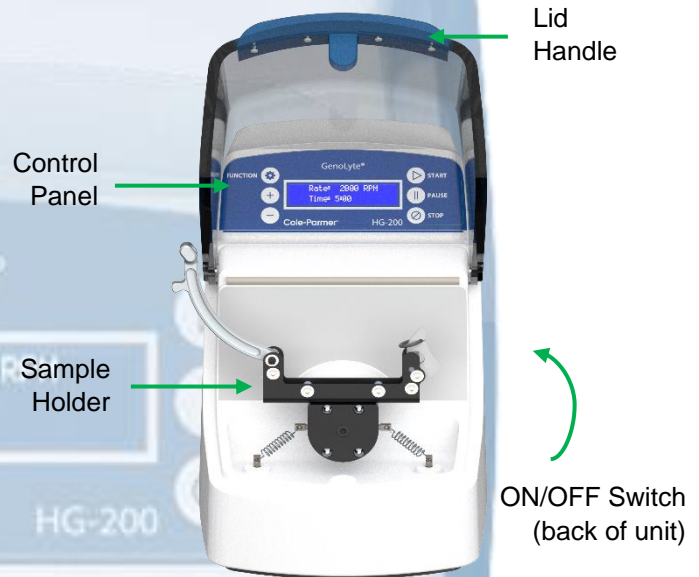




For Product Information

How To Operate HG-200 GenoLyte

- Set up the homogenizer 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.
- Tilt the cabinet, and remove the two bolts on the bottom. They hold the floating baseplate to the cabinet for shipping.
- Remove the foam protector around the clamp assembly inside the unit before attaching the vial holder or turning the unit on.



Step 1. Connect the power supply to the back of unit. Power On the GenoLyte Homogenizer. Upon start-up, Cole-Parmer will appear briefly on the display screen followed by RATE and TIME.

Step 2. Lift the Lid by the Lid Handle. Place a vial holder in the clamp. Add sample loaded vials to the holder. Close the clamp arm by pushing it down then pressing the locking tab inwards until it clasps the clamp arm. Stretch the safety ring around the clamp arm knob to secure the vials in holder. To remove vials (or holder), unclasp the safety ring and locking tab from the clamp arm and extend the arm to the open position.

Step 3. Close the lid.

