

High Speed and High Throughput Surface Area Analyzer



The **AutoFlow BET+™** is a fully automated, state-of-the-art dynamic flow system designed to enable an extremely rapid evaluation of the surface areas of solid samples. Single-point or multi-point determination of surface areas using different standard methods (such as BET and STSA) is easily carried out without the need for measuring system void volumes or recalibrating signal responses. The instrument consists of one control module and one, two, or three independent analysis stations. The control module features a touchscreen and houses three built-in sample preparation stations. Pure gas inputs (nitrogen or krypton as adsorbates and helium as carrier) or, optionally, premixed gases, are automatically mixed to the desired target concentrations using built-in mass flow controllers. The system includes novel MEMS-TCD sensors and all standard accessories needed for its operation.

Key Features:

Exceptional Speed

- Single point BET areas in < 5 min/sample.
- Multipoint BET areas in < 15 min/sample.
- No need for pre- or post-calibration.

Superior Throughput

- Up to 3 single point BET areas in < 5 min.
- Up to 3 multipoint BET areas in < 15 min.
- Up to 36 BET area analyses per hour.

Widest Analytical Range

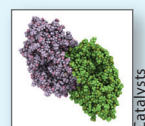
- Surface areas between 0.1 and >3,000 m²/g.
- Surface areas as low as 0.05 m² in cell with Kr.
- Isotherm data between 0.005 and 0.95 P/Po.

Built-in Sample Preparation

- 3 independently programmable degassers.
- Maximum degas temp. 350°C (450°C optional).
- Adjustable flows and fast-cooling slots.

Software Capabilities

- Highly intuitive click-and-start operation.
- Ethernet and remote access.
- Supports 21 CFR Part 11 compliance.



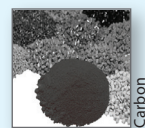
Catalysts



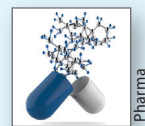
Ceramics



Energy



Carbon



Pharma