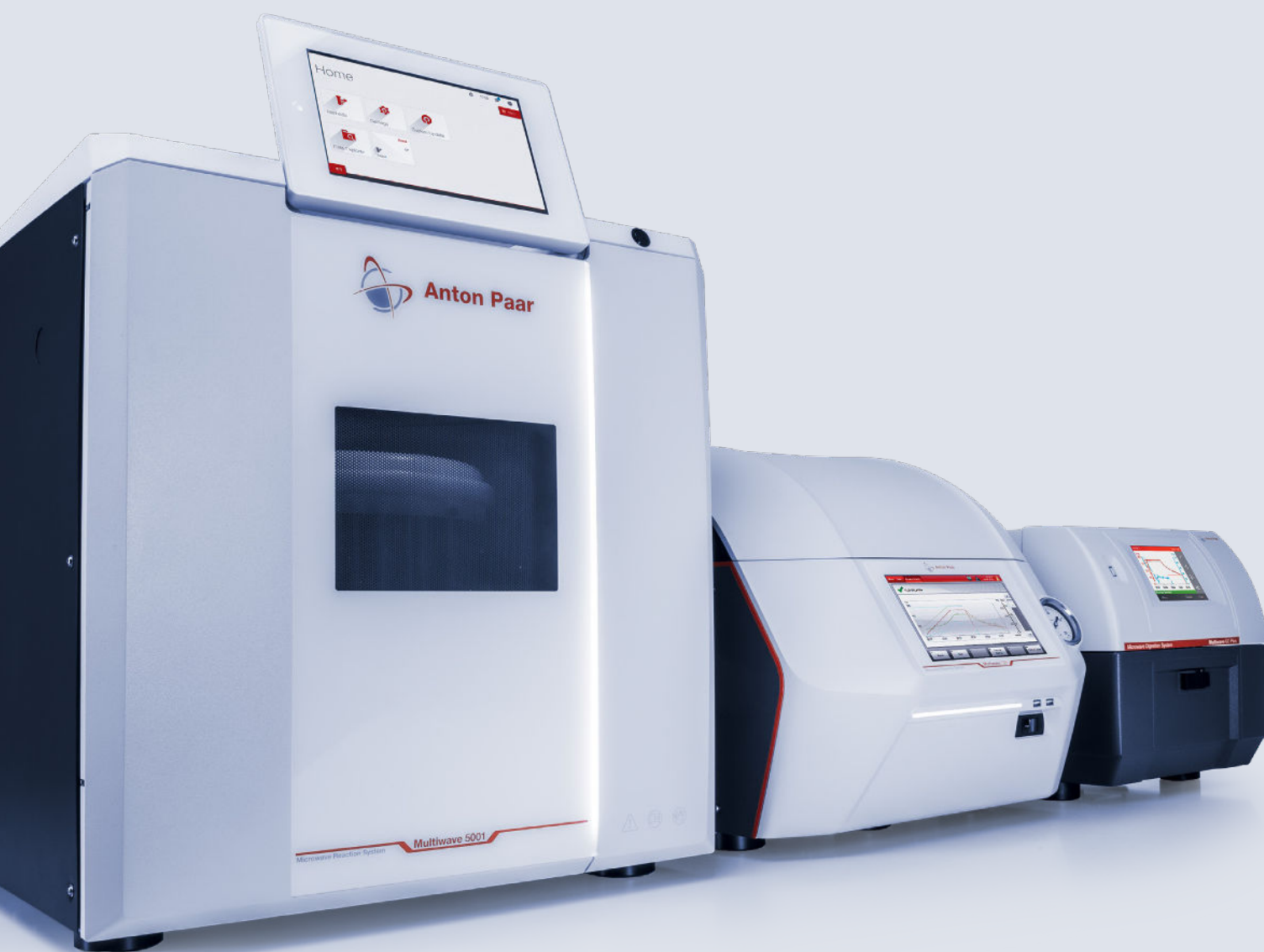


Solutions for Chemists

Sample Preparation



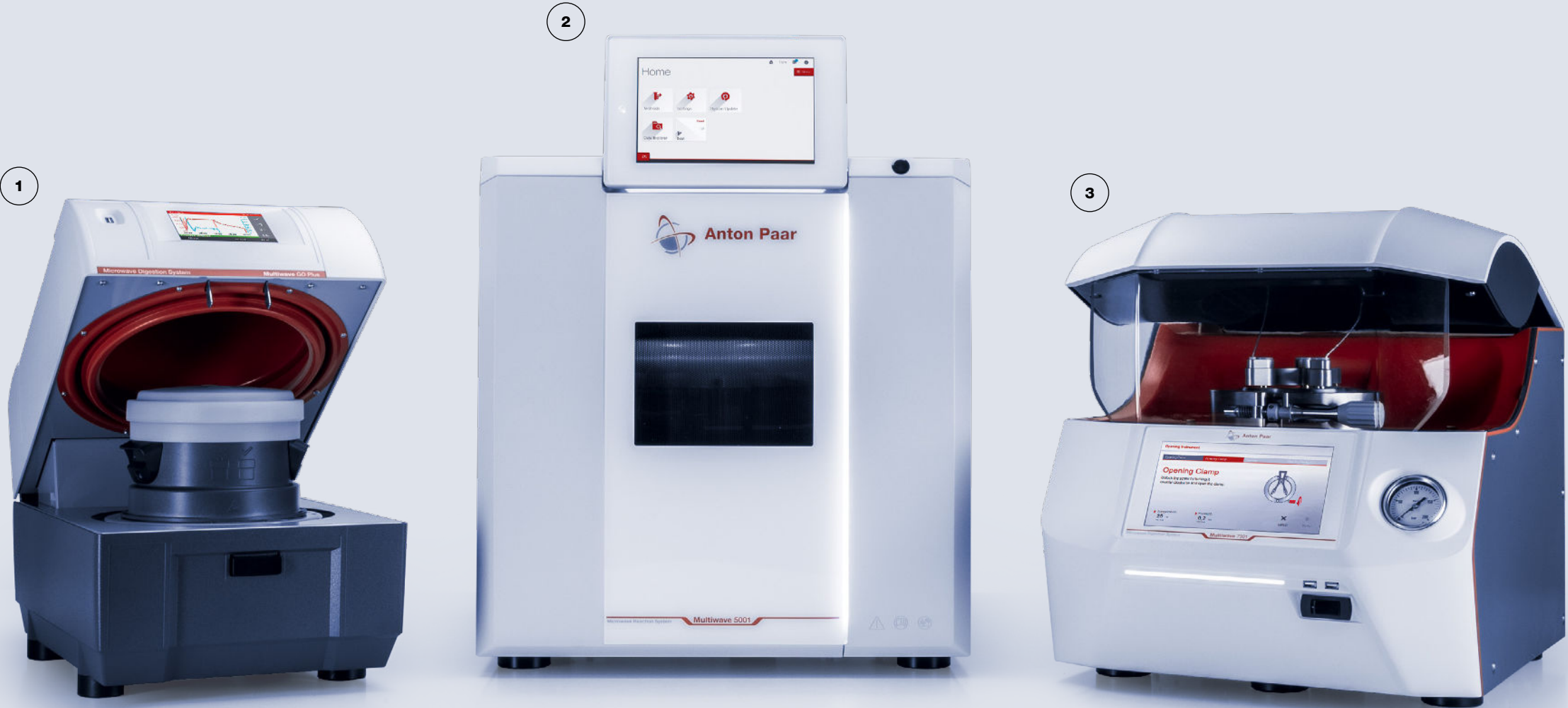
Best-In-Class Sample Preparation

Superior trace elemental analysis begins with outstanding sample preparation. Our microwave solutions are based on more than 50 years of sample preparation experience. The instrument range covers all applications.

FIND OUT MORE



www.anton-paar.com/apb-microwave-digestion



1

Multiwave GO Plus: Ready, steady, go!

Multiwave GO Plus is the world’s smallest, most economic microwave for digestion. It combines the best of two technologies: the fast heating of a monomode reactor, and the capacity to heat up multiple samples like a multimode system due to its patented (EP2854478 B) Directed Multimode Cavity (DMC).

