

Bendtsen Smoothness

Bendtsen smoothness is an air leak smoothness tester that responds to relatively large surface imperfections or undulations. A smoother, more level, surface results in a lower Bendtsen smoothness. Bendtsen roughness is measured by placing the test piece between a flat glass plate and a circular metal head. The rate of airflow is measured in ml/minute between the sample and head, and this value is related to the roughness of the surface. While similar to the Sheffield smoothness tester, the Bendtsen device has the ability to measure rougher surfaces than the Sheffield unit. It is used more in Europe than in the USA.

