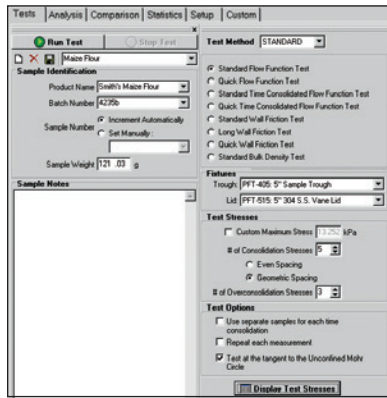


Powder Flow Pro Software Included

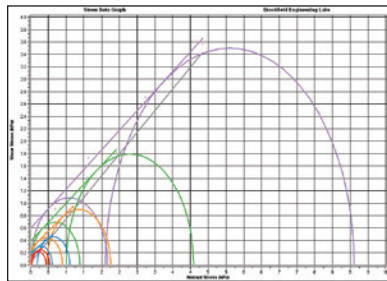
Operation and control of the Powder Flow Tester is accomplished with Powder Flow Pro Software.



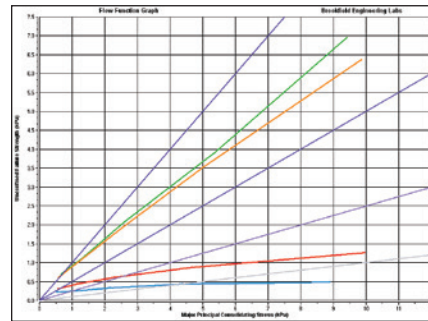
Main screen provides choice of basic tests:

- Flow Function
- Wall Friction
- Time Consolidated Flow Function
- Bulk Density

Custom test options available



Stress data output screen captures "normal stress" and "shear stress" values and plots data in graphical format (calculates Mohr Circle Failure Loci).



Flow Function test produces graphs of powder flow behavior which show:

- Unconfined Failure Strength vs. Major Principal Consolidating Stress
- Arching Dimension vs. Principal Consolidation Stress
- Rat-hole Diameter vs. Powder Fill Level
- Bulk Density (Fill and Final)

PFT POWDER FLOW TESTER SPECIFICATIONS

Load for Vertical Axis Compression:	7 kg — Accuracy ±0.6% FSR
Axial Speeds:	0.1mm/second up to 5mm/second
Distance:	Accuracy ±0.3mm
Torque:	±7.0 N•m — Accuracy ±1.2% FSR
Trough Rotational Speeds:	1 revolution/hour (RPH) up to 5 RPH
Temperature Sensing:	-20°C to 120°C*
Humidity Sensing:	10% to 95% RH ±5%†
Dimensions (wxdxh):	(cm) 36.2 x 39.7 x 67.6 (in) 14 ¹ / ₄ x 15 ⁵ / ₈ x 26 ⁵ / ₈
Weight:	34 kg (75 lb)

* Requires Part No. DVP-94Y

† Requires Part No. PFT-607Y

MINIMUM COMPUTER SPECIFICATIONS FOR POWDER FLOW PRO SOFTWARE

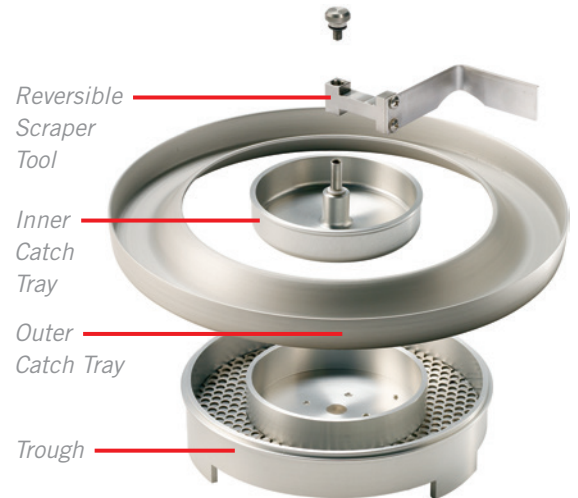
2GHz processor with 1 GB of RAM and 30 MB hard drive space available
1024x768 video resolution with 128 MB of graphics memory
Windows 7, 8 or 10 (32 and 64 bit) with one USB or RS-232 port



Close-up View of Vane Lid used for Flow Function Test.



Close-up View of Wall Friction Lid for wall friction and bulk density test



Outer and Inner Catch Trays with Scraper Tool for Sample Preparation in Trough