

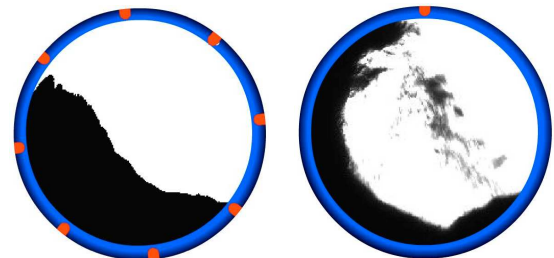
# Revolution Powder Analyzer: Measurement of the flow behavior of powders



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

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

**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 with the assistance of backlight illumination takes digital images of the powder flow. While collecting the images, the software calculates various parameters representing the powder's quality and processability.



## Measures:

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

## Application examples:

- 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)
- Food, Chemicals, Pharma, Cement..

## Technical data:

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

