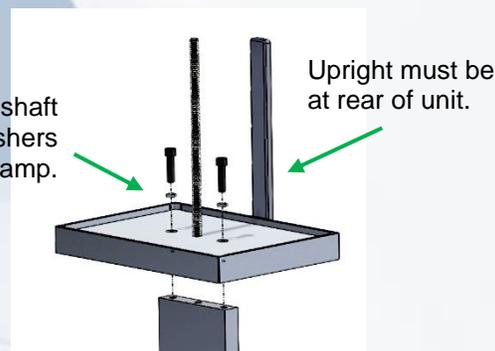


### How To Operate HG-600 Geno/Grinder®

Set up the Geno/Grinder® in a well ventilated, unconfined space. The unit should be operated on a flat, hard, stable benchtop due to the vigorous motion and vibration generated during operation.

To install the clamp, use the 3/16 in Allen wrench (supplied with power cord and manual). Raise lid and attach clamp using the lock washers and bolts to the top of the shaft.

Secure clamp base to shaft using bolts and lock washers supplied with clamp.

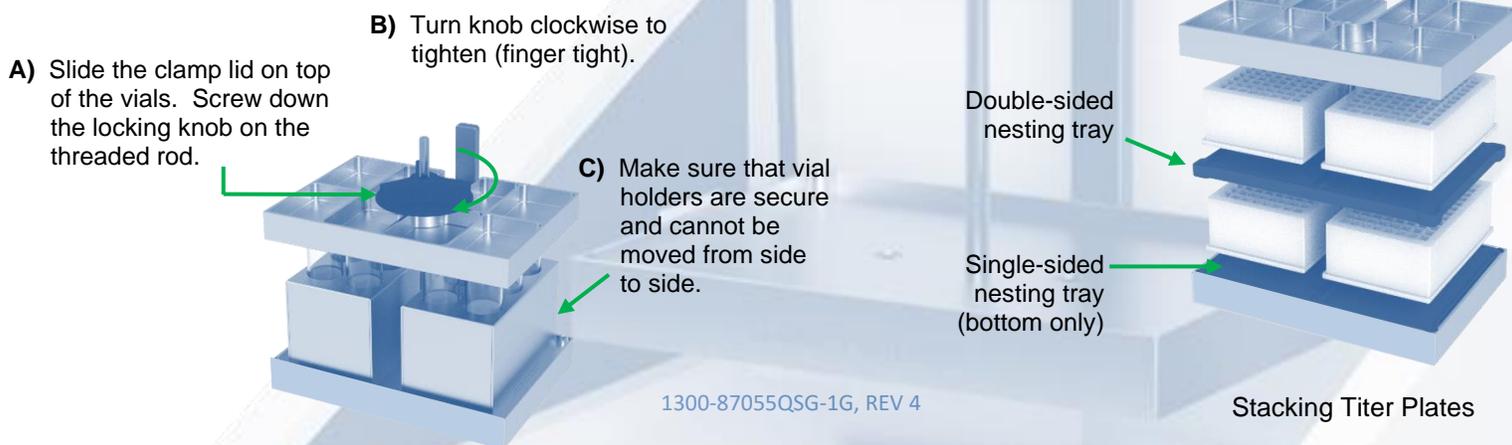


**Step 1.** Connect the powercord to the AC Inlet located in the back of the unit. **Do not plug mill into GFCI outlet.** Power On the 2010 GG. "Please Wait" appears on the screen during start-up as the software loads followed by the Home Screen.

**Step 2.** Load samples into the clamp (titer plates or vials). When using 4 or 6 titer plates, place a nesting tray between them. If using vials (2ml or 5ml), vial holders can be stacked to maximize throughput.

**Step 3.** Position the clamp lid above the threaded rod with the guide on the upright at the rear of the clamp, press and hold button on the locking knob while sliding down the threaded rod.

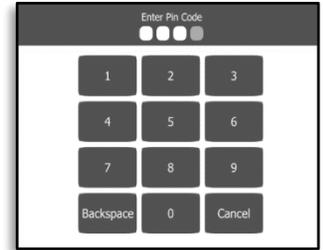
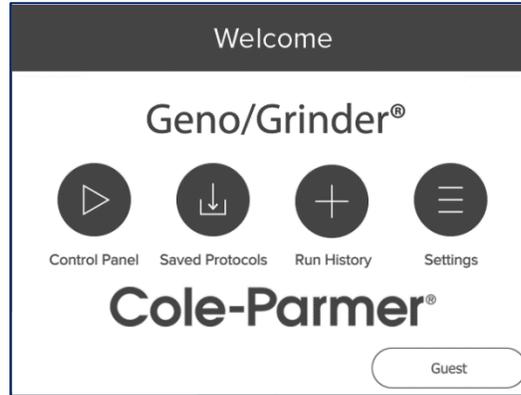
**Step 4.** Turn knob to tighten (finger tight) and check that the button has popped out.



