

# XT-9910 Microwave Digestion System



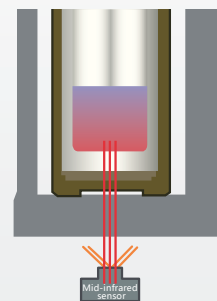
Microwave digestion, as an efficient sample pretreatment method, can well maintain the integrity of the sample during analysis and detection, assuring a high sample recovery rate.

XT-9910 Microwave Digestion System is forged through the technological accumulation of mid-infrared temperature control of microwave over the past decade. It is a microwave digestion system applicable for laboratories and various circumstances, with multiple safety protections and a wide range of applications.



## Specialized for small batch processing

- 01 Able to process up to 6 high pressure samples at the same time
- 02 High strength safety explosion-proof door, side door opening
- 03 Mid-infrared non-contact temperature sensor, real-time scanning and monitoring of the actual temperature of all sample solutions



- Mid-infrared wavelength light capable of penetrating the vessels
- Other wavelengths of light radiated from the surface of vessels

## Safe and Convenient

- When the pressure in the cavity is too large, the door will be closed only after the pressure is released appropriately through floating
- Both mechanical and electronic door lock are equipped to give equal consideration to safety and convenience
- Load or unload samples one by one without the need of moving the rotor
- Up to 10 active and passive safety protection functions
- The inner surface of furnace cavity is coated with multi-layer PFA corrosion resistant coating, while the whole unit is welded by laser



Digestion vessel

## Smart Control

- Built-in touch screen control, various working parameters and status shown on screen in real time (temperature, pressure changes, etc.)
- More than 250 digestion method parameters can be set, modified and stored at any time
- With built-in functions like multi-level user interface management, power correction, temperature calibration and history recording

## Temperature Monitoring

- Utilize specific mid-infrared non-contact temperature sensor capable of penetrating TFM material to scan and monitor the actual temperature of all sample solutions in real time and display the temperature change curve

## Application

- It is applicable for fields such as food, environmental monitoring, agricultural products, drugs, cosmetics, textiles, geology, metallurgy, plastics, coal, petrochemical, biological medicine and battery manufacturing



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