Benefits

- ✓ Automatic adaption of the microwave field to the number of filled or empty positions
- ✓ Sample cooling in less than eight minutes for a fully loaded 12-position rotor, e.g. for EPA methods.
- ✓ Unique pressure-release vessels (SmartVent technology) consisting of only three parts

2

Multiwave 3001 and Multiwave 5001: One system, endless possibilities

Multiwave 5001 is designed for acid digestion and acid leaching of samples with varying difficulty or volume, as well as applications such as evaporation, microwave-induced oxygen combustion, and extraction. Adapt the system according to your needs thanks to the broad portfolio of rotors and accessories. Multiwave 3001 is your versatile, economic option for most microwave digestion applications. Multiwave 5001 can be integrated into Anton Paar’s lab execution software AP Connect. The system also has certified safety features.

Benefits

- ✓ Comprehensive method library with full-text search
- ✓ Customizable and intuitive user interface
- ✓ Unique hands-free door opener
- ✓ For the highest throughput to boost your productivity

3

Multiwave 7101, Multiwave 7301, and Multiwave 7501: Demanding samples, easy digestion

Multiwave 7101/7301/7501 offer complete digestion for all kinds of samples in a single run, using the same method. The pressurized digestion cavity (PDC) for temperatures up to 300 °C and pressures up to 199 bar will optimize your sample preparation workflow.

Benefits

- ✓ Budget-friendly, pressure-sealed vials with plug-on caps
- ✓ Different volumes and racks with up to 41 positions to maximize sample throughput
- ✓ Compact design with integrated cooling system to minimize cooling time
- ✓ Ready-to-use methods and customized application support

	Multiwave GO Plus	Multiwave 5001 and Multiwave 3001	Multiwave 7101/7301/7501
Technology	↓ Directed Multimode Cavity (DMC)	↓ Multimode Cavity	↓ Pressurized Digestion Cavity (PDC)
Convenience and ease of use	Easy and simple user interface	Intuitive user interface with full-text database search and software guidance	Software guides you through the whole digestion process
Throughput	Medium – 12 samples in less than 20 minutes	Highest sample throughput for routine samples (41 positions) and demanding samples (20 positions)	High – up to 41 samples in a single run
Portfolio	Rotor 12HVT50 (PTFE-TFM)	Unrivald portfolio with wide selection of rotors, vessels, and accessories	Different racks, vials, and vessels available (disposable glass, quartz, and PTFE-TFM)
Temperature range	Up to 250 °C	Up to 300 °C	Up to 300 °C
Applications	Acid digestion Acid leaching	Acid digestion Acid leaching Evaporation* Sample drying* Oxygen combustion* Solvent extraction* Synthesis*	Acid digestion Acid leaching
Samples	Wide range of routine samples – especially food and environmental material	All kinds of organic and inorganic samples (depending on rotor), microsamples	All kinds of organic and inorganic samples

*Multiwave 5001

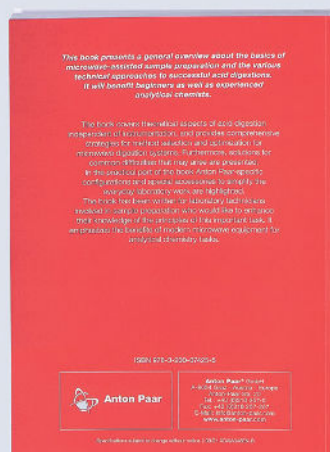
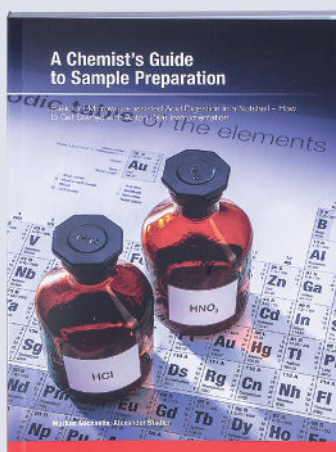
Expert Advice

“A Chemist’s Guide to Sample Preparation” covers the basics and benefits of, as well as technical approaches to, successful acid digestions, with troubleshooting tips. The practical section presents our solutions for a streamlined laboratory workflow.

FIND OUT MORE



www.anton-paar.com/apb-chemists-guide



**Reliable.
Compliant.
Qualified.**

Our well-trained and certified technicians are ready to keep your instrument running smoothly.



