

Powder Flow Behavior Analysis Has Never Been Easier!

The Brookfield Powder Flow Tester provides rapid capability to evaluate flow behavior. R&D formulators, QA/QC technicians, and process design engineers alike will benefit from PFT data output which includes Flow Function and Bulk Density analysis, as well as calculations for Arching Dimension, Rathole Diameter, and Hopper Half Angle. Powder characterization is accomplished using predefined tests that execute automatically in a matter of minutes. Results can be used to minimize or eliminate the downtime and expense that occurs when hoppers fail to discharge properly.

Powder Flow Pro Software controls operation of the PFT and provides detailed data in both tabular and graphical format. For example: Rathole Diameter is plotted vs. powder fill level in the bin; Hopper Half Angle required to achieve mass flow behavior for the powder is plotted vs. hopper outlet dimension. Comparison of flow behavior for different powder samples is easily accomplished by overlaying Flow Functions for each on the same graph which plots powder strength vs. consolidation stress (fill level of powder in the bin).

In response to increasing customer demand, Brookfield has established Powder Testing Labs in five cities around the world: Boston Massachusetts USA, Harlow Essex England, Lorch Germany, Guangzhou China, and Mumbai India. Customer samples are tested within five business days for Flow Function, Wall Friction and Bulk Density as a function of consolidation stresses. This test data can be used to improve the manufacturing process by characterizing powders with flow aids, and it can also serve as a reference for future powder formulations.

For additional information about the PFT, Powder Flow Pro and Brookfield's Powder Test Labs, visit www.brookfieldengineering.com/products/pft/powder-flow-tester.asp or call 800.628.8139 (USA and Canada) or 508.946.6200.



Brookfield Powder Flow Test Laboratory



Brookfield PFT Powder Flow Tester