

3. Experimental Procedure: Particle Deposition and Release

3535 particles were poured through a funnel and allowed to fall freely into the container, forming a stable bed under gravity; the funnel and upper box were then removed and the bed was allowed to settle. After cleaning the table and baseboard, two cameras were installed at the top and front of the lower box. The initial bed state was recorded from the rear transparent side, and the initial bed height was measured. The experiment started when the front panel was pulled up at approximately 6.45 cm/s (mean of four institutions).

