Groundnut Grading Table User Manual

The grading table is designed to grade shelled groundnuts based on size, shape and wholeness of the kernels. The table is slanted for proper grading action and can hold up to two grading screens at a time.
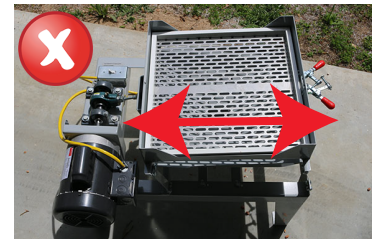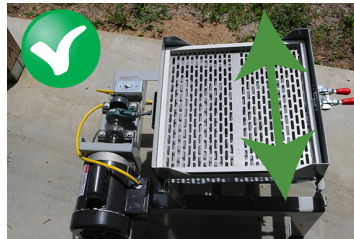
Choosing the correct screens

1. Choose the correct screen sizes based on the type of nuts you wish to grade. Screens are sized in 64ths of an inch and can be either slotted or round holes. The following sizes are those recommended for use in the USA, but you may need to adjust these depending on the specific varieties you are testing.

Variety Type	Screen 1	Screen 2	Screen 3	Screen 4
Spanish or Valencia	19/64 slot	15/64 slot	16/64 round	None
Runner	21/64 slot	18/64 slot	16/64 slot	17/64 round
Virginia	20/64 slot	18/64 slot	15/64 slot	20/64 round

2. Once you have selected your screens, place the second largest (Screen 2 in above table) on the shaker table and tighten the clamp. The clamps have been pre-adjusted for the provided screens but can be adjusted if necessary by loosening the nut and screwing the bolt forward or backward. The clamp should be tight enough so that the screen does not move easily, but not so tight that it deforms the frame.

NOTE: The screens should be placed so that the center bar and slots are PERPENDICULAR to the machine (running the same direction as the shaft).

3. Place the largest screen size (Screen 1 in above table) on top of the screen already installed on the table and tighten the other clamp.

4. Place a container under the table to catch the smaller nuts that will fall through both screens.

5. Begin to turn the crank in a clockwise direction.

6. Pour the nuts onto the table at the edge closest to the motor/shaft side.

7. Continue to turn the crank as nuts fall through the first screen and some continue to fall through the second screen.