

# PRODUCT UPDATE

## INSTRUMENTS FOR PARTICLE & POROUS MATERIALS CHARACTERIZATION



### Quadratorb™-SI

Versatile, four-port surface area and pore size analyzer. Operates in both patented helium-free and classical modes, even at the same time on different ports! Sample independence assured by individual transducers and coolant baths, unique analysis types and even different start-times. Optional micropore range possible by virtue of patented high-vacuum system and precision low-pressure transducer. Very low surface area materials accommodated with krypton-enabled option. A range of accessory sample preparation units match individual lab needs.



### PoreMaster®/PoreMaster® GT

Automatic pore size and pore volume distribution analyzers using the rapid mercury intrusion method. Pore size range measured safely and quietly from approximately 900  $\mu\text{m}$  diameter to less than 3.5nm in the 60,000 psi capable units, 6.5nm in the 33,000 psi models. Both versions have two, built-in low pressure analysis ports (for pore sizes above 4  $\mu\text{m}$ ) which also automatically evacuate and correctly fill sample cells with mercury. The high pressure cavity, used for pore sizes smaller than 4  $\mu\text{m}$ , accommodates one sample cell in the standard unit, and two cells in the GT model for greater throughput. The Windows® compatible software features calculations of additional textural parameters, not just pore size. PoreMasters can also be used to determine the crush strength of hollow glass microspheres and for water intrusion studies on hydrophobic materials.



### Nova® e Series

High speed surface area and pore size analyzers for quality control and research. Meets different throughput needs with single or multi-port (two, three or four sample stations) models. Flexible operation: can be run as stand-alone or PC-based. High-security PC version (21 CFR part 11) is also available. NOVA's small footprint even includes built-in sample preparation stations! Patented technology uses no helium.

### Ultrapycnometer™/Micro-Ultrapycnometer™

Single station, automatic gas pycnometers for volume and density measurement of porous solids and powders. Ultrapycnometer up to 135  $\text{cm}^3$  sample volume, Micro-Ultrapycnometer down to 0.1  $\text{cm}^3$ . Straightforward keypad/menu operation includes full alphanumeric entry of sample ID etc. Same standard features as the Pentapycnometer. Additional vacuum purge option reduces consumption of analysis gas. "Remote-control" version features separate analyzer and control modules for glovebox and extreme temperature environment applications.

QUANTACHROME