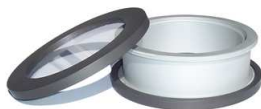


Revolution Powder Analyzer: Measurement of the flow behavior of powders



The working principle: The operator fills the powder sample into a drum with two glass sides. The drum is placed into the REVOLUTION. During measurement the drum is turning and a digital camera takes images of the powder flow. The software analyzes 15 images/s and calculates various parameters representing the powder's quality and processability.

Measures:

- Flowability
- Fluidization
- Agglomeration, Desagglomeration
- Powder packing and caking

Application examples:

- Additive manufacturing, Food, Chemicals, Pharma..
- Powder dosing
- Change of powder flow by additives, storage or changed processing conditions
- Fluidization of toners or inhaler powders
- Flow change due to vibrations (transportation)

Technical data:

- Dimensions 61 x 23 x 23 cm
- Sample size: 8 or 25 or 100 ccm

Flowability: With the REVOLUTION Powder Analyzer you can determine your powder's process behavior directly in a simulated process environment. You can do all of these performance behavior tests: Flowability, Granulation, Mixing and Fluidization with one simple to use Powder Analyzer - The REVOLUTION.

NEW: Charge measurement module. Electrostatic charge built-up during movement has an important influence on the flow behavior of a powder. It can be changed e.g. by adding flow agents.

NEW: programmable heated measurement chamber (max. 250°C)

