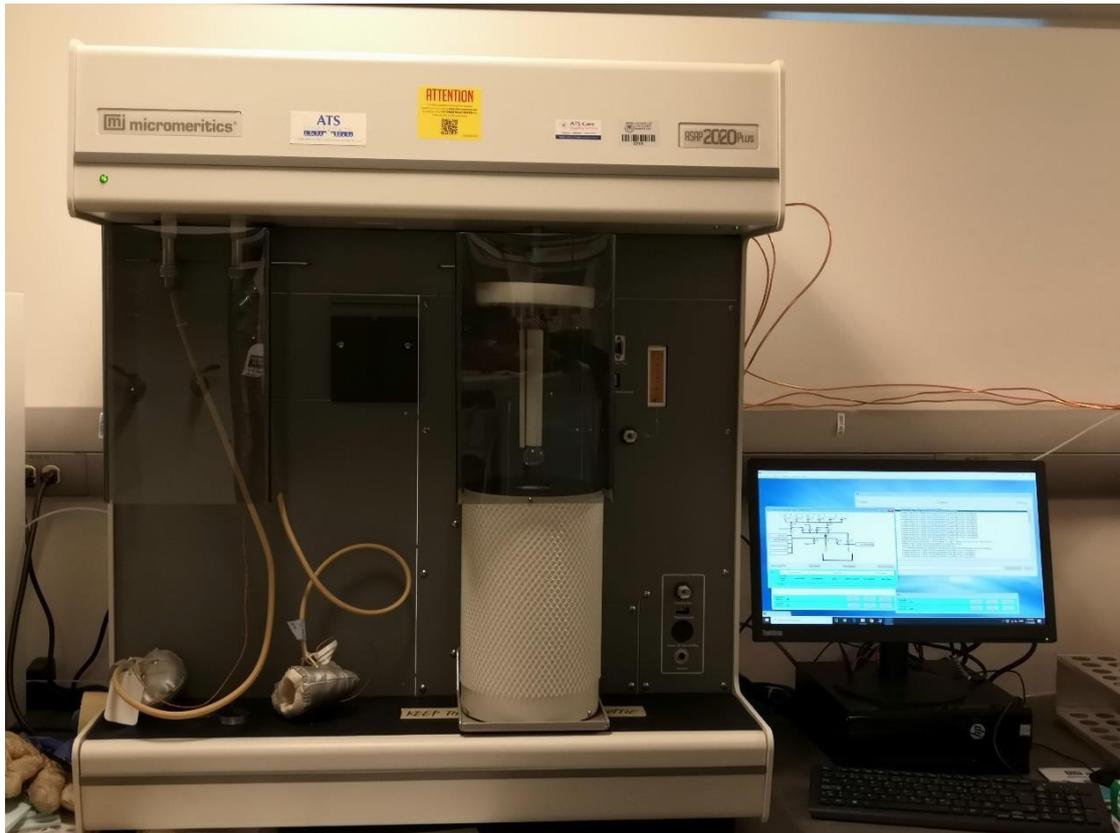


Micromeritics ASAP 2020 Plus Surface Area and Porosimeter System

Description: The fully automated Micromeritics Surface Area and Porosimeter System (ASAP 2020 Plus) is used to determine specific surface area, porosity and pore size distribution from 3.5 to 5000 Angstroms. This instrument can meet a wide variety of applications for mesopore, micropore, and low surface area applications.



Description:

The Accelerated Surface Area and Porosimeter System (ASAP 2020 Plus) integrates a variety of automated gas sorption techniques into a single, but powerful, bench top instrument. The system is designed to provide high-quality surface area, porosity, and physisorption isotherm data.

- Programmable two-station degas system for automated SOP sample preparation
- A dedicated P° sensor allows for a faster analysis and provides P° values at the same conditions as the adsorption measurement.
- Six analysis gas inlets with dedicated vapor and helium free-space ports provide greater flexibility and automated selection of pretreatment, backfill, and analysis gases.
- Proven Isothermal Jacket Cold Zone Control provides accurate, reproducible temperature maintenance.
- Long duration and refillable Dewar provides virtually unlimited time-of-analysis capability.

- Standard, independent dual vacuum systems (one for analysis, one for sample pretreatment). Also available is an optional, oil-free system.
- Proprietary transducer system provides unequalled stability, fast response, and low hysteresis for improved accuracy and signal to noise improvement.

By using the software supplied by Micromeritics, following results could be achieved with high accuracy: Single-point BET surface area, Multi-point BET surface area, Adsorption isotherms, Desorption isotherms, Langmuir surface area, BJH Mesopore volume, BJH Mesopore area, Total pore volume, deBoer t-Plot & others, MP-method, Micropore volume, Micropore surface area, Micropore Size Distribution, etc.

Charging Standard (Per sample): \$150 (Internal) \$300 (External academic) \$400 (Industry user)

Current Situation: It's in good condition for service.

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