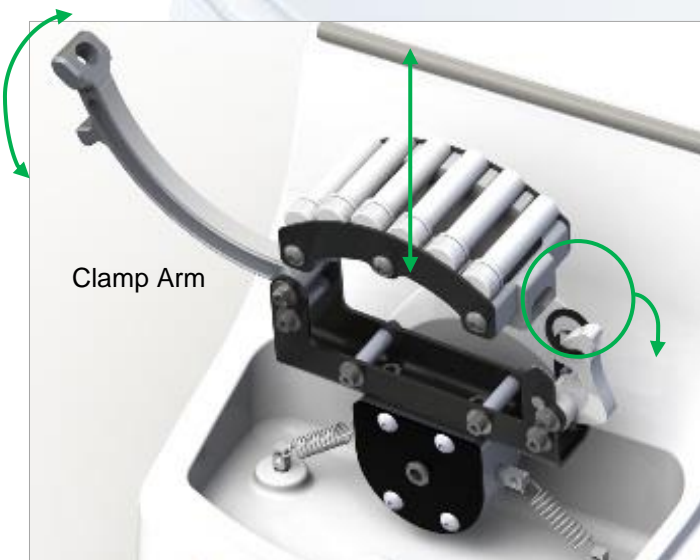


Figure 1 – Inserting (or Removing) the Vial Holder

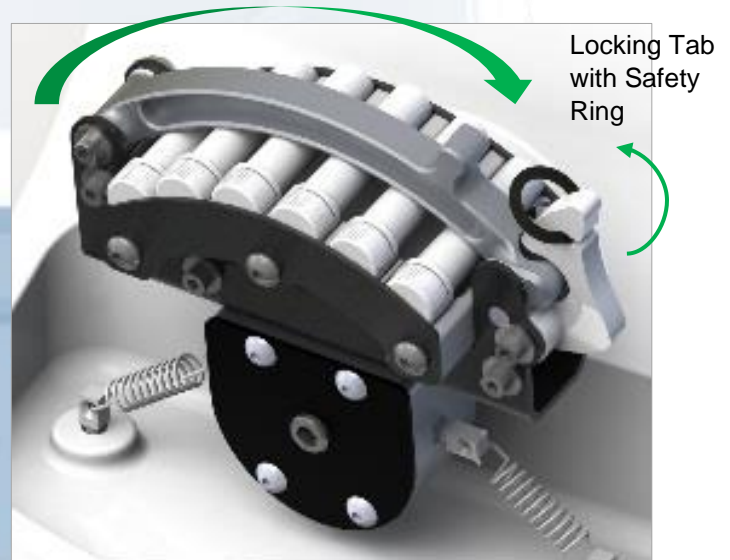


Figure 2 – Locking the Vials in the Clamp

Changing the Run Parameters

NOTE: *Never run the GenoLyte Homogenizer with the clamp arm unfastened and not properly secured. Damage and leakage will result. It is critical that the clamp arm be supported by at least two vials, one at each end. An empty vial can be used as a place holder if only one sample is run.*

- **Time** - Can be set in 5-second increments. Maximum runtime is 5.00 min.
- **Rate** - Run speeds are fixed at 750 rpm, 2000 rpm, 3000 rpm, 4000 rpm.
- **Rest** - Runtime is inactive between cycles and can be set in 15 second increments up to 5 minutes.
- **Cycles** - 1 to 5 (the number of runtimes).

Step 4. To set a programmed run push the FUNCTION button to select the Runtime, Rate, Rest, and Cycles. Press the plus button (+) to increase the selected parameter or press the minus button (-) to decrease the parameter.

Step 5. To exit the Function programming screen push the STOP button.

Step 6. Push the START button to begin a programmed run. The timer counts down in 1-second increments, showing the time left in the run. When the timer reaches zero and the motor shuts off, the timer will display RUN COMPLETE. The safety interlock switch prevents the unit from running if lid is open.

Step 7. To have the mill pause during a run and retain the timer setting, push the PAUSE button. The motor will shut off and PAUSED will appear on the display. To resume the run, close lid and push START; the timer will briefly display the exact number of seconds left in the run and then continue to count down in 1-second increments. To abort the run, push STOP; RUN COMPLETE will be displayed.

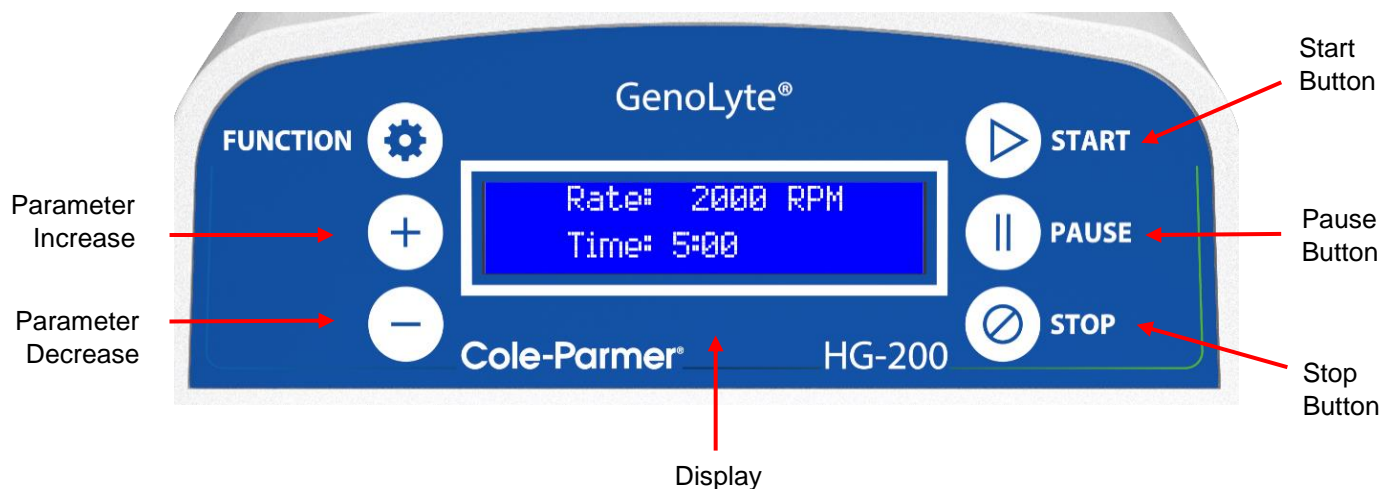


Figure 3 – Control Panel

Our Application Specialists at Cole-Parmer are here to help with advice on accessories and grinding protocols.

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