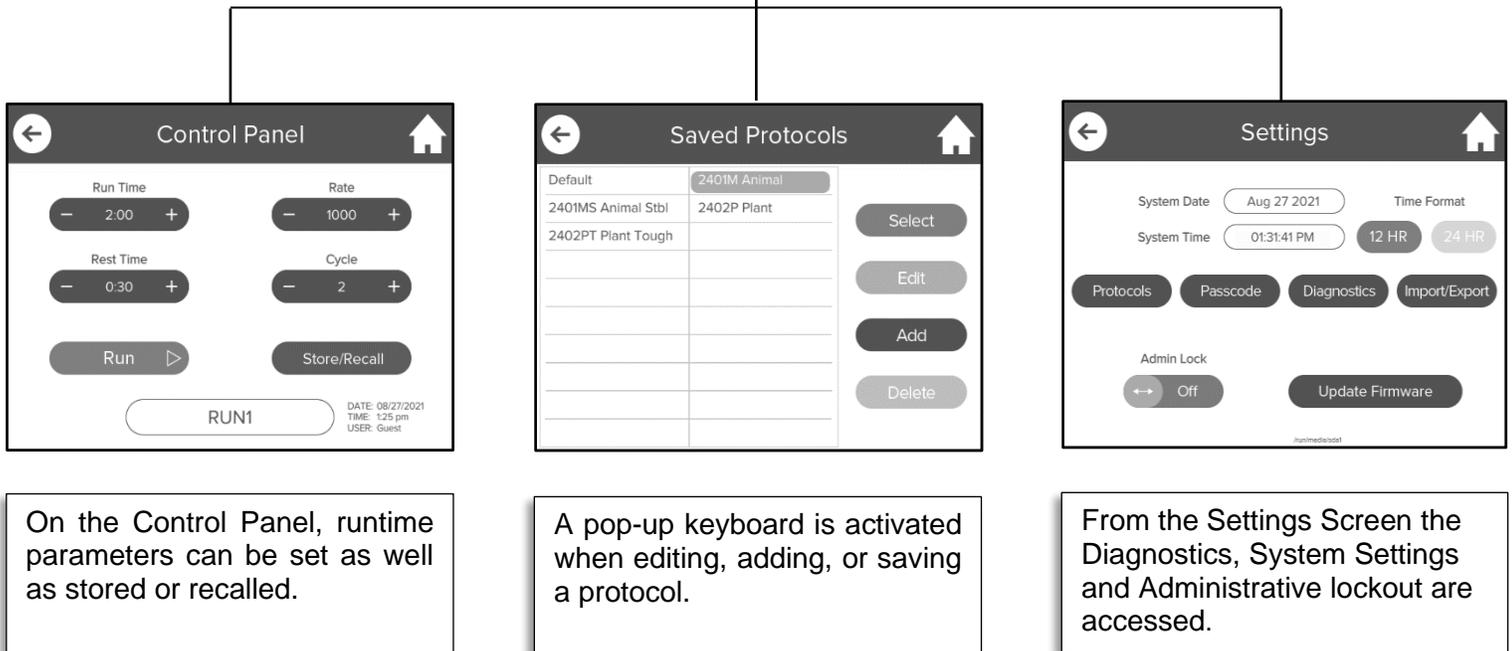
# THE TOUCHSCREEN DISPLAY

From the Home Screen the Control Panel, Saved Protocols, and Run History, and Settings can be accessed by the user.

Programmable operating commands through a series of touchscreen displays. USB to imports/export saved protocols, run history, diagnostic data, or upgrade the system software.



Administrative lockout (passcode) which allows Lab Manager to restrict user access to specific protocols. **Default code is 0000.**



**Important: Never run the Geno/Grinder with the 2012 clamp not screw-tightened or with titer plates held loosely in the clamp. Damage and leakage will result. When processing samples in only one titer plate, load an empty titer plate on the other half of the clamp assembly. Similarly, if less than a full holder of vials is used, be sure to place an equal number of vials on the front and rear of the clamp, to ensure that the load is balanced and tightly clamped. Empty vials can be used as place holders if an uneven number of samples are run. The maximum recommended total sample load in the clamp assembly is 4 lb. (1.8 kg). The total sample load includes sample, vials (or titer plates), grinding media, holders (or cryo-blocks), and nesting trays. For sample loads exceeding 2.0 lb. (0.9 kg), the maximum recommended operating rate is 1500 rpm. Sample loads less than 2.0 lb. can be run at rates up to the maximum of 1750 rpm. Dynamic loads greater than 2 lb. can create a rate error. When stacking 4 or 6 titer plates, do not add more than five 4 mm steel balls to a single titer plate well.**

Our Application Specialists at Cole-Parmer are here to help with advice on accessories and grinding protocols. Call USA Tel: +1.800.323.4340 or [techinfo@coleparmer.com](mailto:techinfo@coleparmer.com)