

## TURBO GRINDER



### INSTRUMENT OPERATION

#### 1. Power On

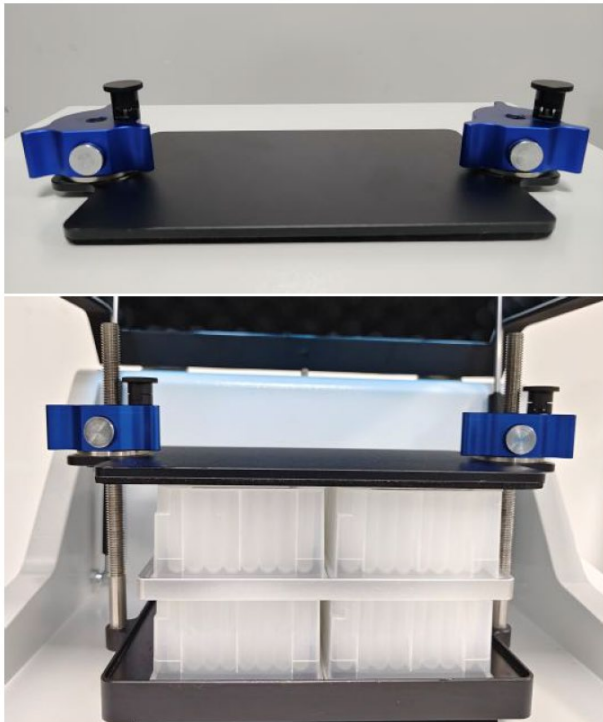
1. Open the cover using the black latch, check that the experimental chamber is free of any unnecessary items and clean if needed.
2. Turn on the power switch (located on the right side of the instrument). The instrument will perform a self-check and then display a language option. Select your language.

#### 2. Grinding Procedure

1. Place the prepared samples into the deep-well plate and add the required number and size of stainless steel, glass, or zirconia beads.
2. If required, prepare samples using liquid nitrogen freezing or other pre-processing methods. Seal the plate with a silicone cap or heat seal before placing it in the machine.
3. On the Main Menu, click **Set Up** to open the program list editing screen.
4. Select an existing program or create and save a new grinding program.
5. Press the **Home** button to return to the Main Menu, then press **Start** to begin the program.

## Notes

1. Quick-release fastening nuts (with adapter cover, Figure 1) are suitable for up to 4 deep-well plates. For more than 4 plates, use full-threaded fastening nuts with the matching adapter cover (Figure 2).
2. Always ensure the shaker adapter is balanced on both sides during operation. Single-sided use is not permitted.
3. Designed for short-term, intermittent use – avoid continuous long-term operation.
4. To clean, do not rinse with water. Wipe with a damp cloth only.
5. If any irregularities occur during operation, switch off the power immediately and have the unit checked by qualified personnel.
6. Place the machine on a flat, stable laboratory bench or floor (stone benches are ideal) to minimize vibration.



*Figure 1. Quick release fastening nuts*



*Figure 2. Full-threaded fastening nuts*